



# **FSVeg**

## **DATA DICTIONARY**

### **SECTION I: DATA TABLES**

**February 2014**

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# DEFINITIONS

The following are definitions of terms used throughout the sections in this document:

|                          |                                                                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Code Tables</b>       | Oracle tables that contain valid codes for a specific column in the data tables. All of the tables in Section II are code tables.                                                                                     |
| <b>Data Tables</b>       | Oracle tables that contain field sampled data. All of the tables in Section I are data tables.                                                                                                                        |
| <b>Data Elements</b>     | Columns within a data table.                                                                                                                                                                                          |
| <b>Size</b>              | The size of each column.                                                                                                                                                                                              |
| <b>VC</b>                | The Oracle column type of Varchar2. Varchar2 is an alphanumeric field that may contain numbers and characters up to the maximum size.                                                                                 |
| <b>N</b>                 | The Oracle column type of Number. Number columns cannot contain alpha characters. A number column may contain numbers up to the maximum size.                                                                         |
| <b>Date</b>              | The Oracle column type of DATE. This column may only contain dates i.e. 24-JUN-1997.                                                                                                                                  |
| <b>CN</b>                | ORACLE sequence generated number used as a primary key in some tables.                                                                                                                                                |
| <b>Primary Key</b>       | Columns that contain a unique identifier for each row of data in a table. The primary key can be used to join tables.                                                                                                 |
| <b>Foreign Key</b>       | Columns that contain the primary keys from related tables. When two tables are related, the primary key of the first table becomes the foreign key of the second table (depending on the relationship of the tables). |
| <b>Setting</b>           | Any area (stand, location, site, plot) that is considered an aggregation of individual items (trees, plants, shrubs, plots) being measured.                                                                           |
| <b>Check Constraints</b> | A list of valid codes for a column. If a column has check constraints, code tables are not used.                                                                                                                      |

## NRV\_AERIAL\_PHOTOS

This table contains columns describing aerial photos. It is used to document the photograph on which the stand, setting, or other sample area is delineated.

| Name                                   | Size            | Description                                                                                                                                                                                                                                                                                                              |      |             |     |    |                 |     |    |       |     |    |                |     |
|----------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-----------------|-----|----|-------|-----|----|----------------|-----|
| CN<br><i>Required</i>                  | VC(34)          | A system generated sequence number that uniquely identifies each row of data in this table.                                                                                                                                                                                                                              |      |             |     |    |                 |     |    |       |     |    |                |     |
| CREATED_BY<br><i>Required</i>          | VC(30)          | The name of the person who created the record.                                                                                                                                                                                                                                                                           |      |             |     |    |                 |     |    |       |     |    |                |     |
| CREATED_DATE<br><i>Required</i>        | DATE            | The date the record was created.                                                                                                                                                                                                                                                                                         |      |             |     |    |                 |     |    |       |     |    |                |     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)            | The database ID where the record was created.                                                                                                                                                                                                                                                                            |      |             |     |    |                 |     |    |       |     |    |                |     |
| PHOTO_ID<br><i>Required</i>            | VC(20)          | A unique ID for each photo, defined within a photo project.                                                                                                                                                                                                                                                              |      |             |     |    |                 |     |    |       |     |    |                |     |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)          | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                     |      |             |     |    |                 |     |    |       |     |    |                |     |
| FLIGHT_LINE                            | VC(5)           | The flight line number on which a photo was taken.                                                                                                                                                                                                                                                                       |      |             |     |    |                 |     |    |       |     |    |                |     |
| MODIFIED_BY                            | VC(30)          | The name of the person who modified the record.                                                                                                                                                                                                                                                                          |      |             |     |    |                 |     |    |       |     |    |                |     |
| MODIFIED_DATE                          | DATE            | The date the record was modified.                                                                                                                                                                                                                                                                                        |      |             |     |    |                 |     |    |       |     |    |                |     |
| MODIFIED_IN_INSTANCE                   | N(6)            | The database ID where the record was modified.                                                                                                                                                                                                                                                                           |      |             |     |    |                 |     |    |       |     |    |                |     |
| PHOTO_EXPOSURE                         | VC(4)           | The number on the film that represents a specific photo.                                                                                                                                                                                                                                                                 |      |             |     |    |                 |     |    |       |     |    |                |     |
| PHOTO_PROJECT                          | VC(255)         | The name of a specific photo or set of photos.                                                                                                                                                                                                                                                                           |      |             |     |    |                 |     |    |       |     |    |                |     |
| PHOTO_ROLL                             | VC(10)          | The ID of a roll of film a photo belongs to.                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |    |       |     |    |                |     |
| PHOTO_SCALE                            | VC(20)          | The proportion used to determine the relationship of a photo to the landscape. A common photo scale is 1:2500.                                                                                                                                                                                                           |      |             |     |    |                 |     |    |       |     |    |                |     |
| PHOTO_TYPE                             | VC(4)           | <div> The type of photo. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>BW</td><td>Black and white</td><td>CSE</td></tr> <tr> <td>CO</td><td>Color</td><td>CSE</td></tr> <tr> <td>CI</td><td>Color infrared</td><td>CSE</td></tr> </tbody> </table> </div> | Code | Description | Use | BW | Black and white | CSE | CO | Color | CSE | CI | Color infrared | CSE |
| Code                                   | Description     | Use                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                 |     |    |       |     |    |                |     |
| BW                                     | Black and white | CSE                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                 |     |    |       |     |    |                |     |
| CO                                     | Color           | CSE                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                 |     |    |       |     |    |                |     |
| CI                                     | Color infrared  | CSE                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                 |     |    |       |     |    |                |     |
| PHOTO_YEAR                             | VC(4)           | The year the photo was taken.                                                                                                                                                                                                                                                                                            |      |             |     |    |                 |     |    |       |     |    |                |     |
| ROW_ACCESS_CODE                        | VC(6)           | Control field to support row level access.                                                                                                                                                                                                                                                                               |      |             |     |    |                 |     |    |       |     |    |                |     |

## NRV\_CHARACTERIZATIONS

This table contains columns describing polygon attribute summary data.

| Name                          | Size   | Description                                                                          |
|-------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>         | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| CREATED_BY<br><i>Required</i> | VC(30) | The name of the person who created the record.                                       |

**NRV\_CHARACTERIZATIONS (cont.)**

| <b>Name</b>                            | <b>Size</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CREATED_DATE<br><i>Required</i>        | DATE        | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)        | The database server ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DATA_METHOD<br><i>Required</i>         | VC(30)      | Nrv_cn_temp.source_method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DATA_SOURCE<br><i>Required</i>         | VC(30)      | Nrv_cn_temp.source_type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SETTING_ID<br><i>Required</i>          | VC(30)      | Nrv_setting_measurements.setting_id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUMMARY_NO<br><i>Required</i>          | VC(10)      | Nrv_controls.summary_no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| AGENCY                                 | VC(4)       | Governing agency or the agency that owns the land the setting is located on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| AGGREGATION_TYPE                       | VC(1)       | Nrv_perm_char.aggregation_type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ANN_INCR_MEAN                          | N(8,4)      | Nrv_perm_char.annual_inc_mean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ANN_INCR_PER                           | N(8,4)      | Periodic annual increment. Volume of tree growth, in cubic foot volume per acre, over a period divided into the number of years in the period.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ANN_INCR_PER_LN                        | N(3)        | Always set to "1"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ASPECT                                 | N(3)        | Nrv_setting_measurements.aspect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASAL_AREA                             | N(8,4)      | <p><b>Computed.</b> Basal area per acre, in square feet, for live trees</p> <pre> SELECT DISTINCT plot FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn; SELECT COUNT(DISTINCT plot) INTO pnum FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn; LOOP FETCH C_PLOT INTO point; SELECT SUM(plot_ba_eq) INTO tsum FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn AND plot = point AND live_dead = 'L' AND (dbh &gt;= dia OR drc &gt;= dia) AND off_plot_flag IS NULL; ssum := ssum + tsum; psum := psum + (tsum*tsum); END LOOP; sdba := ROUND(SQRT((psum - ((ssum * ssum) /pnum)) / (pnum - 1)),3); </pre> |
| BASAL_AREA_CV                          | N(13,4)     | <p><b>Computed.</b> Basal area coefficient of variation, for live trees</p> <p><math display="block">=(v\_basal\_area\_sd * 100) / basal\_area</math></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name                    | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BASAL_AREA_SD           | N(13,4) | <b>Computed.</b> Basal area standard deviation, for live trees<br><br>SELECT DISTINCT plot<br>FROM NRV_Stid_Summary_Base_Temp<br>WHERE cn = stand_cn;<br>SELECT COUNT(DISTINCT plot) INTO pnum<br>FROM NRV_Stid_Summary_Base_Temp<br>WHERE cn = stand_cn;<br>LOOP<br>FETCH C_PLOT INTO point;<br>SELECT SUM(plot_ba_eq) INTO tsum<br>FROM NRV_Stid_Summary_Base_Temp<br>WHERE cn = stand_cn AND plot = point<br>AND live_dead = 'L'<br>AND (dbh >= dia OR drc >= dia)<br>AND off_plot_flag IS NULL;<br>ssum := ssum + tsum;<br>psum := psum + (tsum*tsum);<br>END LOOP;<br>sdba := ROUND(SQRT((psum - ((ssum * ssum)<br>/pnum)) / (pnum - 1)),3); |
| BASAL_AREA_SE           | N(7,4)  | <b>Computed.</b> Basal area standard error<br><br>SELECT COUNT(DISTINCT plot) into v_pnum<br>FROM NRV_stid_summary_base_temp<br>WHERE cn = p_stand_cn;<br>v_std_error := p_basal_area / sqrt(v_pnum);                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BOUNDARY_SOURCE         | VC(30)  | Nrv_perm_char.boundary_source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CANOPY_BULK_DENSITY     | N(3)    | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CANOPY_CLOSURE          | N(3)    | Nrv_setting_measurements.canopy_closure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CANOPY_CLOSURE_CROWNVEG | N(3)    | Amount, in percent, of the polygon covered by the foliage of crown vegetation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CANOPY_CLOSURE_GRASSES  | N(3)    | Amount, in percent, of the polygon covered by the foliage of grasses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CANOPY_CLOSURE_HERBS    | N(3)    | Nrv_perm_char.canopy_closure_herbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CANOPY_CLOSURE_NON_TREE | N(3)    | Nrv_perm_char.canopy_closure_non_tree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CANOPY_CLOSURE_SHRUBS   | N(3)    | Nrv_perm_char.canopy_closure_shrubs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CANOPY_CLOSURE_TREES    | N(3)    | Nrv_setting_measurements.canopy_closure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CANOPY_COVER            | N(4,1)  | Nrv_perm_char.canopy_cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CAPABLE_GROW_AREA_PCT   | N(3)    | Nrv_setting_measurement.capable_grow_area_pct                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| COMPARTMENT_NO          | VC(10)  | Nrv_setting_measurements.compartment_no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CONDITION_CLASS         | VC(15)  | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| COUNTY                  | VC(3)   | Nrv_setting_measurements.county                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| COVER_BARE_SOIL         | N(3)    | Nrv_cover_measurements.cover_bare_soil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| COVER_BARREN            | N(3)    | Nrv_perm_char.cover_barren                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| COVER_BASAL_VEG         | N(3)    | Nrv_perm_char.cover_basal_veg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| COVER_BOULDER           | N(3)    | Nrv_perm_char.cover_boulder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| COVER_COBBLE            | N(3)    | Nrv_perm_char.cover_cobble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| COVER_DOMINANT          | VC(2)   | Nrv_perm_char.cover_dominant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name                | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COVER_GRAVEL        | N(3)    | Nrv_perm_char.cover_gravel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| COVER_LITTER        | N(3)    | Nrv_perm_char.cover_litter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| COVER_NON_VEG       | N(3)    | Nrv_perm_char.cover_non_veg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| COVER_ROCK          | N(3)    | Nrv_perm_char.cover_rock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| COVER_STONE         | N(3)    | Nrv_perm_char.cover_stone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| COVER_WATER         | N(3)    | Nrv_perm_char.cover_water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CROWN_BASE_HEIGHT   | N(3)    | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CROWN_CONDITION     | VC(1)   | Nrv_perm_char.crown_condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CROWN_CONDITION_REF | VC(30)  | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CROWN_FIRE          | VC(2)   | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CROWNING_INDEX      | N(3)    | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CUBIC_CULL          | N(11,4) | Nrv_perm_char.cubic_cull                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CURRENT_FLAG        | VC(1)   | Nrv_cover_id_control.current_flag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DATE_ACCURACY       | VC(5)   | Nrv_setting_measurements.date_accuracy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DBH                 | N(5,2)  | <p><b>Computed.</b> Quadratic mean diameter, in inches, at breast height, or the diameter, in inches, of the tree at breast height, of average basal area.</p> <pre> SELECT SUM(stand_tpa_eq), SUM(dbh*dbh*stand_tpa_eq) FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn AND dbh &gt;= dia AND dbh IS NOT NULL AND live_dead = 'L' AND off_plot_flag IS NULL; CURSOR C_qmd2 IS SELECT SUM(stand_tpa_eq), SUM(drc*drc*stand_tpa_eq) FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn AND drc &gt;= dia AND drc IS NOT NULL AND live_dead = 'L' AND off_plot_flag IS NULL; FETCH C_qmd1 INTO dhtsum, dh2tsum; FETCH C_qmd2 INTO drtsum, dr2tsum; qmd:=SQRT((dh2tsum+dr2tsum)/(dhtsum+drtsum)); </pre> |
| DBH_BREAKPOINT      | N(5,2)  | Nrv_perm_char.dbh_breakpoint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DBH_TYPE            | VC(4)   | The value the user chose for calculating diameter in the summary application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name                     | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DENSITY_INDEX            | N(7,2)  | <b>Computed.</b> Stand density index.<br><br>SELECT sum(power(sqrt(p_gmin_x)/10,1.605)*<br>decode(dbh,NULL,decode(drc,NULL,NULL,1)<br>,0,NULL,1)*<br>decode(live_dead,'L',stand_tpa_eq,NULL)*<br>(1+(1.605/2) *<br>(decode(dbh,NULL,decode(drc,NULL,NULL,1),0,NULL,<br>1) *<br>decode(live_dead,'L',decode(dbh,NULL,drc,dbh)*<br>decode(dbh,NULL,drc,dbh),NULL)/<br>decode(p_gmin_x,0,NULL,p_gmin_x)-1)))<br>INTO v_den_ind<br>FROM NRV_Stid_Summary_Base_Temp<br>WHERE cn = p_stand_cn<br>AND (drc >= p_gmin OR dbh >= p_gmin)<br>AND off_plot_flag IS NULL AND live_dead='L' |
| DENSITY_INDEX_REF        | VC(30)  | Nrv_perm_char.density_index_ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DENSITY_INDEX_TYPE       | VC(30)  | Set to "QMD."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DISTRICT_NO              | VC(2)   | Nrv_setting_measurements.district_no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DOWN_WOODY               | N(10,4) | Nrv_perm_char.down_woody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DUFF_LITTER_DEPTH        | N(6,3)  | Nrv_perm_char.duff_litter_depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ECOREGION_SUBSECTION     | VC(7)   | Nrv_setting_measurements.ecoregion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ELEVATION                | N(6,1)  | Nrv_setting_measurements.elevation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ELEVATION_MAX            | N(6,1)  | Nrv_setting_measurements.elevation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ELEVATION_MIN            | N(6,1)  | Nrv_setting_measurements.elevation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| EV_CODE                  | VC(10)  | Nrv_setting_measurements.ev_code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EV_REF_CODE              | VC(10)  | Nrv_setting_measurements.ev_ref_code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| FIRE_REGIME              | N(1)    | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| FORAGE                   | N(4)    | Nrv_perm_char.forage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| FOREST_ADMIN             | VC(2)   | Nrv_setting_measurements.forest_admin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| FOREST_PROC              | VC(2)   | Nrv_setting_measurements.forest_proc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| FUEL_DEPTH               | N(3,1)  | Nrv_perm_char.fuel_depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| FUEL_MODEL               | VC(3)   | Nrv_setting_measurements.fuel_model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| FUEL_PHOTO_REFERENCE     | VC(10)  | Nrv_setting_measurements.fuel_photo_reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GIS_LINK                 | VC(26)  | Nrv_setting_measurements.gis_link                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| HAB_STRUCT_STAGE_CODE    | VC(50)  | Nrv_vss.vss output (only used for Regions 2, 3, & 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HAB_STRUCT_STAGE_REF     | VC(30)  | Region code in the format 'R02,' 'R03,' 'R04' (only used for Regions 2, 3, & 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HABITAT_EFFECT_INDEX     | VC(1)   | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HAZ_RATING               | VC(1)   | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HORIZONTAL_CONTINUITY    | VC(1)   | Nrv_perm_char.horizontal_continuity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| INVENTORY_STRATIFICATION | VC(10)  | Nrv_perm_char.inventory_stratification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LANDFORM                 | VC(2)   | Nrv_perm_char.landform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LATITUDE_DEG             | N(3)    | Nrv_setting_measurements.latitude_deg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LATITUDE_MIN             | N(2)    | Nrv_setting_measurements.latitude_min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LATITUDE_SEC             | N(4,2)  | Nrv_setting_measurements.latitude_sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name                              | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOADER_VERSION                    | VC(15)  | The version of the loader program used to load the data into the perm summary tables.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| LOCAL_AT1_DESCRIPTION             | VC(80)  | Nrv_perm_char.local_at1_description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LOCAL_AT2_DESCRIPTION             | VC(80)  | Nrv_perm_char.local_at2_description.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOCAL_AT3_DESCRIPTION             | VC(80)  | Nrv_perm_char.local_at3_description.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOCAL_AT4_DESCRIPTION             | VC(80)  | Nrv_perm_char.local_at4_description.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOCAL_AT5_DESCRIPTION             | VC(80)  | Nrv_perm_char.local_at5_description.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOCALLY_DEFINED_AT1               | VC(30)  | Nrv_perm_char.locally_defined.at1                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LOCALLY_DEFINED_AT2               | VC(30)  | Nrv_perm_char.locally_defined.at2                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LOCALLY_DEFINED_AT3               | VC(30)  | Nrv_perm_char.locally_defined.at3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LOCALLY_DEFINED_AT4               | VC(30)  | Nrv_perm_char.locally_defined.at4                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LOCALLY_DEFINED_AT5               | VC(30)  | Nrv_perm_char.locally_defined.at5                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LOCATION                          | VC(16)  | Nrv_setting_measurements.location                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LONGITUDE_DEG                     | N(3)    | Nrv_setting_measurements.longitude_deg                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| LONGITUDE_MIN                     | N(2)    | Nrv_setting_measurements.longitude_min                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| LONGITUDE_SEC                     | N(4,2)  | Nrv_setting_measurements.longitude_sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MANAGEMENT_PRODUCTIVITY           | VC(1)   | An indicator of the mean annual increment of stand growth.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANAGEMENT_TYPE_EV_CODE           | VC(50)  | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MANAGEMENT_TYPE_EV_REF            | VC(30)  | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MANAGEMENT_TYPE_SITE_INDEX        | N(4,1)  | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MANAGEMENT_TYPE_SI_REF<br>REFCODE | VC(3)   | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MANAGEMENT_TYPE_SI_SPECIES        | VC(8)   | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MEASUREMENT_DATE                  | DATE    | Nrv_setting_measurements.measurement_date                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MERCH_BOARD_GROSS                 | N(13,4) | <p><b>Computed.</b> Merchantable, gross board foot volume per acre. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4.</p> <pre> SELECT SUM(stand_tpa_eq * merch_board_volume) FROM NRV_std_summary_base_temp WHERE cn = stand_cn AND live_dead = 'L' AND (dbh &gt;= dia OR drc &gt;= dia) AND off_plot_flag IS NULL; </pre> |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name                 | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MERCH_BOARD_GROSS_SD | N(15,4) | <p><b>Computed.</b> Standard deviation of the merch_board_gross column. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4.</p> <pre> SELECT DISTINCT plot FROM NRV_std_summary_base_temp WHERE cn = stand_cn; SELECT COUNT(DISTINCT plot) INTO pnum FROM NRV_std_summary_base_temp WHERE cn = stand_cn; LOOP FETCH C_PLOT INTO point; SELECT SUM(plot_tpa_eq * board_volume) INTO tsum FROM NRV_std_summary_base_temp WHERE cn = stand_cn AND plot = point AND live_dead = 'L' AND (dbh &gt;= dia OR drc &gt;= dia) AND off_plot_flag IS NULL; ssum := ssum + tsum; psum := psum + (tsum*tsum); END LOOP; sdbvol := ROUND(SQRT((psum - ((ssum * ssum) /pnum)) / (pnum - 1)),3); </pre> |
| MERCH_BOARD_GROSS_SE | N(7,4)  | <p><b>Computed.</b> Standard error of the merch_board_gross column. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4.</p> <pre> SELECT COUNT(DISTINCT plot) into v_pnum FROM NRV_std_summary_base_temp WHERE cn = p_stand_cn; v_std_error := p_sdtpa / sqrt(v_pnum); </pre>                                                                                                                                                                                                                                                                                                                                                                                                           |
| MERCH_BOARD_NET      | N(13,4) | Nrv_perm_char.merch_board_net                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MERCH_BOARD_NET_SD   | N(15,4) | Nrv_perm_char.merch_board_net_sd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MERCH_BOARD_NET_SE   | N(7,4)  | Nrv_perm_char.merch_board_net_se                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MERCH_CUBIC_GROSS    | N(11,4) | <p><b>Computed.</b> Merchantable, gross cubic foot volume per acre. For Region 9, this is the cubic foot volume in the sawlog portion of sawtimber trees. It does not include the topwood volume. It does not include pulpwood tree volume.</p> <pre> SELECT SUM(stand_tpa_eq * merch_cubic_volume) FROM NRV_std_summary_base_temp WHERE cn = stand_cn AND live_dead = 'L' AND (dbh &gt;= dia OR drc &gt;= dia) AND off_plot_flag IS NULL; </pre>                                                                                                                                                                                                                                                                                                                                                                                                                  |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name                 | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MERCH_CUBIC_GROSS_SD | N(13,4) | <p><b>Computed.</b> Standard deviation of the merch_cubic_gross column.</p> <pre> SELECT DISTINCT plot FROM NRV_stid_summary_base_temp WHERE cn = stand_cn; SELECT COUNT(DISTINCT plot) INTO pnum FROM NRV_stid_summary_base_temp WHERE cn = stand_cn; LOOP FETCH C_PLOT INTO point; SELECT SUM(plot_tpa_eq * cubic_volume) INTO tsum FROM NRV_stid_summary_base_temp WHERE cn = stand_cn AND plot = point AND live_dead = 'L' AND (dbh &gt;= dia OR drc &gt;= dia) AND off_plot_flag IS NULL; ssum := ssum + tsum; psum := psum + (tsum*tsum); END LOOP; sdcvol := ROUND(SQRT((psum - ((ssum * ssum) /pnum)) / (pnum - 1)),3); </pre> |
| MERCH_CUBIC_GROSS_SE | N(7,4)  | <p><b>Computed.</b> Standard error of the merch_cubic_gross column.</p> <pre> SELECT COUNT(DISTINCT plot) into v_pnum FROM NRV_stid_summary_base_temp WHERE cn = p_stand_cn; v_std_error := p_sdtpa / sqrt(v_pnum); </pre>                                                                                                                                                                                                                                                                                                                                                                                                             |
| MERCH_CUBIC_NET      | N(11,4) | Nrv_perm_char.merch_cubic_net                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MERCH_CUBIC_NET_SD   | N(13,4) | Nrv_perm_char.merch_cubic_net_sd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MERCH_CUBIC_NET_SE   | N(7,4)  | Nrv_perm_char.merch_cubic_net_se                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MERIDIAN_CODE        | VC(2)   | Nrv_setting_measurements.meridian_code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MODIFIED_BY          | VC(30)  | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MODIFIED_DATE        | DATE    | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MODIFIED_IN_INSTANCE | N(6)    | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NFS_LAND_CLASS       | VC(3)   | Current land class used for NFS data. A classification that indicates the basic land cover.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PERM_CHAR_CN         | VC(34)  | Nrv_perm_char.cn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PHOTO_ID             | VC(20)  | Nrv_aerial_photos.photo_id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| POLYGON_COVERAGE_ID  | VC(30)  | Nrv_cover_id_control.polygon_cover_id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PRODUCTIVITY_CLASS   | VC(2)   | Nrv_perm_char.productivity_class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PROJECT_NAME         | VC(25)  | Nrv_characterizations.project_name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PURPOSE_CODE         | VC(4)   | Code that represents the reason for the survey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PV_CODE              | VC(10)  | Nrv_setting_measurements.pv_code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PV_REF_CODE          | VC(10)  | Nrv_setting_measurements.pv_ref_code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name                       | Size    | Description                                                                       |
|----------------------------|---------|-----------------------------------------------------------------------------------|
| RANGE_CONDITION            | VC(1)   | Nrv_perm_char.range_condition                                                     |
| RANGE_TREND                | VC(1)   | Nrv_perm_char.range_trend                                                         |
| REGEN_EV_CODE              | VC(10)  | Not used at this time                                                             |
| REGEN_EV_REF_CODE          | VC(10)  | Not used at this time                                                             |
| REFERENCE_DATE             | DATE    | Nrv_perm_char.reference_date                                                      |
| REFERENCE_DATE_ACCURACY    | VC(5)   | Nrv_perm_char.reference_date_accuracy                                             |
| REGION_ADMIN               | VC(2)   | Nrv_setting_measurements.region_admin                                             |
| REGION_PROC                | VC(2)   | Nrv_setting_measurementsr.region_proc                                             |
| REMARKS                    | VC(255) | Nrv_setting_measurements.remarks                                                  |
| RESIDUE_DESC_CODE          | VC(10)  | Document from which the fuel model was obtained or the residue description photo. |
| RIPARIAN_POLYGON           | VC(1)   | Not used at this time                                                             |
| SAF_COVER_TYPE             | VC(3)   | Nrv_setting_measurements.ev_code if cover type ref = "SAF"                        |
| SECTION                    | VC(2)   | Nrv_setting_measurements.pls_section                                              |
| SETMEAS_CN                 | VC(34)  | Nrv_setting_measurements.cn                                                       |
| SETTING_ORIGIN             | VC(2)   | Not used at this time                                                             |
| SETTING_SIZE               | N(8,4)  | Nrv_setting_measurements.setting_size                                             |
| SITE_INDEX                 | N(4,1)  | Nrv_perm_char.site_index                                                          |
| SITE_INDEX_REF             | VC(10)  | Nrv_perm_char.site_index_ref                                                      |
| SITE_INDEX_SPP             | VC(8)   | Nrv_perm_char.site_index_spp                                                      |
| SLOPE                      | N(3)    | Nrv_setting_measurements.slope                                                    |
| SLOPE_POSITION             | VC(2)   | Nrv_setting_measurements.slope_position                                           |
| SRM_COVER_TYPE             | VC(3)   | Nrv_setting_measurements.ev_code if cover type ref = "SRM"                        |
| STAND_CONDITION            | VC(2)   | Nrv_perm_char.stand_condition                                                     |
| STAND_CONDITION_REF        | VC(30)  | Region code in the format 'R08' or 'R09' (only used for Regions 8 & 9)            |
| STAND_FIA_EV_CALC          | VC(10)  | <b>Computed.</b> Existing vegetation or stand type using the FIA algorithm        |
| STAND_FIA_TOTAL_STOCKING   | N(7,4)  | <b>Computed.</b> Total stocking value using the FIA algorithm                     |
| STAND_VSS                  | VC(6)   | <b>Computed.</b> Vegetation Structural Stage (VSS)                                |
| STATE                      | VC(2)   | Nrv_setting_measurements.state                                                    |
| STATE_PLANE_DATUM          | VC(10)  | Nrv_setting_measurements.state_plane_datum                                        |
| STATE_PLANE_X              | N(12,3) | Nrv_setting_measurements.state_plane_x                                            |
| STATE_PLANE_Y              | N(12,3) | Nrv_setting_measurements.state_plane_y                                            |
| STATE_PLANE_ZONE           | VC(10)  | Nrv_setting_measurements.state_plane_zone                                         |
| STOCKING_FLAG              | VC(1)   | Nrv_setting_measurements.stocking_flag                                            |
| STOCING_PERCENT            | N(3)    | Nrv_setting_mmeasurements.stocking_percent                                        |
| SUBCOMPARTMENT_NO          | VC(10)  | Nrv_setting_measurements.subcompartment_no                                        |
| SURVEY_UNIT                | VC(2)   | Nrv_setting_measurements.survey_unit                                              |
| TIMBER_SUITABILITY_CODE    | VC(50)  | Not used at this time                                                             |
| TIMBER_SUITABILITY_REF     | VC(30)  | Not used at this time                                                             |
| TIMBER_SUIT_RECOMMEND_CODE | VC(50)  | Not used at this time                                                             |
| TORCHING_INDEX             | N(3)    | Not used at this time                                                             |
| TOTAL_CUBIC                | N(11,4) | Nrv_setting_measurements.total_cubic                                              |
| TOWNSHIP                   | VC(5)   | Nrv_setting_measurements.pls_township                                             |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name   | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TPA    | N(10,4) | <p><b>Computed.</b> Number of live trees per acre in the site.</p> <pre> SELECT DISTINCT plot FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn; SELECT COUNT(DISTINCT plot) INTO pnum FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn; FETCH C_PLOT INTO point; SELECT SUM(plot_tpa_eq) INTO tsum FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn AND plot = point AND live_dead = 'L' AND (dbh &gt;= dia OR drc &gt;= dia) AND off_plot_flag IS NULL; ssum := ssum + tsum; psum := psum + (tsum*tsum); sdtpa := ROUND(SQRT((psum -((ssum * ssum) /pnum)) / (pnum - 1)),3); </pre>            |
| TPA_CV | N(13,4) | <p><b>Computed.</b> Coefficient of variation of the TPA column.</p> <p><math>(v\_tpa\_sd * 100) / v\_tpa;</math></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TPA_SD | N(13,4) | <p><b>Computed.</b> Standard deviation of the TPA column.</p> <pre> SELECT DISTINCT plot FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn; SELECT COUNT(DISTINCT plot) INTO pnum FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn; LOOP; FETCH C_PLOT INTO point; SELECT SUM(plot_tpa_eq) INTO tsum FROM NRV_Stid_Summary_Base_Temp WHERE cn = stand_cn AND plot = point AND live_dead = 'L' AND (dbh &gt;= dia OR drc &gt;= dia) AND off_plot_flag IS NULL; ssum := ssum + tsum; psum := psum + (tsum*tsum); END LOOP; sdtpa := ROUND(SQRT((psum -((ssum * ssum) /pnum)) / (pnum - 1)),3); </pre> |
| TPA_SE | N(7,4)  | <p><b>Computed.</b> Standard error of the TPA column.</p> <pre> SELECT COUNT(DISTINCT plot) into v_pnum FROM NRV_stid_summary_base_temp WHERE cn = p_stand_cn; v_std_error := p_sdtpa / sqrt(v_pnum); </pre>                                                                                                                                                                                                                                                                                                                                                                                             |

**NRV\_CHARACTERIZATIONS (cont.)**

| Name                 | Size    | Description                                                                                                                                                                                                                                                                            |
|----------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TREE_HEIGHT_AVG      | N(13,4) | Average tree height.                                                                                                                                                                                                                                                                   |
| TREE_LAYER_STRUCTURE | VC(2)   | Nrv_perm_char.tree_layer_structure                                                                                                                                                                                                                                                     |
| TREE_SIZE_CLASS      | VC(2)   | Nrv_perm_char.tree_size_class                                                                                                                                                                                                                                                          |
| USGS_LANDUSE2        | VC(2)   | Nrv_perm_char.usgs_landuse2                                                                                                                                                                                                                                                            |
| UTM_DATUM            | VC(10)  | NRV_setting_measurements.utm_datum                                                                                                                                                                                                                                                     |
| UTM_EASTING          | N(6)    | NRV_setting_measurements.utm_easting                                                                                                                                                                                                                                                   |
| UTM_NORTHING         | N(7)    | NRV_setting_measurements.utm_northing                                                                                                                                                                                                                                                  |
| UTM_ZONE             | N(2)    | NRV_setting_measurements.utm_zone                                                                                                                                                                                                                                                      |
| YEAR_OF_ORIGIN       | N(4)    | <b>Computed.</b><br><br>SELECT SUM(age * tpa_stand_eq *<br>DECODE(age,NULL,NULL,1)),<br>SUM(tpa_stand_eq * DECODE(age,NULL,NULL,1))<br>FROM NRV_Grp_By_Summary_Temp<br>WHERE cn = stand_cn AND off_plot_flag IS NULL;<br>FETCH C_avage INTO navage, davage;<br>avage := navage/davage; |

**NRV\_COVER\_MEASUREMENTS**

This table contains columns describing plant and ground cover. There may be multiple species, layers, lifeforms, or ground surface cover entries for each plot. A record must already exist in the Nrv\_setting\_measurements table before entering a record in this table.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                 |
| SETMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_setting_measurements                                                                                                                                                              |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database ID where the record was created.                                                                                                                                                        |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| AGE                                    | N(4)   | Average or predominant age of the cover layer. Stored in years.                                                                                                                                      |

**NRV\_COVER\_MEASUREMENTS (cont.)**

| Name                   | Size                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
|------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|----------------------|--|----|-----------------------|-----|----|------------------------|--|----|---------------------|--|----|----------------------|--|----|-----------------------|--|
| AGE_METHOD             | VC(2)                  | <p>Method used to determine the cover item age.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>DM</td><td>Age at DBH, measured</td><td></td></tr> <tr> <td>DE</td><td>Age at DBH, estimated</td><td></td></tr> <tr> <td>DC</td><td>Age at DBH, calculated</td><td></td></tr> <tr> <td>TM</td><td>Total age, measured</td><td></td></tr> <tr> <td>TE</td><td>Total age, estimated</td><td></td></tr> <tr> <td>TC</td><td>Total age, calculated</td><td></td></tr> </tbody> </table> <p>-Age at DBH is the number of years at 4.5 feet above the forest floor on the uphill side of the tree.<br/>           -Total age is the age from germination to present. An example of measured total age is boring the plant or destructive sampling at the root collar. An example of estimated total age is measuring the age at DBH and adding an estimate of the number of years it took to reach breast height and adding that to the age at DBH.<br/>           -Whorl counts can be measured by physically counting whorls, or estimated.</p> | Code | Description | Use | DM | Age at DBH, measured |  | DE | Age at DBH, estimated |     | DC | Age at DBH, calculated |  | TM | Total age, measured |  | TE | Total age, estimated |  | TC | Total age, calculated |  |
| Code                   | Description            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| DM                     | Age at DBH, measured   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| DE                     | Age at DBH, estimated  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| DC                     | Age at DBH, calculated |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| TM                     | Total age, measured    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| TE                     | Total age, estimated   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| TC                     | Total age, calculated  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| COLLECTION_NUMBER      | N(4)                   | Number assigned to a plant collected in the field for later identification and possible inclusion in a permanent herbarium collection. Valid values are 1-9999.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| COVER_METHOD           | VC(2)                  | <p>Method used to determine cover percent:</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td>CSE</td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Code | Description | Use | M  | Measured             |  | E  | Estimated             | CSE | C  | Calculated             |  |    |                     |  |    |                      |  |    |                       |  |
| Code                   | Description            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| M                      | Measured               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| E                      | Estimated              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| C                      | Calculated             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| COVER_PERCENT          | N(4,1)                 | Percent of the area occupied by the plant or ground surface cover. Since cover percent is usually recorded as being within a certain range (0-10%), this value indicates the middle of the range (5%). Shrub coverage is determined by the vertical projection of the crowns or ground surface feature of interest.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| DATA_CODE_1            | VC(10)                 | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| DATA_CODE_1_DEFINITION | VC(160)                | Define the value stored in data_code_1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| DATA_CODE_2            | VC(10)                 | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |
| DATA_CODE_2_DEFINITION | VC(160)                | Define the value stored in data_code_2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |  |    |                       |     |    |                        |  |    |                     |  |    |                      |  |    |                       |  |

**NRV\_COVER\_MEASUREMENTS (cont.)**

| Name                  | Size        | Description                                                                                                                                                                                                                                                                                                   |      |             |     |   |          |  |   |           |     |   |            |  |
|-----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|----------|--|---|-----------|-----|---|------------|--|
| DATA_NUM_1            | N(7,2)      | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                          |      |             |     |   |          |  |   |           |     |   |            |  |
| DATA_NUM_1_DEFINITION | VC(160)     | Define the value stored in data_num_1.                                                                                                                                                                                                                                                                        |      |             |     |   |          |  |   |           |     |   |            |  |
| DATA_NUM_2            | N(7,2)      | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                          |      |             |     |   |          |  |   |           |     |   |            |  |
| DATA_NUM_2_DEFINITION | VC(160)     | Define the value stored in data_num_2.                                                                                                                                                                                                                                                                        |      |             |     |   |          |  |   |           |     |   |            |  |
| DATA_NUM_3            | N(7,2)      | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                          |      |             |     |   |          |  |   |           |     |   |            |  |
| DATA_NUM_3_DEFINITION | VC(160)     | Define the value stored in data_num_3.                                                                                                                                                                                                                                                                        |      |             |     |   |          |  |   |           |     |   |            |  |
| DATA_NUM_4            | N(7,2)      | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                          |      |             |     |   |          |  |   |           |     |   |            |  |
| DATA_NUM_4_DEFINITION | VC(160)     | Define the value stored in data_num_4 field in this table.                                                                                                                                                                                                                                                    |      |             |     |   |          |  |   |           |     |   |            |  |
| DEAD_COUNT            | N(3)        | Number of dead trees or shrubs. Valid values are 1-999.                                                                                                                                                                                                                                                       |      |             |     |   |          |  |   |           |     |   |            |  |
| DIAMETER              | N(6,3)      | Predominant cross-sectional width of a plant measured through the center of the stem. Stored in inches.                                                                                                                                                                                                       |      |             |     |   |          |  |   |           |     |   |            |  |
| DIAMETER_HEIGHT       | N(6,3)      | Height above ground where the diameter was measured. Stored in feet.<br>4.5 feet implies a DBH (diameter breast height) measurement.<br>0.0 feet implies a DRC (diameter at root collar) measurement.                                                                                                         |      |             |     |   |          |  |   |           |     |   |            |  |
| DIAMETER_METHOD       | VC(2)       | Method used to measure the diameter: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td>CSE</td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table> | Code | Description | Use | M | Measured |  | E | Estimated | CSE | C | Calculated |  |
| Code                  | Description | Use                                                                                                                                                                                                                                                                                                           |      |             |     |   |          |  |   |           |     |   |            |  |
| M                     | Measured    |                                                                                                                                                                                                                                                                                                               |      |             |     |   |          |  |   |           |     |   |            |  |
| E                     | Estimated   | CSE                                                                                                                                                                                                                                                                                                           |      |             |     |   |          |  |   |           |     |   |            |  |
| C                     | Calculated  |                                                                                                                                                                                                                                                                                                               |      |             |     |   |          |  |   |           |     |   |            |  |
| DRY_WT                | N(8,4)      | Total dry weight production of an item. Dry weight can be obtained by multiplying the item's green weight (green_wt) by an appropriate dry weight conversion factor (dry_wt_factor), or by actually drying the item and then measuring the dry weight. Stored in pounds.                                      |      |             |     |   |          |  |   |           |     |   |            |  |
| DRY_WT_FACTOR         | N(5,4)      | Decimal value between 0 and 1, applied to green weight estimates to obtain a dry weight value.                                                                                                                                                                                                                |      |             |     |   |          |  |   |           |     |   |            |  |
| FUEL_BASE_HEIGHT      | N(5,2)      | For the Firemon protocols, height of the fuel ladder                                                                                                                                                                                                                                                          |      |             |     |   |          |  |   |           |     |   |            |  |
| GREEN_WT              | N(6,2)      | Green weight estimate of above ground biomass by item. Stored in pounds.                                                                                                                                                                                                                                      |      |             |     |   |          |  |   |           |     |   |            |  |

**NRV\_COVER\_MEASUREMENTS (cont.)**

| Name                   | Size                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
|------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|---------------------|-----|----|-------------------------|-----|----|--------------|-----|----|-------------|-----|----|---------------------|-----|----|-------------------------|--|
| GROWTH_FORM            | VC(2)                   | Plant habit code.<br><table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>EB</td><td>Evergreen broadleaf</td><td></td></tr> <tr> <td>EN</td><td>Evergreen needle leaved</td><td></td></tr> <tr> <td>EV</td><td>Evergreen</td><td></td></tr> <tr> <td>DE</td><td>Deciduous</td><td></td></tr> <tr> <td>DB</td><td>Deciduous broadleaf</td><td></td></tr> <tr> <td>DN</td><td>Deciduous needle leaved</td><td></td></tr> </tbody> </table> | Code | Description | Use | EB | Evergreen broadleaf |     | EN | Evergreen needle leaved |     | EV | Evergreen    |     | DE | Deciduous   |     | DB | Deciduous broadleaf |     | DN | Deciduous needle leaved |  |
| Code                   | Description             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| EB                     | Evergreen broadleaf     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| EN                     | Evergreen needle leaved |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| EV                     | Evergreen               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| DE                     | Deciduous               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| DB                     | Deciduous broadleaf     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| DN                     | Deciduous needle leaved |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| HEIGHT                 | N(7,4)                  | Average or predominant height of the cover layer. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| HEIGHT_CLASS           | VC(2)                   | The FGDC height class of the cover value.<br><table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>SL</td><td>Shrub, large</td><td>CSE</td></tr> <tr> <td>SM</td><td>Shrub, medium</td><td>CSE</td></tr> <tr> <td>ST</td><td>Shrub, small</td><td>CSE</td></tr> <tr> <td>TS</td><td>Tree, small</td><td>CSE</td></tr> <tr> <td>TT</td><td>Tree, large</td><td>CSE</td></tr> </tbody> </table>                                             | Code | Description | Use | SL | Shrub, large        | CSE | SM | Shrub, medium           | CSE | ST | Shrub, small | CSE | TS | Tree, small | CSE | TT | Tree, large         | CSE |    |                         |  |
| Code                   | Description             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| SL                     | Shrub, large            | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| SM                     | Shrub, medium           | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| ST                     | Shrub, small            | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| TS                     | Tree, small             | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| TT                     | Tree, large             | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| HEIGHT_MAX             | N(7,4)                  | Maximum height of a cover layer. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| HEIGHT_MIN             | N(7,4)                  | Minimum height of a cover layer. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| INDICATOR_SPECIES_FLAG | VC(1)                   | Indicator species flag.<br>Y = Yes, this is an indicator species                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| INTERCEPT              | N(6,2)                  | Transect length intercepted by live foliage. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| ITEM_COUNT             | N(3)                    | Number of cover items.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| LAYER                  | VC(3)                   | Foreign key to Nrv_cover_layers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| LAYER_CODE_LOCAL       | VC(2)                   | Locally defined code for the cover layer.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| LIFEFORM_CODE          | VC(2)                   | Code of the cover lifeform being estimated. This column is constrained by the codes in Nrv_lifeform_classes                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| LIFEFORM_MODIFIER      | VC(4)                   | Further subdivision and description of each life form.                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| LIVE_DEAD              | VC(1)                   | Indicates if a cover item is live or dead.<br><table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>L</td><td>Live</td><td>CSE</td></tr> <tr> <td>D</td><td>Dead</td><td>CSE</td></tr> </tbody> </table>                                                                                                                                                                                                                                  | Code | Description | Use | L  | Live                | CSE | D  | Dead                    | CSE |    |              |     |    |             |     |    |                     |     |    |                         |  |
| Code                   | Description             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| L                      | Live                    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| D                      | Dead                    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| MAPCOND_CN             | VC(34)                  | Foreign key to Nrv_fia_mapped_conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| MODIFIED_BY            | VC(30)                  | The name of the person who modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| MODIFIED_DATE          | DATE                    | The date the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |
| MODIFIED_IN_INSTANCE   | N(6)                    | The database ID where the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                     |     |    |                         |     |    |              |     |    |             |     |    |                     |     |    |                         |  |

**NRV\_COVER\_MEASUREMENTS (cont.)**

| Name            | Size                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
|-----------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|--------------------------------|-----------------------|-----------------------------|----|-----------------------|-----|----|-----------------------|--|----|--------------------------------|--|----|-------------------------------------------------|--|----|----------------------------------------------------------|--|----|----------------------------------------------------------|--|----|-------------------------------------|--|----|-------------------------------|--|
| PHENOLOGY_CLASS | VC(2)                                                    | <div>Indicates plant or species development at time of sampling with respect to annual phenomena such as bud, flower, or fruit development.</div> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>F1</td><td>Forb/shrub: preflower</td><td></td></tr><tr><td>F2</td><td>Forb/shrub: flowering</td><td></td></tr><tr><td>F3</td><td>Forb/shrub: flowering</td><td></td></tr><tr><td>F4</td><td>Forb/shrub: senescent; dormant</td><td></td></tr><tr><td>G1</td><td>Graminoid: leaves partially developed; no heads</td><td></td></tr><tr><td>G2</td><td>Graminoid: inflorescence inside the sheath (in the boot)</td><td></td></tr><tr><td>G3</td><td>Graminoid: flower partially or fully exerted from sheath</td><td></td></tr><tr><td>G4</td><td>Graminoid: seeds maturing or mature</td><td></td></tr><tr><td>G5</td><td>Graminoid: senescent; dormant</td><td></td></tr></table> | Code | Description | Use | F1                             | Forb/shrub: preflower |                             | F2 | Forb/shrub: flowering |     | F3 | Forb/shrub: flowering |  | F4 | Forb/shrub: senescent; dormant |  | G1 | Graminoid: leaves partially developed; no heads |  | G2 | Graminoid: inflorescence inside the sheath (in the boot) |  | G3 | Graminoid: flower partially or fully exerted from sheath |  | G4 | Graminoid: seeds maturing or mature |  | G5 | Graminoid: senescent; dormant |  |
| Code            | Description                                              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| F1              | Forb/shrub: preflower                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| F2              | Forb/shrub: flowering                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| F3              | Forb/shrub: flowering                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| F4              | Forb/shrub: senescent; dormant                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| G1              | Graminoid: leaves partially developed; no heads          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| G2              | Graminoid: inflorescence inside the sheath (in the boot) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| G3              | Graminoid: flower partially or fully exerted from sheath |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| G4              | Graminoid: seeds maturing or mature                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| G5              | Graminoid: senescent; dormant                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| PRESENCE_FLAG   | VC(1)                                                    | <div>Flag indicating presence of a flora item in site level investigation. It may also be used to indicate that a flora item (generally species) is generally present, and found adjacent to, but not in, the plot.</div> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>X</td><td>Not assessed</td><td></td></tr><tr><td>P</td><td>Present</td><td>CSE</td></tr><tr><td>A</td><td>Absent</td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Code | Description | Use | X                              | Not assessed          |                             | P  | Present               | CSE | A  | Absent                |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| Code            | Description                                              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| X               | Not assessed                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| P               | Present                                                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| A               | Absent                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| QUAD_1_PRESENCE | VC(1)                                                    | <div>Quadrat 1 presence. A code indicating whether the species is found on quadrat 1 of the current subplot</div> <table><tr><th>Code</th><th>Description</th></tr><tr><td>0</td><td>No, the species is not present</td></tr><tr><td>1</td><td>Yes, the species is present</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Code | Description | 0   | No, the species is not present | 1                     | Yes, the species is present |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| Code            | Description                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| 0               | No, the species is not present                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| 1               | Yes, the species is present                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| QUAD_2_PRESENCE | VC(1)                                                    | <div>Quadrat 2 presence. A code indicating whether the species is found on quadrat 2 of the current subplot</div> <table><tr><th>Code</th><th>Description</th></tr><tr><td>0</td><td>No, the species is not present</td></tr><tr><td>1</td><td>Yes, the species is present</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Code | Description | 0   | No, the species is not present | 1                     | Yes, the species is present |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| Code            | Description                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| 0               | No, the species is not present                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |
| 1               | Yes, the species is present                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                |                       |                             |    |                       |     |    |                       |  |    |                                |  |    |                                                 |  |    |                                                          |  |    |                                                          |  |    |                                     |  |    |                               |  |

**NRV\_COVER\_MEASUREMENTS (cont.)**

| Name            | Size                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|--------------------------------|-----------------|-----------------------------|--|-----------------------------------------------------------------------------------|-----|----|-------|-----|--|----------------------------------------------------------------------|-----|----|--------|-----|--|------------------------------------------------------------------------|-----|----|----------|-----|--|--------------------------------------------------------------------------|--|---|------|-----|
| QUAD_3_PRESENCE | VC(1)                                                                             | Quadrat 3 presence. A code indicating whether the species is found on quadrat 3 of the current subplot <table><tr><th>Code</th><th>Description</th></tr><tr><td>0</td><td>No, the species is not present</td></tr><tr><td>1</td><td>Yes, the species is present</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Code | Description | 0   | No, the species is not present | 1               | Yes, the species is present |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| Code            | Description                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| 0               | No, the species is not present                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| 1               | Yes, the species is present                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| REMARKS         | VC(255)                                                                           | Remarks pertaining to the cover record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| ROW_ACCESS_CODE | VC(6)                                                                             | Control field to support row level access.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| SELCRIT_CN      | VC(34)                                                                            | Foreign key to Nrv_selection_criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| SHRUB_AGE_CLASS | VC(2)                                                                             | Estimate of the age class of a shrub or tree. Shrub age class is based on the percentage of branch or foliage maturity. Tree age class is based on overall appearance, crown, branch, and bark characteristics. <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>SS</td><td>Seedling/sprout</td><td>CSE</td></tr><tr><td></td><td>Immature, no dead material (stems and branches) associated with the shrub record.</td><td>FIA</td></tr><tr><td>YO</td><td>Young</td><td>CSE</td></tr><tr><td></td><td>Mature, 1-24 percent dead material associated with the shrub record.</td><td>FIA</td></tr><tr><td>MA</td><td>Mature</td><td>CSE</td></tr><tr><td></td><td>Over-mature, 25-49 percent dead material associated with shrub record.</td><td>FIA</td></tr><tr><td>DE</td><td>Decadent</td><td>CSE</td></tr><tr><td></td><td>Decadent, 50 percent or more dead material associated with shrub record.</td><td></td></tr><tr><td>X</td><td>Dead</td><td>CSE</td></tr></table> | Code | Description | Use | SS                             | Seedling/sprout | CSE                         |  | Immature, no dead material (stems and branches) associated with the shrub record. | FIA | YO | Young | CSE |  | Mature, 1-24 percent dead material associated with the shrub record. | FIA | MA | Mature | CSE |  | Over-mature, 25-49 percent dead material associated with shrub record. | FIA | DE | Decadent | CSE |  | Decadent, 50 percent or more dead material associated with shrub record. |  | X | Dead | CSE |
| Code            | Description                                                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| SS              | Seedling/sprout                                                                   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|                 | Immature, no dead material (stems and branches) associated with the shrub record. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| YO              | Young                                                                             | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|                 | Mature, 1-24 percent dead material associated with the shrub record.              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| MA              | Mature                                                                            | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|                 | Over-mature, 25-49 percent dead material associated with shrub record.            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| DE              | Decadent                                                                          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|                 | Decadent, 50 percent or more dead material associated with shrub record.          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| X               | Dead                                                                              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                |                 |                             |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |

**NRV\_COVER\_MEASUREMENTS (cont.)**

| Name             | Size                                                                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
|------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|------|------------------------------|--|------|-------------------------|--|------|--------------------------------------|--|------|-----------------------------------------------------------------------------------------|--|------|--------------------------------------------|--|------|----------------------------------|--|------|------------------------------------------------------------------------------------|--|------|-----------------------------------------|--|------|---------------------------------------------------------------------------|--|------|---------------------------------------|--|------|---------------------------------|--|
| SHRUB_FORM_CLASS | VC(4)                                                                                   | <p>Shrub form is determined for established shrubs based on an evaluation of the foliage.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>HIMV</td><td>Mostly available, highlined.</td><td></td></tr> <tr> <td>HIUN</td><td>Unavailable, highlined.</td><td></td></tr> <tr> <td>LIAM</td><td>All available, little or no hedging.</td><td></td></tr> <tr> <td>LIHE</td><td>Little or no hedging: 2-year wood is relatively long/unaltered from normal growth form.</td><td></td></tr> <tr> <td>LIPA</td><td>Partially available, little or no hedging.</td><td></td></tr> <tr> <td>MOAM</td><td>All available, moderate hedging.</td><td></td></tr> <tr> <td>MOHE</td><td>Moderately hedged: 2-year wood is fairly long but altered from normal growth form.</td><td></td></tr> <tr> <td>MOPA</td><td>Partially available, moderately hedged.</td><td></td></tr> <tr> <td>SEHE</td><td>Severely hedged: 2-year wood is relatively short and/or strongly altered.</td><td></td></tr> <tr> <td>SEPA</td><td>Partially available, severely hedged.</td><td></td></tr> <tr> <td>SOAM</td><td>All available, severely hedged.</td><td></td></tr> </table> | Code | Description | Use | HIMV | Mostly available, highlined. |  | HIUN | Unavailable, highlined. |  | LIAM | All available, little or no hedging. |  | LIHE | Little or no hedging: 2-year wood is relatively long/unaltered from normal growth form. |  | LIPA | Partially available, little or no hedging. |  | MOAM | All available, moderate hedging. |  | MOHE | Moderately hedged: 2-year wood is fairly long but altered from normal growth form. |  | MOPA | Partially available, moderately hedged. |  | SEHE | Severely hedged: 2-year wood is relatively short and/or strongly altered. |  | SEPA | Partially available, severely hedged. |  | SOAM | All available, severely hedged. |  |
| Code             | Description                                                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| HIMV             | Mostly available, highlined.                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| HIUN             | Unavailable, highlined.                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| LIAM             | All available, little or no hedging.                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| LIHE             | Little or no hedging: 2-year wood is relatively long/unaltered from normal growth form. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| LIPA             | Partially available, little or no hedging.                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| MOAM             | All available, moderate hedging.                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| MOHE             | Moderately hedged: 2-year wood is fairly long but altered from normal growth form.      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| MOPA             | Partially available, moderately hedged.                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| SEHE             | Severely hedged: 2-year wood is relatively short and/or strongly altered.               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| SEPA             | Partially available, severely hedged.                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| SOAM             | All available, severely hedged.                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |
| SPA_EQUIV        | N(10,5)                                                                                 | <b>Computed.</b> Number of stems per acre this sampled vegetation record represents. Based on the sample design of the plot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |      |                              |  |      |                         |  |      |                                      |  |      |                                                                                         |  |      |                                            |  |      |                                  |  |      |                                                                                    |  |      |                                         |  |      |                                                                           |  |      |                                       |  |      |                                 |  |

**NRV\_COVER\_MEASUREMENTS (cont.)**

| Name               | Size                                                                                                                                                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------------------------------------------------------------------------------------|--|---|-------------------------------------------------------|--|---|-------------------------------------------------------------------------------------|--|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|------------------------------------------------------------|--|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SPECIES_CERTAINTY  | VC(1)                                                                                                                                                                                                              | <p>The confidence in each species designation. Plants coded 3, 4, or 5 must be tracked on the Unknown Spreadsheet.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Not known how confident, only used to crosswalk old databases with no certainty designations.</td><td></td></tr> <tr> <td>1</td><td>Certain in the field, most commonly used designation.</td><td></td></tr> <tr> <td>2</td><td>Uncertain species (probably this species) use when species is somewhat in question.</td><td></td></tr> <tr> <td>3</td><td>Uncertain of genus (probably this genus) use when genus is somewhat in question, but there isn't enough plant material to collect or determining plant parts are not present.</td><td></td></tr> <tr> <td>4</td><td>Unknown, specimens collected for herbarium identification.</td><td></td></tr> <tr> <td>5</td><td>Unknown, not collected (not enough plant material to collect for herbarium identification) used for very young, rare, or damaged plants when there is not enough material to collect for herbarium identification.</td><td></td></tr> </table> | Code | Description | Use | 0 | Not known how confident, only used to crosswalk old databases with no certainty designations. |  | 1 | Certain in the field, most commonly used designation. |  | 2 | Uncertain species (probably this species) use when species is somewhat in question. |  | 3 | Uncertain of genus (probably this genus) use when genus is somewhat in question, but there isn't enough plant material to collect or determining plant parts are not present. |  | 4 | Unknown, specimens collected for herbarium identification. |  | 5 | Unknown, not collected (not enough plant material to collect for herbarium identification) used for very young, rare, or damaged plants when there is not enough material to collect for herbarium identification. |  |
| Code               | Description                                                                                                                                                                                                        | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| 0                  | Not known how confident, only used to crosswalk old databases with no certainty designations.                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| 1                  | Certain in the field, most commonly used designation.                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| 2                  | Uncertain species (probably this species) use when species is somewhat in question.                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| 3                  | Uncertain of genus (probably this genus) use when genus is somewhat in question, but there isn't enough plant material to collect or determining plant parts are not present.                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| 4                  | Unknown, specimens collected for herbarium identification.                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| 5                  | Unknown, not collected (not enough plant material to collect for herbarium identification) used for very young, rare, or damaged plants when there is not enough material to collect for herbarium identification. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| SPECIES_SYMBOL     | VC(8)                                                                                                                                                                                                              | The NRCS PLANTS code of the species represented by this record. For example, PSME = <i>Pseudotsuga menziesii</i> . Constrained by values in the appropriate TAXA table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| SUBGROUP_CODE      | VC(4)                                                                                                                                                                                                              | A 'sub-stratification' of the major sample unit, used to categorize cover records within the setting into different conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| SUBSAMPLE          | VC(2)                                                                                                                                                                                                              | Subsample number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| SURFACE_COVER_CODE | VC(4)                                                                                                                                                                                                              | Non-vegetative cover. This column is constrained by the codes in Nrv_surface_cover_types                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |
| TAG_ID             | VC(5)                                                                                                                                                                                                              | Unique number physically attached to a cover item or assigned to a record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                                               |  |   |                                                       |  |   |                                                                                     |  |   |                                                                                                                                                                               |  |   |                                                            |  |   |                                                                                                                                                                                                                    |  |

**NRV\_COVER\_MEASUREMENTS (cont.)**

| Name                | Size        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
|---------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------|--|---|--------|--|----|---------|--|----|----------|--|----|----------|--|----|----------|--|----|----------|--|----|----------|--|----|----------|--|----|----------|--|----|----------|--|----|-----------|--|
| UTILIZATION_CLASS   | VC(4)       | <p>Estimate of percent utilization based on volume of the current year's growth removed by animals. For those species to be characterized enter one of the following class codes to describe the percent utilization present.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr><td>1</td><td>0 - &lt;1%</td><td></td></tr> <tr><td>3</td><td>1 - 5%</td><td></td></tr> <tr><td>10</td><td>6 - 15%</td><td></td></tr> <tr><td>20</td><td>16 - 25%</td><td></td></tr> <tr><td>30</td><td>26 - 35%</td><td></td></tr> <tr><td>40</td><td>36 - 45%</td><td></td></tr> <tr><td>50</td><td>46 - 55%</td><td></td></tr> <tr><td>60</td><td>56 - 65%</td><td></td></tr> <tr><td>70</td><td>66 - 75%</td><td></td></tr> <tr><td>80</td><td>76 - 85%</td><td></td></tr> <tr><td>90</td><td>86 - 95%</td><td></td></tr> <tr><td>98</td><td>96 - 100%</td><td></td></tr> </tbody> </table> | Code | Description | Use | 1 | 0 - <1% |  | 3 | 1 - 5% |  | 10 | 6 - 15% |  | 20 | 16 - 25% |  | 30 | 26 - 35% |  | 40 | 36 - 45% |  | 50 | 46 - 55% |  | 60 | 56 - 65% |  | 70 | 66 - 75% |  | 80 | 76 - 85% |  | 90 | 86 - 95% |  | 98 | 96 - 100% |  |
| Code                | Description | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 1                   | 0 - <1%     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 3                   | 1 - 5%      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 10                  | 6 - 15%     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 20                  | 16 - 25%    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 30                  | 26 - 35%    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 40                  | 36 - 45%    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 50                  | 46 - 55%    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 60                  | 56 - 65%    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 70                  | 66 - 75%    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 80                  | 76 - 85%    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 90                  | 86 - 95%    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| 98                  | 96 - 100%   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| UTILIZATION_PERCENT | N(3)        | An estimate of percent of volume of the current year's growth removed by herbivores.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |
| VOUCHER_FLAG        | VC(1)       | Was an actual "voucher" specimen collected?<br>Y = yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |         |  |   |        |  |    |         |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |          |  |    |           |  |

**NRV\_CREW\_INFO**

This table contains columns describing the crew that collected the FIA data.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                 |
| SETMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_setting_measurements                                                                                                                                                              |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                                                                                                                                 |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| DATA_TYPE                              | VC(2)  | Type of data measured on the plot.<br><br>1 = FIA P2<br>2 = FIA P3 DWM                                                                                                                               |

**NRV\_CREW\_INFO (cont.)**

| Name                 | Size   | Description                                                                                                                                                                                                                                            |
|----------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ID                   | VC(6)  | This is a RMRS variable. It contains up to 5 crew numbers as assigned to the field crew. The crew supervisor is recorded first (e.g. for crew supervisor 02 working with crew members 12 and 31, record 002, 012, 031, 000, 000).                      |
| MODIFIED_BY          | VC(30) | The name of the person who last modified the record.                                                                                                                                                                                                   |
| MODIFIED_DATE        | DATE   | The date the record was last modified.                                                                                                                                                                                                                 |
| MODIFIED_IN_INSTANCE | N(6)   | The database server ID where the record was last modified.                                                                                                                                                                                             |
| NAME                 | VC(20) | For the P3-Vegetation Diversity variable, this value contains the full names of each crewmember measuring vegetation. For the PNW Regional variable, it contains the first initial and last name of up to five people taking measurements on the plot. |
| TYPE                 | VC(2)  | Type of crew measuring the plot.<br><br><u>National Core Variable</u><br>1 = Standard<br>2 = QA<br>3 = Special study<br>4 = Gradient study<br>5 = Evaluation monitoring<br>6 = Trainer<br>7 = Expert                                                   |

**NRV\_DATA\_CODE\_COVMEAS**

This table contains columns describing FIA specific cover measurements.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COVMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_cover_measurements.                                                                                                                                                               |
| DCDESC_CN<br><i>Required</i>           | VC(34) | Foreign key to Nrv_data_code_descriptions.                                                                                                                                                           |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                                                                                                                                 |
| DATA<br><i>Required</i>                | VC(20) | The observed or measured value associated with Nrv_data_code_descriptions.data_id This is linked via dcdesc_cn                                                                                       |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| MODIFIED_BY                            | VC(30) | The name of the person who last modified the record.                                                                                                                                                 |
| MODIFIED_DATE                          | DATE   | The date the record was last modified.                                                                                                                                                               |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database server ID where the record was last modified.                                                                                                                                           |

# NRV\_DATA\_CODE\_DESCRIPTIONS

This table describes the valid values in Nrv\_data\_code.

| Name                                   | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
|----------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----------------------|-----|----------------------|-----|---------------------------|-----|-------------------------|-----|-----------------------|-----|------------------------|-----|-------------------------|-----|
| CN<br><i>Required</i>                  | VC(34)  | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                                                                                                                                          |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| CREATED_BY<br><i>Required</i>          | VC(30)  | The name of the person who created the record.                                                                                                                                                                                                                                                                                                                                                                                                                                |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| CREATED_DATE<br><i>Required</i>        | DATE    | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)    | The database server ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                          |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| DATA_CODE_TABLE<br><i>Required</i>     | VC(30)  | The name of one of the seven data_code_tables. <table><tr><th>Code</th><th>Use</th></tr><tr><td>Nrv_data_code_covmeas</td><td>CSE</td></tr><tr><td>Nrv_data_code_dwmeas</td><td>CSE</td></tr><tr><td>Nrv_data_code_fia_mapcons</td><td>FIA</td></tr><tr><td>Nrv_data_code_reference</td><td>CSE</td></tr><tr><td>Nrv_data_code_setmeas</td><td>CSE</td></tr><tr><td>Nrv_data_code_treemeas</td><td>CSE</td></tr><tr><td>Nrv_data_code_fire_info</td><td>CSE</td></tr></table> | Code | Use | Nrv_data_code_covmeas | CSE | Nrv_data_code_dwmeas | CSE | Nrv_data_code_fia_mapcons | FIA | Nrv_data_code_reference | CSE | Nrv_data_code_setmeas | CSE | Nrv_data_code_treemeas | CSE | Nrv_data_code_fire_info | CSE |
| Code                                   | Use     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| Nrv_data_code_covmeas                  | CSE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| Nrv_data_code_dwmeas                   | CSE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| Nrv_data_code_fia_mapcons              | FIA     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| Nrv_data_code_reference                | CSE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| Nrv_data_code_setmeas                  | CSE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| Nrv_data_code_treemeas                 | CSE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| Nrv_data_code_fire_info                | CSE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| DATA_DESCRIPTION<br><i>Required</i>    | VC(80 ) | Describes the data_id column                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| DATA_ID<br><i>Required</i>             | VC(30)  | First field in the unique key.                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| FORMAT<br><i>Required</i>              | VC(20)  | Describes the format of data_id.                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| SOURCE<br><i>Required</i>              | VC(9)   | Second field in the unique key. All records created by the FSveg staff are placed on each site with a designated cn. Any records site adds will have this column auto-populated with the site’s instance ID.                                                                                                                                                                                                                                                                  |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| CONSTRAINING_REFERENCE_TABLE           | VC(30)  | In some cases, a Region or Forest may want to constrain a specific data_id using a valid value look up table. The name of that table would be stored here.                                                                                                                                                                                                                                                                                                                    |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| MODIFIED_BY                            | VC(30)  | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                          |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| MODIFIED_DATE                          | DATE    | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| MODIFIED_IN_INSTANCE                   | N(6)    | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                    |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| PRECISION                              | VC(50)  | Precision description associated with the Units of Measure.                                                                                                                                                                                                                                                                                                                                                                                                                   |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| START_VALUE                            | N(13,6) | The minimum value of the data_id field                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| STOP_VALUE                             | N(13,6) | The maximum value of the data_id field                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| STEP                                   | N(13,6) | The allowable increments of the data_id field. For example, if the only valid values a data_id field are 10, 20, 30, and 40, the start_value is set to 10, the stop_value is set to 40, and the step value is set to 10.                                                                                                                                                                                                                                                      |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |
| UNITS                                  | VC(25)  | Units of measure for the data id field                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |     |                       |     |                      |     |                           |     |                         |     |                       |     |                        |     |                         |     |

## NRV\_DATA\_CODE\_DWMEAS

This table describes down woody material data not defined by national FIA protocols.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DWMEAS_CN<br><i>Required</i>           | VC(34) | Foreign key to Nrv_down_woody_measurements.                                                                                                                                                          |
| DCDESC_CN<br><i>Required</i>           | VC(34) | Foreign key to Nrv_data_code_descriptions.                                                                                                                                                           |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                                                                                                                                 |
| DATA<br><i>Required</i>                | VC(20) | The observed or measured value associated with Nrv_data_code_descriptions.data_id                                                                                                                    |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| MODIFIED_BY                            | VC(30) | The name of the person who last modified the record.                                                                                                                                                 |
| MODIFIED_DATE                          | DATE   | The date the record was last modified.                                                                                                                                                               |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database server ID where the record was last modified.                                                                                                                                           |

## NRV\_DATA\_CODE\_FIA\_MAPCONS

This table describes mapped condition data not defined by national FIA protocols.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAPCOND_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_fia_mapped_conditions.                                                                                                                                                            |
| DCDESC_CN<br><i>Required</i>           | VC(34) | Foreign key to Nrv_data_code_descriptions.                                                                                                                                                           |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                                                                                                                                 |
| DATA<br><i>Required</i>                | VC(20) | The observed or measured value associated with Nrv_data_code_descriptions.data_id                                                                                                                    |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| MODIFIED_BY                            | VC(30) | The name of the person who last modified the record.                                                                                                                                                 |
| MODIFIED_DATE                          | DATE   | The date the record was last modified.                                                                                                                                                               |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database server ID where the record was last modified.                                                                                                                                           |

## NRV\_DATA\_CODE\_FIRE\_INFO

This table describes the local codes in Nrv\_fire\_info

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record                                                                                                                                                        |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database ID where the record was created.                                                                                                                                                        |
| DATA<br><i>Required</i>                | VC(20) | The observed or measured value associated with Nrv_data_code_descriptions.data_id.                                                                                                                   |
| DCDESC_CN<br><i>Required</i>           | VC(34) | Foreign key to Nrv_data_code_descriptions.                                                                                                                                                           |
| FIRE_INFO_CN<br><i>Required</i>        | VC(34) | Foreign key to Nrv_fire_info.                                                                                                                                                                        |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| MODIFIED_BY                            | VC(30) | The name of the person who modified the record.                                                                                                                                                      |
| MODIFIED_DATE                          | DATE   | The date the record was modified.                                                                                                                                                                    |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database ID where the record was modified.                                                                                                                                                       |

## NRV\_DATA\_CODE\_REFERENCES

This table describes the valid data values associated with unique combinations of data\_id and source columns in Nrv\_data\_code\_descriptions.

| Name                                   | Size    | Description                                                                                                                                                                                                                                           |
|----------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34)  | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                  |
| DCDESC_CN<br><i>Required</i>           | VC(34)  | Foreign key to Nrv_data_code_descriptions                                                                                                                                                                                                             |
| CREATED_BY<br><i>Required</i>          | VC(30)  | The name of the person who created the record.                                                                                                                                                                                                        |
| CREATED_DATE<br><i>Required</i>        | DATE    | The date the record was created.                                                                                                                                                                                                                      |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)    | The database server ID where the record was created.                                                                                                                                                                                                  |
| DATA_DESCRIPTION<br><i>Required</i>    | VC(80 ) | Describes the code or value stored in valid_data                                                                                                                                                                                                      |
| VALID_DATA<br><i>Required</i>          | VC(20)  | Contains a valid code for a specific data stored in Nrv_data_code_descriptions.data_id. Each row in this table represents a single valid code. There could be many records in this table linked to a single Nrv_data_code_descriptions.data_id record |

**NRV\_DATA\_CODE\_REFERENCES (cont.)**

| Name                 | Size   | Description                                                |
|----------------------|--------|------------------------------------------------------------|
| MODIFIED_BY          | VC(30) | The name of the person who last modified the record.       |
| MODIFIED_DATE        | DATE   | The date the record was last modified.                     |
| MODIFIED_IN_INSTANCE | N(6)   | The database server ID where the record was last modified. |

**NRV\_DATA\_CODE\_SETMEAS**

This table describes setting, cluster, plot, subplot, etc., data not defined by national FIA protocol.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SETMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_setting_measurements.                                                                                                                                                             |
| DCDESC_CN<br><i>Required</i>           | VC(34) | Foreign key to Nrv_data_code_descriptions.                                                                                                                                                           |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                                                                                                                                 |
| DATA<br><i>Required</i>                | VC(20) | The observed or measured value associated with Nrv_data_code_descriptions.data_id                                                                                                                    |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| MODIFIED_BY                            | VC(30) | The name of the person who last modified the record.                                                                                                                                                 |
| MODIFIED_DATE                          | DATE   | The date the record was last modified.                                                                                                                                                               |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database server ID where the record was last modified.                                                                                                                                           |

**NRV\_DATA\_CODE\_TREEMEAS**

This table describes tree data not defined by national FIA protocol.

| Name                                   | Size   | Description                                          |
|----------------------------------------|--------|------------------------------------------------------|
| TREMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to the table Nrv_tree_measurements.      |
| DCDESC_CN<br><i>Required</i>           | VC(34) | Foreign key to the table Nrv_data_code_descriptions. |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created. |

**NRV\_DATA\_CODE\_TREEMEAS (cont.)**

| Name                          | Size   | Description                                                                                                                                                                                          |
|-------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATA<br><i>Required</i>       | VC(20) | The observed or measured value associated with Nrv_data_code_descriptions.data_id                                                                                                                    |
| VPDUNIT_ID<br><i>Required</i> | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| MODIFIED_BY                   | VC(30) | The name of the person who last modified the record.                                                                                                                                                 |
| MODIFIED_DATE                 | DATE   | The date the record was last modified.                                                                                                                                                               |
| MODIFIED_IN_INSTANCE          | N(6)   | The database server ID where the record was last modified.                                                                                                                                           |

**NRV\_DOWN\_WOODY\_MEASUREMENTS**

This table describes down woody material. This data is generally collected in classes; an example is counting the number of pieces between 12 and 24 inches in diameter. There can be multiple measurements on each plot. A record must already exist in Nrv\_setting\_measurements before entering a record in this table.

| Name                                   | Size                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
|----------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|------|-----|---|----------------------|-----|---|-----------------------|-----|---|------------------------|-----|
| CN<br><i>Required</i>                  | VC(34)                 | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| CREATED_BY<br><i>Required</i>          | VC(30)                 | The name of the person who created the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| CREATED_DATE<br><i>Required</i>        | DATE                   | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                   | The database ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| SETMEAS_CN<br><i>Required</i>          | VC(34)                 | Foreign key to Nrv_setting_measurements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)                 | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| CHARRED                                | N(3)                   | For all logs $\geq 20$ inches in diameter at the point of intersection and in decay class 1,2, or 3, record a 1-digit code that represents the percentage of the log's surface area that has been charred by fire. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>None</td><td>FIA</td></tr> <tr> <td>1</td><td>Up to 1/3 of the log</td><td>FIA</td></tr> <tr> <td>2</td><td>1/3 to 2/3 of the log</td><td>FIA</td></tr> <tr> <td>3</td><td>2/3 or more of the log</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 0 | None | FIA | 1 | Up to 1/3 of the log | FIA | 2 | 1/3 to 2/3 of the log | FIA | 3 | 2/3 or more of the log | FIA |
| Code                                   | Description            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| 0                                      | None                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| 1                                      | Up to 1/3 of the log   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| 2                                      | 1/3 to 2/3 of the log  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| 3                                      | 2/3 or more of the log | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| DATA_CODE_1                            | VC(10)                 | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |
| DATA_CODE_1_DEFINITION                 | VC(160)                | Define the value stored in data_code_1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |      |     |   |                      |     |   |                       |     |   |                        |     |

**NRV\_DOWN\_WOODY\_MEASUREMENTS (cont.)**

| Name                   | Size          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
|------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|----------|--|----|-----------|-----|---|---------------|-----|---|---------------|-----|---|---------------|-----|---|---------------|-----|---|---------------|-----|
| DATA_CODE_2            | VC(10)        | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DATA_CODE_2_DEFINITION | VC(160)       | Define the value stored in data_code_2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DATA_NUM_1             | N(7,2)        | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DATA_NUM_1_DEFINITION  | VC(160)       | Define the value stored in data_num_1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DATA_NUM_2             | N(7,2)        | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DATA_NUM_2_DEFINITION  | VC(160)       | Define the value stored in data_num_2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DECAY_CLASS            | VC(2)         | <p>Current condition of the down woody material.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>SO</td><td>Sound</td><td></td></tr> <tr> <td>RO</td><td>Rotten</td><td></td></tr> <tr> <td>1</td><td>Decay class 1</td><td>CSE</td></tr> <tr> <td>2</td><td>Decay class 2</td><td>CSE</td></tr> <tr> <td>3</td><td>Decay class 3</td><td>CSE</td></tr> <tr> <td>4</td><td>Decay class 4</td><td>CSE</td></tr> <tr> <td>5</td><td>Decay class 5</td><td>CSE</td></tr> </tbody> </table> | Code | Description | Use | SO | Sound    |  | RO | Rotten    |     | 1 | Decay class 1 | CSE | 2 | Decay class 2 | CSE | 3 | Decay class 3 | CSE | 4 | Decay class 4 | CSE | 5 | Decay class 5 | CSE |
| Code                   | Description   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| SO                     | Sound         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| RO                     | Rotten        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| 1                      | Decay class 1 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| 2                      | Decay class 2 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| 3                      | Decay class 3 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| 4                      | Decay class 4 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| 5                      | Decay class 5 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DEPTH                  | N(6,3)        | First measurement of the depth of the duff and/or litter layer. CSE data records only the depth of the duff layer. Stored in inches.                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DEPTH2                 | N(6,3)        | Second measurement of the depth of the duff/litter layer. Stored in inches.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DIAMETER               | N(6,3)        | The cross-sectional width of a down woody piece, measured through the center of the stem (measured at intersection with transect for FIA data). Stored in inches.                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DIAMETER_LARGE_END     | N(6,3)        | The cross-sectional width of a down woody piece measured through the large end of the piece. Stored in inches.                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DIAMETER_METHOD        | VC(2)         | <p>Method used to measure the diameter.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td>CSE</td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>                                                                                                                                                                                                                                     | Code | Description | Use | M  | Measured |  | E  | Estimated | CSE | C | Calculated    |     |   |               |     |   |               |     |   |               |     |   |               |     |
| Code                   | Description   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| M                      | Measured      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| E                      | Estimated     | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| C                      | Calculated    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| DIAMETER_SMALL_END     | N(6,3)        | The cross-sectional width of a down woody piece measured through the small end of the piece. Stored in inches.                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |
| FUEL_BED_DEPTH         | N(6,3)        | Vertical distance from the top of the duff layer to the highest dead particle. Stored in inches.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |          |  |    |           |     |   |               |     |   |               |     |   |               |     |   |               |     |   |               |     |

**NRV\_DOWN\_WOODY\_MEASUREMENTS (cont.)**

| Name             | Size                                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
|------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|----------------------------------|-----|---|----------------------------------------------------------------------------|-----|---|---------------------------------------------------------------------|-----|---|--------------------------------------------------------------------|-----|---|-----------------------------------------------------------|-----|---|------------------------------------------------------------------|-----|---|-----------------------------|-----|
| HIGHCOUNT_REASON | VC(1)                                                                      | <p>Explanation of why a transect contains more than 100 pieces of fine woody debris.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Count is not unusually high.</td><td>FIA</td></tr> <tr> <td>1</td><td>High count is due to an overall high density of pieces across the transect</td><td>FIA</td></tr> <tr> <td>2</td><td>Wood rat's nest located on transect</td><td>FIA</td></tr> <tr> <td>3</td><td>Tree or shrub lying across transect</td><td>FIA</td></tr> <tr> <td>4</td><td>Other reason.</td><td>FIA</td></tr> </table>                                                                                                                                                                                                                                                                                             | Code | Description | Use | 0 | Count is not unusually high.     | FIA | 1 | High count is due to an overall high density of pieces across the transect | FIA | 2 | Wood rat's nest located on transect                                 | FIA | 3 | Tree or shrub lying across transect                                | FIA | 4 | Other reason.                                             | FIA |   |                                                                  |     |   |                             |     |
| Code             | Description                                                                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 0                | Count is not unusually high.                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 1                | High count is due to an overall high density of pieces across the transect | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 2                | Wood rat's nest located on transect                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 3                | Tree or shrub lying across transect                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 4                | Other reason.                                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| HISTORY          | VC(2)                                                                      | <p>Explanation of why the coarse woody debris piece is on the ground.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Result of natural causes (CORE).</td><td>FIA</td></tr> <tr> <td>2</td><td>Result of major harvest activity (cut down or bulldozed) (CORE).</td><td>FIA</td></tr> <tr> <td>2</td><td>Result of major RECENT harvest activity (<math>\leq</math> 15 yrs old) ( NW).</td><td>FIA</td></tr> <tr> <td>3</td><td>Result of an incidental harvest (such as firewood cutting) (CORE).</td><td>FIA</td></tr> <tr> <td>3</td><td>Result of OLDER harvest activity (<math>&gt;</math> 15 yrs old) (PNW).</td><td>FIA</td></tr> <tr> <td>4</td><td>Result of an incidental harvest (such as firewood utting). (PNW)</td><td>FIA</td></tr> <tr> <td>5</td><td>Exact reason unknown (PNW).</td><td>FIA</td></tr> </table> | Code | Description | Use | 1 | Result of natural causes (CORE). | FIA | 2 | Result of major harvest activity (cut down or bulldozed) (CORE).           | FIA | 2 | Result of major RECENT harvest activity ( $\leq$ 15 yrs old) ( NW). | FIA | 3 | Result of an incidental harvest (such as firewood cutting) (CORE). | FIA | 3 | Result of OLDER harvest activity ( $>$ 15 yrs old) (PNW). | FIA | 4 | Result of an incidental harvest (such as firewood utting). (PNW) | FIA | 5 | Exact reason unknown (PNW). | FIA |
| Code             | Description                                                                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 1                | Result of natural causes (CORE).                                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 2                | Result of major harvest activity (cut down or bulldozed) (CORE).           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 2                | Result of major RECENT harvest activity ( $\leq$ 15 yrs old) ( NW).        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 3                | Result of an incidental harvest (such as firewood cutting) (CORE).         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 3                | Result of OLDER harvest activity ( $>$ 15 yrs old) (PNW).                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 4                | Result of an incidental harvest (such as firewood utting). (PNW)           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| 5                | Exact reason unknown (PNW).                                                | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| HOLLOW_CODE      | VC(1)                                                                      | <p>Is the piece hollow?</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>Y</td><td>Yes, the piece is hollow.</td><td>FIA</td></tr> <tr> <td>N</td><td>No, the piece is not hollow.</td><td>FIA</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Code | Description | Use | Y | Yes, the piece is hollow.        | FIA | N | No, the piece is not hollow.                                               | FIA |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| Code             | Description                                                                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| Y                | Yes, the piece is hollow.                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |
| N                | No, the piece is not hollow.                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                  |     |   |                                                                            |     |   |                                                                     |     |   |                                                                    |     |   |                                                           |     |   |                                                                  |     |   |                             |     |

**NRV\_DOWN\_WOODY\_MEASUREMENTS (cont.)**

| Name                 | Size                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
|----------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------------------------------|-----|---|----------------------------------------|-----|---|--------|-----|---|------|-----|
| HOLLOW_PERCENT       | N(3)                                   | Percent of the log which is hollow                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| HUMUS_DEPTH          | N(6,3)                                 | Depth of the humus layer. Stored in inches.                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| LENGTH               | N(6,3)                                 | Measure of the greatest dimension of a down woody piece. Stored in feet.                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| LITTER_1             | N(6,3)                                 | First layer of litter.                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| LITTER_2             | N(6,3)                                 | Second layer of litter.                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| MAPCOND_CN           | VC(34)                                 | Foreign key to Nrv_fia_mapped_conditions.                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| MODIFIED_BY          | VC(30)                                 | The name of the person who modified the record.                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| MODIFIED_DATE        | DATE                                   | The date the record was modified.                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| MODIFIED_IN_INSTANCE | N(6)                                   | The database ID where the record was modified.                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| NO_OF_PIECES         | N(3)                                   | Number of like individuals (e.g. number of pieces in a size class).                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_AZIMUTH         | N(3)                                   | Azimuth from plot center to a pile of down woody material.                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_DENSITY         | N(3)                                   | The percent of the pile that consists of wood. Things like air, soil, rock, and plants should be factored out of the estimate. Estimate to the nearest ten percent.                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_HEIGHT_1        | N(5,2)                                 | Height of one end of the pile. Estimated to the nearest foot.                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_HEIGHT_2        | N(5,2)                                 | Height of one end of the pile. Estimated to the nearest foot.                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_LENGTH_1        | N(5,2)                                 | Length of one side of the pile. Estimated to the nearest foot.                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_LENGTH_2        | N(5,2)                                 | Length of one side of the pile. Estimated to the nearest foot.                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_SHAPE           | VC(1)                                  | Record a 1-digit code indicating the shape of the pile. The four shapes are shown in Figure 14-14 of the P3 Field Manual. This code will either be 1, 2, 3, or 4.                                                                                                                                                                                                                                           |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_WIDTH_1         | N(5,2)                                 | Width of one side of the pile. Estimated to the nearest foot.                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| PILE_WIDTH_2         | N(5,2)                                 | Width of one side of the pile. Estimated to the nearest foot.                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| RESIDUE_PILE         | VC(1)                                  | PNW fuels down woody debris variable that indicates whether a residue pile intersects the fine woody debris transect segment. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>Y</td><td>Yes, it intersects the transect</td><td>FIA</td></tr> <tr> <td></td><td>No, it does not intersect the transect</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | Y | Yes, it intersects the transect | FIA |   | No, it does not intersect the transect | FIA |   |        |     |   |      |     |
| Code                 | Description                            | Use                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| Y                    | Yes, it intersects the transect        | FIA                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
|                      | No, it does not intersect the transect | FIA                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| ROW_ACCESS_CODE      | VC(6)                                  | Control field to support row level access.                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| SELCRIT_CN           | VC(34)                                 | Foreign key to Nrv_selection_criteria.                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| SLOPE_DISTANCE       | N(6,3)                                 | The slope distance, from the subplot center to the point where the transect intersects the longitudinal center of the piece.                                                                                                                                                                                                                                                                                |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| SLOPE_ORIENTATION    | VC(1)                                  | The orientation of the piece on the slope. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>H</td><td>Horizontal</td><td>FIA</td></tr> <tr> <td>V</td><td>Vertical</td><td>FIA</td></tr> <tr> <td>A</td><td>Across</td><td>FIA</td></tr> <tr> <td>F</td><td>Flat</td><td>FIA</td></tr> </tbody> </table>                                        | Code | Description | Use | H | Horizontal                      | FIA | V | Vertical                               | FIA | A | Across | FIA | F | Flat | FIA |
| Code                 | Description                            | Use                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| H                    | Horizontal                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| V                    | Vertical                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| A                    | Across                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |
| F                    | Flat                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                 |     |   |                                        |     |   |        |     |   |      |     |

**NRV\_DOWN\_WOODY\_MEASUREMENTS (cont.)**

| Name           | Size    | Description                                                                                                                                                             |
|----------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPECIES_SYMBOL | VC(8)   | The NRCS PLANTS code of the species represented by this record. For example, PSME = <i>Pseudotsuga menziesii</i> . Constrained by values in the appropriate TAXA table. |
| SUBGROUP_CODE  | VC(4)   | A 'sub-stratification' of the major sample unit, used to categorize down woody records, within the setting, into different conditions.                                  |
| SUBSAMPLE      | VC(2)   | Subsample number.                                                                                                                                                       |
| TAG_ID         | VC(5)   | Unique number physically attached or assigned to a down log.                                                                                                            |
| VOLUME         | N(10,3) | Estimated total wood volume contained in a pre-defined size class. This field is not intended to store calculated data. Stored in cubic feet per acre.                  |
| WEIGHT         | N(8,3)  | Estimated mass of a pre-defined size class. This field is not intended to store calculated data. Stored in tons per acre.                                               |

**NRV\_FIA\_CONDITION\_PROPORTIONS**

This table contains mapped condition proportions by sample type and mapped condition.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                 |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                                                                                                                                 |
| MAPCOND_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_fia_mapped_conditions.                                                                                                                                                            |
| SETMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_setting_measurements.                                                                                                                                                             |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| MODIFIED_BY                            | VC(30) | The name of the person who last modified the record.                                                                                                                                                 |
| MODIFIED_DATE                          | DATE   | The date the record was last modified.                                                                                                                                                               |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database server ID where the record was last modified.                                                                                                                                           |
| PREV_MAPCOND_CN                        | VC(34) | Foreign key to NRV_FIA_MAPPED_CONDITIONS.CN identifying the condition of previous measurement.                                                                                                       |
| PROPORTION                             | N(5,4) | Proportion of the cluster plot, subplot, macro plot, annular plot, or hectare plot in a specific mapped condition. Valid values are 0.000 to 1.000.                                                  |

**NRV\_FIA\_CONDITION\_PROPORTIONS (cont.)**

| Name             | Size                                                                                                                                                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|-------------------------------------------------------------------------|-----|-------|-------------------------------------------------------------------------|-----|-------|-------------------------------------------------------------------------|-----|---------|-------------------------------------------------------------------------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| PROPORTION_BASIS | VC(12)                                                                                                                                                                        | Proportion basis: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>SUB</td><td>Sub-plot</td><td>FIA</td></tr> <tr> <td>MACRO</td><td>Macro-plot</td><td>FIA</td></tr> <tr> <td>MICRO</td><td>Micro-plot</td><td>FIA</td></tr> <tr> <td>HECTARE</td><td>Hectare plot</td><td>FIA</td></tr> <tr> <td>CLUSTER</td><td>Cluster plot</td><td>FIA</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                              | Code | Description | Use | SUB | Sub-plot                                                                | FIA | MACRO | Macro-plot                                                              | FIA | MICRO | Micro-plot                                                              | FIA | HECTARE | Hectare plot                                                            | FIA | CLUSTER | Cluster plot                                                                                                                                                                  | FIA |
| Code             | Description                                                                                                                                                                   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| SUB              | Sub-plot                                                                                                                                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| MACRO            | Macro-plot                                                                                                                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| MICRO            | Micro-plot                                                                                                                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| HECTARE          | Hectare plot                                                                                                                                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| CLUSTER          | Cluster plot                                                                                                                                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| PROPORTION_TYPE  | VC(6)                                                                                                                                                                         | The type of proportion reported: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>ALL</td><td>See FIADB user's guide version 1.7 or greater for a complete definition</td><td>FIA</td></tr> <tr> <td>CHNG</td><td>See FIADB user's guide version 1.7 or greater for a complete definition</td><td>FIA</td></tr> <tr> <td>CURR</td><td>See FIADB user's guide version 1.7 or greater for a complete definition</td><td>FIA</td></tr> <tr> <td>UNADJ</td><td>See FIADB user's guide version 1.7 or greater for a complete definition</td><td>FIA</td></tr> <tr> <td>SPEC</td><td>Special. This value is used only in special cases where other values fail to accurately describe the proportion type. Currently not defined in FIADB user's guide version 1.7</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | ALL | See FIADB user's guide version 1.7 or greater for a complete definition | FIA | CHNG  | See FIADB user's guide version 1.7 or greater for a complete definition | FIA | CURR  | See FIADB user's guide version 1.7 or greater for a complete definition | FIA | UNADJ   | See FIADB user's guide version 1.7 or greater for a complete definition | FIA | SPEC    | Special. This value is used only in special cases where other values fail to accurately describe the proportion type. Currently not defined in FIADB user's guide version 1.7 | FIA |
| Code             | Description                                                                                                                                                                   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| ALL              | See FIADB user's guide version 1.7 or greater for a complete definition                                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| CHNG             | See FIADB user's guide version 1.7 or greater for a complete definition                                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| CURR             | See FIADB user's guide version 1.7 or greater for a complete definition                                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| UNADJ            | See FIADB user's guide version 1.7 or greater for a complete definition                                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| SPEC             | Special. This value is used only in special cases where other values fail to accurately describe the proportion type. Currently not defined in FIADB user's guide version 1.7 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |
| SUBTYP_PROP_CHNG | N(5,4)                                                                                                                                                                        | Proportion change of subplot condition between previous to current inventory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |     |                                                                         |     |       |                                                                         |     |       |                                                                         |     |         |                                                                         |     |         |                                                                                                                                                                               |     |

**NRV\_FIA\_DWM\_CALCS**

This table contains the Forest Inventory and Analysis down woody measurement calculations.

| Name                          | Size   | Description                                                                          |
|-------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>         | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| DWM_CN<br><i>Required</i>     | VC(34) | Foreign key to Nrv_down_woody_measurements                                           |
| CREATED_BY<br><i>Required</i> | VC(30) | The name of the person who created the record.                                       |

**NRV\_FIA\_DWM\_CALCS (cont.)**

| Name                            | Size   | Description                                                                                                                                                                                          |
|---------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CREATED_DATE<br><i>Required</i> | DATE   | The date the record was created.                                                                                                                                                                     |
| VPDUNIT_ID<br><i>Required</i>   | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| BIOMASS_POUNDS_TRAN             | NUMBER | Value that when divided by transect length will produce biomass in pounds per acre                                                                                                                   |
| CARBON                          | NUMBER | Logs/Piles carbon weight in pounds                                                                                                                                                                   |
| CARBON_POUNDS_TRAN              | NUMBER | Value that when divided by transect length will produce carbon in pounds per acre                                                                                                                    |
| CUBIC_FEET_TRAN                 | NUMBER | Value that when divided by transect length will produce cubic feet per acre                                                                                                                          |
| DESIGN_TYPE                     | VC(2)  | Identifies P2 or P3 plot design                                                                                                                                                                      |
| DRYBIOT                         | NUMBER | Logs/Piles dry weight in pounds                                                                                                                                                                      |
| LOG_COVER_PCT                   | NUMBER | Percent cover represented by each log                                                                                                                                                                |
| MODIFIED_BY                     | VC(30) | The name of the person who last modified the record.                                                                                                                                                 |
| MODIFIED_DATE                   | DATE   | The date the record was last modified.                                                                                                                                                               |
| PER_ACRE_COND                   | NUMBER | Logs/Piles per acre based on condition transect length actually measured                                                                                                                             |
| PER_ACRE_PLOT                   | NUMBER | Logs/Piles per acre based on plot transect length actually measured                                                                                                                                  |
| PER_ACRE_UNADJ                  | NUMBER | Logs/Piles per acre based on target plot transect length                                                                                                                                             |
| TRANSECT_LENGTH_COND            | NUMBER | Sum of transect lengths in condition                                                                                                                                                                 |
| TRANSECT_LENGTH_PLOT            | NUMBER | Sum of transect lengths in measured and nonforest conditions on plot                                                                                                                                 |
| TRANSECT_LENGTH_UNADJ           | NUMBER | Sum of transect lengths in all conditions including unmeasured on target plot design                                                                                                                 |
| VOLCFGRS                        | NUMBER | Logs/Piles Cubic foot volume                                                                                                                                                                         |

**NRV\_FIA\_MAPPED\_CONDITIONS**

This table contains columns describing FIA mapped conditions.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                 |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                                                                                                                                 |
| SETMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_setting_measurements.                                                                                                                                                             |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name                     | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ARTIFICIAL_REGEN_SPECIES | VC(8)   | The NRCS species symbol of the predominant tree species for which evidence exists of artificial regeneration in the stand.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ASPECT                   | N(3)    | The azimuth indicating the direction of slope for the land surface of the condition class. The direction in degrees from magnetic north of drainage for most of the condition, recorded as the azimuth of this direction. North is recorded as 360. When slope is zero, there is no aspect and this item is set to zero. Before 2000, the field crew measured condition aspect. Beginning in 2000, aspect is collected on subplots but no longer collected for conditions. For plots taken after 2000, the aspect from the subplot representing the greatest percentage of the condition will be assigned as a surrogate. |
| CANOPY_CLOSURE           | N(3)    | The percentage of crown cover, to the nearest 1 percent of all tally tree species greater than 1.0" DBH/DRC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CARBON_DOWN_DEAD         | N(13,6) | Carbon in down dead. Carbon mass (tons per acre) of woody material on the ground larger than 3 inches in diameter as well as stumps and their roots greater than 3 inches. Estimated from models based on region, forest type and live tree carbon density (Smith and Heath 2008). Down woody material (DWM) data collected in some FIA inventories were not included in this estimate.                                                                                                                                                                                                                                   |
| CARBON_LITTER            | N(13,6) | Carbon in litter. Carbon mass (tons per acre) of organic material on the floor of the forest, including fine woody debris, humus, and fine roots in the organic forest floor layer above mineral soil. Estimated from models based on region, forest type and stand age (Smith and Heath 2002). Litter data collected in some FIA inventories were not included in this estimate.                                                                                                                                                                                                                                         |
| CARBON_SOIL_ORG          | N(13,6) | Carbon in organic soil. Carbon mass (tons per acre) in fine organic material below the soil surface to a depth of 1 meter. Does not include roots. Estimated from models based on region and forest type (Smith and Heath 2008). Soil data collected in some FIA inventories were not included in this estimate.                                                                                                                                                                                                                                                                                                          |
| CARBON_STANDING_DEAD     | N(13,6) | Carbon in standing dead. For the periodic inventories, carbon mass (tons per acre) in standing dead trees, including coarse roots is estimated from models based on forest type and live tree carbon (this also applies to all estimates for 1 to 5 inch trees) (Jenkins and others 2003, Smith and Heath in preparation). This field is blank (null) for annual inventories where individual-tree data are available. For annual inventories carbon density (tons per acre) can be calculated using tree-level data.                                                                                                     |
| CARBON_UNDERSTORY_AG     | N(13,6) | Carbon in understory aboveground. Carbon mass (tons per acre) in the aboveground portions of seedlings, shrubs, and bushes. Estimated from models based on region, forest type and live tree carbon density (Smith and Heath 2008).                                                                                                                                                                                                                                                                                                                                                                                       |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name                    | Size                                                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
|-------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------------------------------------------------------------|-----|---|---------------------|-----|---|------------------|-----|---|--------------|-----|---|------------|-----|
| CARBON_UNDERSTORY_BG    | N(13,6)                                                               | Carbon in understory belowground. Carbon mass (tons per acre) in the belowground portions of seedlings, shrubs, and bushes. Estimated from models based on region, forest type and live tree carbon density (Smith and Heath 2008).                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| CONDITION_DESCRIPTION   | VC(80)                                                                | Describes the mapped condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| CONDITION_ID            | N(2)                                                                  | On a plot, this is a unique identifying number for each condition class. At the time of the plot establishment, the condition class at plot center (the center of subplot 1) is designated condition class 1. Other condition classes are assigned numbers sequentially at the time each condition class is delineated. Owner class and land class define the condition. Differences in broad forest type, stand size, stand origin, and stand density further define condition for forestland. |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| CONDITION_ID_PREVIOUS   | N(5)                                                                  | The condition within the plot on which this condition occurred at the previous inventory.                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| CONDITION_STATUS        | VC(2)                                                                 | <p>The status of the condition.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Accessible forest land</td><td>FIA</td></tr> <tr> <td>2</td><td>Non-forest land</td><td>FIA</td></tr> <tr> <td>3</td><td>Non-census water</td><td>FIA</td></tr> <tr> <td>4</td><td>Census water</td><td>FIA</td></tr> <tr> <td>5</td><td>Nonsampled</td><td>FIA</td></tr> </tbody> </table>                                          | Code | Description | Use | 1 | Accessible forest land                                                | FIA | 2 | Non-forest land     | FIA | 3 | Non-census water | FIA | 4 | Census water | FIA | 5 | Nonsampled | FIA |
| Code                    | Description                                                           | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| 1                       | Accessible forest land                                                | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| 2                       | Non-forest land                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| 3                       | Non-census water                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| 4                       | Census water                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| 5                       | Nonsampled                                                            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| CONDITION_STATUS_CHANGE | VC(1)                                                                 | This is a RMRS variable. See RMRS Field manual for a definition of the four valid codes: 1, 2, 3, and 4.                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| DAMAGE_INDEX            | N(5,2)                                                                | Number from 0 to 100 indicating the relative tree damage for the condition (Suggested by Manfred Mielke 11/20/2001. Manfred has provided the SAS code for generating this value).                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| EVIDENCE_OF_FIRE        | VC(1)                                                                 | <p>This is a PNW variable.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>Y</td><td>The condition class has evidence of a past or present fire occurrence</td><td>PNW</td></tr> <tr> <td>N</td><td>No evidence of fire</td><td>PNW</td></tr> </tbody> </table>                                                                                                                                                                | Code | Description | Use | Y | The condition class has evidence of a past or present fire occurrence | PNW | N | No evidence of fire | PNW |   |                  |     |   |              |     |   |            |     |
| Code                    | Description                                                           | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| Y                       | The condition class has evidence of a past or present fire occurrence | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| N                       | No evidence of fire                                                   | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| EV_CODE                 | VC(10)                                                                | The forest type assigned by the field crew (from Appendix D of the FIADB Users Manual Version 1.0) that best describes the species with the plurality of stocking for all live trees in the condition class that are not overtopped.                                                                                                                                                                                                                                                            |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| EV_CODE_CALC            | VC(10)                                                                | <b>Computed.</b> Forest type using the FIA algorithm                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |
| EV_REF_CODE             | VC(10)                                                                | Always set to 'FIADB'                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                       |     |   |                     |     |   |                  |     |   |              |     |   |            |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name           | Size                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
|----------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|---------------------------------------------------|-----|-----|--------------------|-----|-----|------------------------------|-----|-----|-----------------------------|-----|-----|------------------|-----|-----|------------------------|-----|-----|--------------------------------|-----|-----|----------------------|-----|-----|-------------------------------|-----|-----|------------------------------------------|-----|-----|----------|-----|-----|------------------|-----|-----|--------------------|-----|-----|----------|-----|-----|-------|-----|-----|------------------------------|-----|-----|-------|-----|-----|-------------------------|-----|-----|----------------------|-----|-----|-------|-----|
| FIA_LAND_CLASS | VC(3)                                             | <p>This is a PNW variable.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr><td>120</td><td>Timberland</td><td>PNW</td></tr> <tr><td>141</td><td>Other forest-rocky</td><td>PNW</td></tr> <tr><td>142</td><td>Other forest-unsuitable site</td><td>PNW</td></tr> <tr><td>143</td><td>Other forest-pinion-juniper</td><td>PNW</td></tr> <tr><td>144</td><td>Other forest-oak</td><td>PNW</td></tr> <tr><td>145</td><td>Other forest chaparral</td><td>PNW</td></tr> <tr><td>146</td><td>Other forest - unsuitable site</td><td>PNW</td></tr> <tr><td>148</td><td>Other forest cypress</td><td>PNW</td></tr> <tr><td>149</td><td>Other forest low productivity</td><td>PNW</td></tr> <tr><td>150</td><td>Other forest - curleaf mountain mahogany</td><td>PNW</td></tr> <tr><td>161</td><td>Cropland</td><td>PNW</td></tr> <tr><td>162</td><td>Improved pasture</td><td>PNW</td></tr> <tr><td>163</td><td>Natural range land</td><td>PNW</td></tr> <tr><td>164</td><td>Farmland</td><td>PNW</td></tr> <tr><td>165</td><td>Marsh</td><td>PNW</td></tr> <tr><td>166</td><td>Cultural non-forest stringer</td><td>PNW</td></tr> <tr><td>167</td><td>Urban</td><td>PNW</td></tr> <tr><td>168</td><td>Naturally non-vegetated</td><td>PNW</td></tr> <tr><td>169</td><td>Christmas tree lands</td><td>PNW</td></tr> <tr><td>192</td><td>Water</td><td>PNW</td></tr> </table> | Code | Description | Use | 120 | Timberland                                        | PNW | 141 | Other forest-rocky | PNW | 142 | Other forest-unsuitable site | PNW | 143 | Other forest-pinion-juniper | PNW | 144 | Other forest-oak | PNW | 145 | Other forest chaparral | PNW | 146 | Other forest - unsuitable site | PNW | 148 | Other forest cypress | PNW | 149 | Other forest low productivity | PNW | 150 | Other forest - curleaf mountain mahogany | PNW | 161 | Cropland | PNW | 162 | Improved pasture | PNW | 163 | Natural range land | PNW | 164 | Farmland | PNW | 165 | Marsh | PNW | 166 | Cultural non-forest stringer | PNW | 167 | Urban | PNW | 168 | Naturally non-vegetated | PNW | 169 | Christmas tree lands | PNW | 192 | Water | PNW |
| Code           | Description                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 120            | Timberland                                        | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 141            | Other forest-rocky                                | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 142            | Other forest-unsuitable site                      | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 143            | Other forest-pinion-juniper                       | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 144            | Other forest-oak                                  | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 145            | Other forest chaparral                            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 146            | Other forest - unsuitable site                    | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 148            | Other forest cypress                              | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 149            | Other forest low productivity                     | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 150            | Other forest - curleaf mountain mahogany          | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 161            | Cropland                                          | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 162            | Improved pasture                                  | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 163            | Natural range land                                | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 164            | Farmland                                          | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 165            | Marsh                                             | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 166            | Cultural non-forest stringer                      | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 167            | Urban                                             | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 168            | Naturally non-vegetated                           | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 169            | Christmas tree lands                              | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 192            | Water                                             | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| FOREST_ADMIN   | VC(2)                                             | Administrative forest code. Identifies the administrative unit (Forest Service Region and National Forest) in which the condition is located. If the Forest Service does not administer the land the value is set to -1 (See Appendix E of the FIADB Users Manual for complete list of codes).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| GROWING_STOCK  | N(7,4)                                            | Stocking, in percent, of the condition by growing stock trees, including seedlings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| HAZARD_STATUS  | VC(1)                                             | <p>This is a RMRS variable that describes why the condition is considered hazardous.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr><td>0</td><td>Physical restrictions (cliffs, bears, bees, etc.)</td><td>RMS</td></tr> <tr><td>1</td><td>Time constraints</td><td>RMS</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Code | Description | Use | 0   | Physical restrictions (cliffs, bears, bees, etc.) | RMS | 1   | Time constraints   | RMS |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| Code           | Description                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 0              | Physical restrictions (cliffs, bears, bees, etc.) | RMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |
| 1              | Time constraints                                  | RMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                                                   |     |     |                    |     |     |                              |     |     |                             |     |     |                  |     |     |                        |     |     |                                |     |     |                      |     |     |                               |     |     |                                          |     |     |          |     |     |                  |     |     |                    |     |     |          |     |     |       |     |     |                              |     |     |       |     |     |                         |     |     |                      |     |     |       |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name                 | Size                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
|----------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------------------------------------------------------------------|-----|---|---------------------------------------------------------------|-----|---|---------------------|-----|---|-----------------|-----|---|-------------------|-----|---|-----------|-----|---|------------------------|-----|---|---------------|-----|---|-------------------------|-----|----|-------|-----|----|-------|-----|
| INDUSTRIAL_STATUS    | VC(1)                                                               | <p>The status of the owner with regard to being considered industrial as determined by whether or not they own and operate a primary wood processing plant.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>Land is not owned by industrial owner with a wood processing plant.</td><td>FIA</td></tr> <tr> <td>1</td><td>Land is owned by industrial owner with wood processing plant.</td><td>FIA</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Code | Description | Use | 0 | Land is not owned by industrial owner with a wood processing plant. | FIA | 1 | Land is owned by industrial owner with wood processing plant. | FIA |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| Code                 | Description                                                         | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 0                    | Land is not owned by industrial owner with a wood processing plant. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 1                    | Land is owned by industrial owner with wood processing plant.       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| LIVE_BASAL_AREA      | N(9,4)                                                              | Basal area of all live trees. Basal area in square-feet of all live trees over 1 inch DBH.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| LIVE_STOCKING        | N(7,4)                                                              | All live stocking code. Stocking, in percent, of the condition by live trees including seedlings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MIXED_CONIFER_SITE   | VC(1)                                                               | This is a PNW variable. Record a 1-digit code indicating if the condition is a mixed conifer site. To classify as a mixed conifer site the condition class must be capable of being stocked with greater than 70% conifers and one of the following must be true: the PNW Field Manual then goes on to describe four specific conditions on page 90.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MODIFIED_BY          | VC(30)                                                              | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MODIFIED_DATE        | DATE                                                                | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MODIFIED_IN_INSTANCE | N(6)                                                                | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| NFS_STRATUM          | VC(10)                                                              | A vegetation stratification system usually involving the delineation of land by homogenous combinations of vegetation, density, size class and structure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| NONFOREST_YEAR       | N(4)                                                                | An estimate of the year that a previously forested condition was converted to a non-forest condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| NONSAMPLED_REASON    | VC(2)                                                               | <p>For conditions that cannot be sampled, and are wholly or partially within the FIA sampling population, record one of the following reasons (collected when NRV_FIA_MAPPED_CONDITIONS.CONDITIONS_STATUS = 5).</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Outside U.S. boundary</td><td>FIA</td></tr> <tr> <td>2</td><td>Denied access area</td><td>FIA</td></tr> <tr> <td>3</td><td>Hazardous situation</td><td>FIA</td></tr> <tr> <td>4</td><td>Time limitation</td><td>FIA</td></tr> <tr> <td>5</td><td>Botched data file</td><td>FIA</td></tr> <tr> <td>6</td><td>Plot lost</td><td>FIA</td></tr> <tr> <td>7</td><td>Plot in wrong location</td><td>FIA</td></tr> <tr> <td>8</td><td>Skipped visit</td><td>FIA</td></tr> <tr> <td>9</td><td>Dropped intensification</td><td>FIA</td></tr> <tr> <td>10</td><td>Other</td><td>FIA</td></tr> <tr> <td>11</td><td>Ocean</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 1 | Outside U.S. boundary                                               | FIA | 2 | Denied access area                                            | FIA | 3 | Hazardous situation | FIA | 4 | Time limitation | FIA | 5 | Botched data file | FIA | 6 | Plot lost | FIA | 7 | Plot in wrong location | FIA | 8 | Skipped visit | FIA | 9 | Dropped intensification | FIA | 10 | Other | FIA | 11 | Ocean | FIA |
| Code                 | Description                                                         | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 1                    | Outside U.S. boundary                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 2                    | Denied access area                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 3                    | Hazardous situation                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 4                    | Time limitation                                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 5                    | Botched data file                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 6                    | Plot lost                                                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 7                    | Plot in wrong location                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 8                    | Skipped visit                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 9                    | Dropped intensification                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 10                   | Other                                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 11                   | Ocean                                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                     |     |   |                                                               |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name                    | Size                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
|-------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-------------------|-----|----|---------------|-----|----|-----------------------------------------------|-----|----|---------------|-----|----|---------|-----|----|---------------------------|-----|----|-----------|-----|----|-----------|-----|----|----------------------------------------------------------------|-----|----|----------------------------------------------------|-----|----|-----------------------------------------|-----|----|---------------------------------------------------------|-----|----|-------------|-----|----|--------------|-----|----|---------------|-----|----|-----------|-----|----|---------------|-----|
| NONSTOCKED_EV_CODE      | VC(10)                                                         | This is a RMRS variable. Nonstocked Forest Type. Record the forest type that best describes the past forest type when forest type is coded 999.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| OWNER                   | VC(4)                                                          | Record the owner class that best corresponds to the ownership (or the managing agency for public lands) of the land in the condition class. This column is constrained by the codes in <i>Nrv_owner_agency_codes</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| OWNER_GROUP             | VC(2)                                                          | <p>The owner group code identifying the ownership (or the managing Agency for public lands) of the land in the condition class.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Forest Service</td><td>FIA</td></tr> <tr> <td>2</td><td>Other Federal</td><td>FIA</td></tr> <tr> <td>3</td><td>State and Local Government</td><td>FIA</td></tr> <tr> <td>4</td><td>Private</td><td>FIA</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Code | Description | Use | 1  | Forest Service    | FIA | 2  | Other Federal | FIA | 3  | State and Local Government                    | FIA | 4  | Private       | FIA |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| Code                    | Description                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 1                       | Forest Service                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 2                       | Other Federal                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 3                       | State and Local Government                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 4                       | Private                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| PAST_NONFOREST_LAND_USE | VC(2)                                                          | <p>Past nonforest/inaccessible land use code. For conditions classified as nonforest or inaccessible during the previous inventory but classified as accessible forestland during current inventory. Indicates the kind of land use occurring at the previous inventory.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>10</td><td>Agricultural land</td><td>FIA</td></tr> <tr> <td>11</td><td>Cropland</td><td>FIA</td></tr> <tr> <td>12</td><td>Pasture (improved through cultural practices)</td><td>FIA</td></tr> <tr> <td>13</td><td>Idle farmland</td><td>FIA</td></tr> <tr> <td>14</td><td>Orchard</td><td>FIA</td></tr> <tr> <td>15</td><td>Christmas tree plantation</td><td>FIA</td></tr> <tr> <td>20</td><td>Rangeland</td><td>FIA</td></tr> <tr> <td>30</td><td>Developed</td><td>FIA</td></tr> <tr> <td>31</td><td>Cultural (business, residential, other intense human activity)</td><td>FIA</td></tr> <tr> <td>32</td><td>Rights-of-way (improved road, railway, power line)</td><td>FIA</td></tr> <tr> <td>33</td><td>Recreation (park, golf course, ski run)</td><td>FIA</td></tr> <tr> <td>40</td><td>Other (undeveloped beach, marsh, bog, non-census water)</td><td>FIA</td></tr> <tr> <td>90</td><td>Not sampled</td><td>FIA</td></tr> <tr> <td>91</td><td>Census water</td><td>FIA</td></tr> <tr> <td>92</td><td>Denied access</td><td>FIA</td></tr> <tr> <td>93</td><td>Hazardous</td><td>FIA</td></tr> <tr> <td>94</td><td>Not in sample</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 10 | Agricultural land | FIA | 11 | Cropland      | FIA | 12 | Pasture (improved through cultural practices) | FIA | 13 | Idle farmland | FIA | 14 | Orchard | FIA | 15 | Christmas tree plantation | FIA | 20 | Rangeland | FIA | 30 | Developed | FIA | 31 | Cultural (business, residential, other intense human activity) | FIA | 32 | Rights-of-way (improved road, railway, power line) | FIA | 33 | Recreation (park, golf course, ski run) | FIA | 40 | Other (undeveloped beach, marsh, bog, non-census water) | FIA | 90 | Not sampled | FIA | 91 | Census water | FIA | 92 | Denied access | FIA | 93 | Hazardous | FIA | 94 | Not in sample | FIA |
| Code                    | Description                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 10                      | Agricultural land                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 11                      | Cropland                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 12                      | Pasture (improved through cultural practices)                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 13                      | Idle farmland                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 14                      | Orchard                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 15                      | Christmas tree plantation                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 20                      | Rangeland                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 30                      | Developed                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 31                      | Cultural (business, residential, other intense human activity) | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 32                      | Rights-of-way (improved road, railway, power line)             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 33                      | Recreation (park, golf course, ski run)                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 40                      | Other (undeveloped beach, marsh, bog, non-census water)        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 90                      | Not sampled                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 91                      | Census water                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 92                      | Denied access                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 93                      | Hazardous                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 94                      | Not in sample                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |     |    |               |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name                | Size                                                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
|---------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-----------------------|-----|----|---------------------------|-----|----|---------------------------|-----|----|-----------------------------|-----|----|----------------------------|-----|----|----------|-----|----|-----------------------------|-----|----|-------------|-----|----|--------------------------------|-----|----|------------|-----|----|------------------|-----|----|--------------------------------|-----|----|--------|-----|----|----------------------------------------------------------------------------------|-----|----|----------------------------------------------------------------------------------------------|-----|----|-----------------------------|-----|
| PHYSIOGRAPHIC_CLASS | VC(3)                                                                                        | Foreign key to Nrv_physiographic_classes. The physiographic class of the subplot: landform, topographic position, and soil generally determine the physiographic class. Detailed definitions can be found in PNW Field Guide pg. 43-44.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| PRESENT_LAND_USE    | VC(2)                                                                                        | <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr><td>11</td><td>Undeveloped tree land</td><td>FIA</td></tr> <tr><td>12</td><td>Developed rural tree land</td><td>FIA</td></tr> <tr><td>13</td><td>Developed urban tree land</td><td>FIA</td></tr> <tr><td>21</td><td>Non-sampled urban tree land</td><td>FIA</td></tr> <tr><td>22</td><td>Christmas tree plantations</td><td>FIA</td></tr> <tr><td>23</td><td>Orchards</td><td>FIA</td></tr> <tr><td>25</td><td>Other non-sampled tree land</td><td>FIA</td></tr> <tr><td>61</td><td>Shrub cover</td><td>FIA</td></tr> <tr><td>62</td><td>Natural herbaceous/grass cover</td><td>FIA</td></tr> <tr><td>63</td><td>Crop cover</td><td>FIA</td></tr> <tr><td>64</td><td>Improved pasture</td><td>FIA</td></tr> <tr><td>65</td><td>Natural crest or alpine tundra</td><td>FIA</td></tr> <tr><td>66</td><td>Barren</td><td>FIA</td></tr> <tr><td>71</td><td>Cultural developments - sheds, yards, barns, pump-houses, trailers, houses, etc.</td><td>FIA</td></tr> <tr><td>72</td><td>Maintained roads and rights-of-way, improved roads, railroads, power lines, pipe lines, etc.</td><td>FIA</td></tr> <tr><td>73</td><td>Other non-tree land (urban)</td><td>FIA</td></tr> </table> | Code | Description | Use | 11 | Undeveloped tree land | FIA | 12 | Developed rural tree land | FIA | 13 | Developed urban tree land | FIA | 21 | Non-sampled urban tree land | FIA | 22 | Christmas tree plantations | FIA | 23 | Orchards | FIA | 25 | Other non-sampled tree land | FIA | 61 | Shrub cover | FIA | 62 | Natural herbaceous/grass cover | FIA | 63 | Crop cover | FIA | 64 | Improved pasture | FIA | 65 | Natural crest or alpine tundra | FIA | 66 | Barren | FIA | 71 | Cultural developments - sheds, yards, barns, pump-houses, trailers, houses, etc. | FIA | 72 | Maintained roads and rights-of-way, improved roads, railroads, power lines, pipe lines, etc. | FIA | 73 | Other non-tree land (urban) | FIA |
| Code                | Description                                                                                  | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 11                  | Undeveloped tree land                                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 12                  | Developed rural tree land                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 13                  | Developed urban tree land                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 21                  | Non-sampled urban tree land                                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 22                  | Christmas tree plantations                                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 23                  | Orchards                                                                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 25                  | Other non-sampled tree land                                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 61                  | Shrub cover                                                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 62                  | Natural herbaceous/grass cover                                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 63                  | Crop cover                                                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 64                  | Improved pasture                                                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 65                  | Natural crest or alpine tundra                                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 66                  | Barren                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 71                  | Cultural developments - sheds, yards, barns, pump-houses, trailers, houses, etc.             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 72                  | Maintained roads and rights-of-way, improved roads, railroads, power lines, pipe lines, etc. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |
| 73                  | Other non-tree land (urban)                                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                       |     |    |                           |     |    |                           |     |    |                             |     |    |                            |     |    |          |     |    |                             |     |    |             |     |    |                                |     |    |            |     |    |                  |     |    |                                |     |    |        |     |    |                                                                                  |     |    |                                                                                              |     |    |                             |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name                       | Size                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
|----------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-------------------|-----|----|----------|-----|----|-----------------------------------------------|-----|----|---------------|-----|----|---------|-----|----|---------------------------|-----|----|-----------|-----|----|-----------|-----|----|----------------------------------------------------------------|-----|----|----------------------------------------------------|-----|----|-----------------------------------------|-----|----|---------------------------------------------------------|-----|----|-------------|-----|----|--------------|-----|----|---------------|-----|----|-----------|-----|----|---------------|-----|
| PRESENT_NONFOREST_LAND_USE | VC(2)                                                          | <p>Present non-forest/inaccessible land use code. For conditions classified as nonforest or inaccessible during the previous inventory but classified as accessible forestland during current inventory. Indicates the kind of land use occurring at the previous inventory.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr><td>10</td><td>Agricultural land</td><td>FIA</td></tr> <tr><td>11</td><td>Cropland</td><td>FIA</td></tr> <tr><td>12</td><td>Pasture (improved through cultural practices)</td><td>FIA</td></tr> <tr><td>13</td><td>Idle farmland</td><td>FIA</td></tr> <tr><td>14</td><td>Orchard</td><td>FIA</td></tr> <tr><td>15</td><td>Christmas tree plantation</td><td>FIA</td></tr> <tr><td>20</td><td>Rangeland</td><td>FIA</td></tr> <tr><td>30</td><td>Developed</td><td>FIA</td></tr> <tr><td>31</td><td>Cultural (business, residential, other intense human activity)</td><td>FIA</td></tr> <tr><td>32</td><td>Rights-of-way (improved road, railway, power line)</td><td>FIA</td></tr> <tr><td>33</td><td>Recreation (park, golf course, ski run)</td><td>FIA</td></tr> <tr><td>40</td><td>Other (undeveloped beach, marsh, bog, non-census water)</td><td>FIA</td></tr> <tr><td>90</td><td>Not sampled</td><td>FIA</td></tr> <tr><td>91</td><td>Census water</td><td>FIA</td></tr> <tr><td>92</td><td>Denied access</td><td>FIA</td></tr> <tr><td>93</td><td>Hazardous</td><td>FIA</td></tr> <tr><td>94</td><td>Not in sample</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 10 | Agricultural land | FIA | 11 | Cropland | FIA | 12 | Pasture (improved through cultural practices) | FIA | 13 | Idle farmland | FIA | 14 | Orchard | FIA | 15 | Christmas tree plantation | FIA | 20 | Rangeland | FIA | 30 | Developed | FIA | 31 | Cultural (business, residential, other intense human activity) | FIA | 32 | Rights-of-way (improved road, railway, power line) | FIA | 33 | Recreation (park, golf course, ski run) | FIA | 40 | Other (undeveloped beach, marsh, bog, non-census water) | FIA | 90 | Not sampled | FIA | 91 | Census water | FIA | 92 | Denied access | FIA | 93 | Hazardous | FIA | 94 | Not in sample | FIA |
| Code                       | Description                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 10                         | Agricultural land                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 11                         | Cropland                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 12                         | Pasture (improved through cultural practices)                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 13                         | Idle farmland                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 14                         | Orchard                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 15                         | Christmas tree plantation                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 20                         | Rangeland                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 30                         | Developed                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 31                         | Cultural (business, residential, other intense human activity) | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 32                         | Rights-of-way (improved road, railway, power line)             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 33                         | Recreation (park, golf course, ski run)                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 40                         | Other (undeveloped beach, marsh, bog, non-census water)        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 90                         | Not sampled                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 91                         | Census water                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 92                         | Denied access                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 93                         | Hazardous                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| 94                         | Not in sample                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| PV_CODE                    | VC(10)                                                         | Potential vegetation for this condition. A partial list of codes is located in Nrv_pv_cover_types. This column is not constrained by this set of codes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| PV_CODE_SECONDARY          | VC(10)                                                         | Secondary potential vegetation for this condition. A partial list of codes is located in Nrv_pv_cover_types. This column is not constrained by this set of codes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| PV_REF_CODE                | VC(10)                                                         | Publication that documents specific pv_codes. This column is constrained by the codes in Nrv_cover_references.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| PV_REF_CODE_SECONDARY      | VC(10)                                                         | Publication that documents specific pv_code_secondary. This column is constrained by the codes in Nrv_cover_references.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |
| REGION_ADMIN               | VC(2)                                                          | Administrative Region number (National Forest System)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                   |     |    |          |     |    |                                               |     |    |               |     |    |         |     |    |                           |     |    |           |     |    |           |     |    |                                                                |     |    |                                                    |     |    |                                         |     |    |                                                         |     |    |             |     |    |              |     |    |               |     |    |           |     |    |               |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name           | Size                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
|----------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|--------------------------------------------------------------|-----|---|------------------------------------------------------|-----|---|----------------------------------------------------|-----|---|----------------------------------------------------|-----|---|-----------------------------------------------------------------|-----|---|--------------------------|-----|---|-------------------|--|
| RESERVE_CLASS  | VC(1)                                                           | <p>Core Variable. The reserved designation for the condition. Reserved land is withdrawn by law(s) prohibiting the management of land for the production of wood products.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Not reserved</td><td>FIA</td></tr> <tr> <td>1</td><td>Reserved</td><td>FIA</td></tr> </table>                                                                                                                                                                                                                                                                                                                                         | Code | Description | Use | 0 | Not reserved                                                 | FIA | 1 | Reserved                                             | FIA |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| Code           | Description                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 0              | Not reserved                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 1              | Reserved                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| RPA_LAND_CLASS | VC(2)                                                           | <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Accessible forest</td><td>FIA</td></tr> <tr> <td>2</td><td>Nonforest</td><td>FIA</td></tr> <tr> <td>3</td><td>Noncensus water</td><td>FIA</td></tr> <tr> <td>4</td><td>Census water</td><td>FIA</td></tr> <tr> <td>5</td><td>Denied access</td><td>FIA</td></tr> <tr> <td>6</td><td>Hazardous</td><td>FIA</td></tr> <tr> <td>7</td><td>Not in the sample</td><td></td></tr> </table>                                                                                                                                                                                                                                 | Code | Description | Use | 1 | Accessible forest                                            | FIA | 2 | Nonforest                                            | FIA | 3 | Noncensus water                                    | FIA | 4 | Census water                                       | FIA | 5 | Denied access                                                   | FIA | 6 | Hazardous                | FIA | 7 | Not in the sample |  |
| Code           | Description                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 1              | Accessible forest                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 2              | Nonforest                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 3              | Noncensus water                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 4              | Census water                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 5              | Denied access                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 6              | Hazardous                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 7              | Not in the sample                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| SETTING_ORIGIN | VC(2)                                                           | <p>Source of vegetation on the setting. Synonymous with Stand Origin.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Natural vegetation - no evidence of artificial regeneration.</td><td></td></tr> <tr> <td>2</td><td>Evidence of artificial regeneration - less than 40%.</td><td></td></tr> <tr> <td>3</td><td>Evidence of artificial regeneration - 40% or more.</td><td></td></tr> <tr> <td>4</td><td>Harvested recently - regeneration not yet evident.</td><td></td></tr> <tr> <td>5</td><td>Evidence of artificial regeneration - percentage not estimated.</td><td></td></tr> <tr> <td>7</td><td>Forestland encroachment.</td><td></td></tr> </table> | Code | Description | Use | 1 | Natural vegetation - no evidence of artificial regeneration. |     | 2 | Evidence of artificial regeneration - less than 40%. |     | 3 | Evidence of artificial regeneration - 40% or more. |     | 4 | Harvested recently - regeneration not yet evident. |     | 5 | Evidence of artificial regeneration - percentage not estimated. |     | 7 | Forestland encroachment. |     |   |                   |  |
| Code           | Description                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 1              | Natural vegetation - no evidence of artificial regeneration.    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 2              | Evidence of artificial regeneration - less than 40%.            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 3              | Evidence of artificial regeneration - 40% or more.              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 4              | Harvested recently - regeneration not yet evident.              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 5              | Evidence of artificial regeneration - percentage not estimated. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |
| 7              | Forestland encroachment.                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                              |     |   |                                                      |     |   |                                                    |     |   |                                                    |     |   |                                                                 |     |   |                          |     |   |                   |  |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name              | Size                                                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
|-------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|-----|---|------------|-----|---|------------|-----|---|------------------------------------------------------------------|-----|---|--------------------------------------------------------------------|-----|---|--------------------|-----|---|---------------|-----|---|----------------------------------------------------------------------------------------------|-----|
| SITE_PRODUCTIVITY | VC(2)                                                                                        | <p>Site productivity class code. A classification of forestland in terms of inherent capacity to grow crops of industrial wood. Identifies the potential growth in cubic feet/acre/year and is based on the culmination of mean annual increment of fully stocked natural stands.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Site productivity (cubic feet/acre/year)</th><th>Use</th></tr> </thead> <tbody> <tr><td>1</td><td>225+</td><td>FIA</td></tr> <tr><td>2</td><td>165-224</td><td>FIA</td></tr> <tr><td>3</td><td>120-164</td><td>FIA</td></tr> <tr><td>4</td><td>85-119</td><td>FIA</td></tr> <tr><td>5</td><td>50-84</td><td>FIA</td></tr> <tr><td>6</td><td>20-49</td><td>FIA</td></tr> <tr><td>7</td><td>0-19</td><td>FIA</td></tr> </tbody> </table>                                                                                                                                                                                                                                          | Code | Site productivity (cubic feet/acre/year) | Use | 1 | 225+       | FIA | 2 | 165-224    | FIA | 3 | 120-164                                                          | FIA | 4 | 85-119                                                             | FIA | 5 | 50-84              | FIA | 6 | 20-49         | FIA | 7 | 0-19                                                                                         | FIA |
| Code              | Site productivity (cubic feet/acre/year)                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 1                 | 225+                                                                                         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 2                 | 165-224                                                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 3                 | 120-164                                                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 4                 | 85-119                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 5                 | 50-84                                                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 6                 | 20-49                                                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 7                 | 0-19                                                                                         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| SIZE_CLASS        | VC(1)                                                                                        | <p>Code for stand-size class assigned by the field crew. A classification of the predominant (based on stocking) diameter class of live trees within the condition.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr><td>0</td><td>Nonstocked</td><td>FIA</td></tr> <tr><td>1</td><td>&lt; 5 inches</td><td>FIA</td></tr> <tr><td>2</td><td>5.0 - 8.9 inches (softwoods)<br/>or 5.0 - 10.9 inches (hardwoods)</td><td>FIA</td></tr> <tr><td>3</td><td>9.0 - 19.9 inches (softwoods)<br/>or 11.0 - 19.9 inches (hardwoods)</td><td>FIA</td></tr> <tr><td>4</td><td>20.0 - 39.9 inches</td><td>FIA</td></tr> <tr><td>5</td><td>40.0 + inches</td><td>FIA</td></tr> <tr><td>6</td><td>Chaparral (FIA field manuals 1.4 - 1.7)<br/>Non-tally cover species (FIA field manuals &gt; 1.7)</td><td>FIA</td></tr> </tbody> </table> <p>More thorough definitions of each size class can be found in the FIADB Users Manual Version 1.0 (GTR NC-218) page 26-27.</p> | Code | Description                              | Use | 0 | Nonstocked | FIA | 1 | < 5 inches | FIA | 2 | 5.0 - 8.9 inches (softwoods)<br>or 5.0 - 10.9 inches (hardwoods) | FIA | 3 | 9.0 - 19.9 inches (softwoods)<br>or 11.0 - 19.9 inches (hardwoods) | FIA | 4 | 20.0 - 39.9 inches | FIA | 5 | 40.0 + inches | FIA | 6 | Chaparral (FIA field manuals 1.4 - 1.7)<br>Non-tally cover species (FIA field manuals > 1.7) | FIA |
| Code              | Description                                                                                  | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 0                 | Nonstocked                                                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 1                 | < 5 inches                                                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 2                 | 5.0 - 8.9 inches (softwoods)<br>or 5.0 - 10.9 inches (hardwoods)                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 3                 | 9.0 - 19.9 inches (softwoods)<br>or 11.0 - 19.9 inches (hardwoods)                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 4                 | 20.0 - 39.9 inches                                                                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 5                 | 40.0 + inches                                                                                | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |
| 6                 | Chaparral (FIA field manuals 1.4 - 1.7)<br>Non-tally cover species (FIA field manuals > 1.7) | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |   |            |     |   |            |     |   |                                                                  |     |   |                                                                    |     |   |                    |     |   |               |     |   |                                                                                              |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name            | Size                                                                                                                                                                                                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                                                                                                                                                                                                                                          |     |   |                                                                                                                                                                                                                                                            |     |   |                                                                                                                                                   |     |   |                                                                                                                                        |     |   |                                                                    |     |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|----------------------------------------------------------------------------------------------------------------------------------------|-----|---|--------------------------------------------------------------------|-----|
| SIZE_CLASS_CALC | VC(1)                                                                                                                                                                                                                                                                    | <p><b>Computed.</b> Stand-size class using an algorithm. A classification of the predominant (based on stocking) diameter class of live trees within the condition. Large diameter trees are at least 11.0 inches diameter for hardwoods and at least 9.0 inches diameter for softwoods. Medium diameter trees are at least 5.0 inches diameter but not as large as large diameter trees. Small diameter trees are less than 5.0 inches diameter.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Large diameter – stands with an all live stocking value of at least 10 (base 100); with more than 50 % of the stocking in medium and large diameter trees; and with the stocking of large diameter trees equal to or greater than the stocking of medium diameter trees.</td><td>FIA</td></tr> <tr> <td>2</td><td>Medium diameter – stands with an all live stocking value of at least 10 (base 100); with more than 50 % of the stocking in medium and large diameter trees; and with the stocking of large diameter trees less than the stocking of medium diameter trees.</td><td>FIA</td></tr> <tr> <td>3</td><td>Small diameter – stands with an all live stocking value of at least (base 100) on which at least 50 % of the stocking is in small diameter trees.</td><td>FIA</td></tr> <tr> <td>4</td><td>Chaparral – forestland with all live stocking value less than 10 and at least 5 % cover by species that make up chaparral communities.</td><td>FIA</td></tr> <tr> <td>5</td><td>Nonstocked – forestland with all live stocking value less than 10.</td><td>FIA</td></tr> </table> <p>Definitions from the FIADB Users Manual Version 1.0 (GTR NC-218) page 25-26.</p> | Code | Description | Use | 1 | Large diameter – stands with an all live stocking value of at least 10 (base 100); with more than 50 % of the stocking in medium and large diameter trees; and with the stocking of large diameter trees equal to or greater than the stocking of medium diameter trees. | FIA | 2 | Medium diameter – stands with an all live stocking value of at least 10 (base 100); with more than 50 % of the stocking in medium and large diameter trees; and with the stocking of large diameter trees less than the stocking of medium diameter trees. | FIA | 3 | Small diameter – stands with an all live stocking value of at least (base 100) on which at least 50 % of the stocking is in small diameter trees. | FIA | 4 | Chaparral – forestland with all live stocking value less than 10 and at least 5 % cover by species that make up chaparral communities. | FIA | 5 | Nonstocked – forestland with all live stocking value less than 10. | FIA |
| Code            | Description                                                                                                                                                                                                                                                              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                                                                                                                                                                                                                          |     |   |                                                                                                                                                                                                                                                            |     |   |                                                                                                                                                   |     |   |                                                                                                                                        |     |   |                                                                    |     |
| 1               | Large diameter – stands with an all live stocking value of at least 10 (base 100); with more than 50 % of the stocking in medium and large diameter trees; and with the stocking of large diameter trees equal to or greater than the stocking of medium diameter trees. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                                                                                                                                                                                                                          |     |   |                                                                                                                                                                                                                                                            |     |   |                                                                                                                                                   |     |   |                                                                                                                                        |     |   |                                                                    |     |
| 2               | Medium diameter – stands with an all live stocking value of at least 10 (base 100); with more than 50 % of the stocking in medium and large diameter trees; and with the stocking of large diameter trees less than the stocking of medium diameter trees.               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                                                                                                                                                                                                                          |     |   |                                                                                                                                                                                                                                                            |     |   |                                                                                                                                                   |     |   |                                                                                                                                        |     |   |                                                                    |     |
| 3               | Small diameter – stands with an all live stocking value of at least (base 100) on which at least 50 % of the stocking is in small diameter trees.                                                                                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                                                                                                                                                                                                                          |     |   |                                                                                                                                                                                                                                                            |     |   |                                                                                                                                                   |     |   |                                                                                                                                        |     |   |                                                                    |     |
| 4               | Chaparral – forestland with all live stocking value less than 10 and at least 5 % cover by species that make up chaparral communities.                                                                                                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                                                                                                                                                                                                                          |     |   |                                                                                                                                                                                                                                                            |     |   |                                                                                                                                                   |     |   |                                                                                                                                        |     |   |                                                                    |     |
| 5               | Nonstocked – forestland with all live stocking value less than 10.                                                                                                                                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                                                                                                                                                                                                                          |     |   |                                                                                                                                                                                                                                                            |     |   |                                                                                                                                                   |     |   |                                                                                                                                        |     |   |                                                                    |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name              | Size                                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-------------|------|---|-------------|------|---|-------------|------|---|-------------|------|---|--------------|------|---|---------------|------|---|---------------|------|---|---------------|------|---|-------------------------------------------------------------------------------------------------------------------------------------------|------|
| SIZE_OF_CONDITION | N(4)                                                                                                                                      | <p>RMRS variable. The continuous size of the condition class. Use aerial photographs for the field location to aid in determining the size of the condition.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>1-5 acres</td><td>RMRS</td></tr> <tr> <td>2</td><td>6-10 acres</td><td>RMRS</td></tr> <tr> <td>3</td><td>11-20 acres</td><td>RMRS</td></tr> <tr> <td>4</td><td>21-40 acres</td><td>RMRS</td></tr> <tr> <td>5</td><td>41-160 acres</td><td>RMRS</td></tr> <tr> <td>6</td><td>161-640 acres</td><td>RMRS</td></tr> <tr> <td>7</td><td>1-5 sq. miles</td><td>RMRS</td></tr> <tr> <td>8</td><td>&gt; 5 sq. miles</td><td>RMRS</td></tr> <tr> <td>9</td><td>Linear feature (includes forest stringers at least 120-feet wide, riparian areas and streams at least 30-feet wide, improved roads, etc.)</td><td>RMRS</td></tr> </tbody> </table> | Code | Description | Use | 1 | 1-5 acres   | RMRS | 2 | 6-10 acres  | RMRS | 3 | 11-20 acres | RMRS | 4 | 21-40 acres | RMRS | 5 | 41-160 acres | RMRS | 6 | 161-640 acres | RMRS | 7 | 1-5 sq. miles | RMRS | 8 | > 5 sq. miles | RMRS | 9 | Linear feature (includes forest stringers at least 120-feet wide, riparian areas and streams at least 30-feet wide, improved roads, etc.) | RMRS |
| Code              | Description                                                                                                                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 1                 | 1-5 acres                                                                                                                                 | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 2                 | 6-10 acres                                                                                                                                | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 3                 | 11-20 acres                                                                                                                               | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 4                 | 21-40 acres                                                                                                                               | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 5                 | 41-160 acres                                                                                                                              | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 6                 | 161-640 acres                                                                                                                             | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 7                 | 1-5 sq. miles                                                                                                                             | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 8                 | > 5 sq. miles                                                                                                                             | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 9                 | Linear feature (includes forest stringers at least 120-feet wide, riparian areas and streams at least 30-feet wide, improved roads, etc.) | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| SLOPE             | N(3)                                                                                                                                      | <p>The average percent slope within the condition. Valid values are 0 through 200. Before 2000, the field crew measured condition slope. Beginning in 2000, slope is collected on subplots but no longer collected for conditions. For plots taken after 2000, the slope from the subplot representing the greatest percentage of the condition will be assigned as a surrogate.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| SOIL_DEPTH        | N(3)                                                                                                                                      | <p>Describes soil depth within each forestland condition class. Required for all forest condition classes.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>&lt; 20 inches</td><td>PNW</td></tr> <tr> <td>2</td><td>≥ 20 inches</td><td>PNW</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Code | Description | Use | 1 | < 20 inches | PNW  | 2 | ≥ 20 inches | PNW  |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| Code              | Description                                                                                                                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 1                 | < 20 inches                                                                                                                               | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| 2                 | ≥ 20 inches                                                                                                                               | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| STAND_AGE         | N(4)                                                                                                                                      | <p>The average total age, to the nearest year, of the trees (plurality of all live trees not overtopped) in the predominant stand size class of the condition, determined using local procedures.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |
| STAND_AGE_FIELD   | N(4)                                                                                                                                      | <p>The stand age collected in the field.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |             |      |   |             |      |   |             |      |   |             |      |   |              |      |   |               |      |   |               |      |   |               |      |   |                                                                                                                                           |      |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name                       | Size                                                                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------------------------------------------------------------------------------------------------------------------------|-----|---|----------------------------------------------------|-----|---|-------------|-----|---|-------------------------|-----|---|---------------------------------|-----|---|----------------|-----|---|-----------------|-----|---|------------|-----|
| STAND_CONDITION            | VC(2)                                                                                                                             | <p>The condition of the stand within forest condition classes. Stand condition is defined as "the size, density, and species composition of a plant community following disturbance and at various time intervals after disturbance. More thorough code definitions can be found on page 87 of the PNW field manual.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>Non applicable</td><td>PNW</td></tr> <tr> <td>1</td><td>Grass-forbs</td><td>PNW</td></tr> <tr> <td>2</td><td>Shrub</td><td>PNW</td></tr> <tr> <td>3</td><td>Open sapling-poletimber</td><td>PNW</td></tr> <tr> <td>4</td><td>Closed sapling, pole, sawtimber</td><td>PNW</td></tr> <tr> <td>5</td><td>Open sawtimber</td><td>PNW</td></tr> <tr> <td>6</td><td>Large sawtimber</td><td>PNW</td></tr> <tr> <td>7</td><td>Old-growth</td><td>PNW</td></tr> </tbody> </table> | Code | Description | Use | 0 | Non applicable                                                                                                                    | PNW | 1 | Grass-forbs                                        | PNW | 2 | Shrub       | PNW | 3 | Open sapling-poletimber | PNW | 4 | Closed sapling, pole, sawtimber | PNW | 5 | Open sawtimber | PNW | 6 | Large sawtimber | PNW | 7 | Old-growth | PNW |
| Code                       | Description                                                                                                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 0                          | Non applicable                                                                                                                    | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 1                          | Grass-forbs                                                                                                                       | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 2                          | Shrub                                                                                                                             | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 3                          | Open sapling-poletimber                                                                                                           | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 4                          | Closed sapling, pole, sawtimber                                                                                                   | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 5                          | Open sawtimber                                                                                                                    | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 6                          | Large sawtimber                                                                                                                   | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 7                          | Old-growth                                                                                                                        | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| STAND_STRUCTURE            | VC(2)                                                                                                                             | <p>PNW variable. The overall structure of the stand.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Even-aged single-storied</td><td>PNW</td></tr> <tr> <td>2</td><td>Even-aged two-storied</td><td>PNW</td></tr> <tr> <td>3</td><td>Uneven-aged</td><td>PNW</td></tr> <tr> <td>4</td><td>Mosaic</td><td>PNW</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Code | Description | Use | 1 | Even-aged single-storied                                                                                                          | PNW | 2 | Even-aged two-storied                              | PNW | 3 | Uneven-aged | PNW | 4 | Mosaic                  | PNW |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| Code                       | Description                                                                                                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 1                          | Even-aged single-storied                                                                                                          | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 2                          | Even-aged two-storied                                                                                                             | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 3                          | Uneven-aged                                                                                                                       | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| 4                          | Mosaic                                                                                                                            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| STOCKABILITY_INDICATOR_SET | VC(1)                                                                                                                             | <p>PNW variable. The plant indicator list (Set 1 or 2) associated with an accessible forestland condition class in Douglas, Jackson, or Josephine counties. Valid values are 1 and 2.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| STUMPS_PRESENT             | VC(1)                                                                                                                             | <p>PNW variable.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>Y</td><td>The condition class has been harvested for wood production in the past or present (any signs of past cutting such as old stumps).</td><td>PNW</td></tr> <tr> <td>N</td><td>There is no evidence of past cutting or management</td><td>PNW</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Code | Description | Use | Y | The condition class has been harvested for wood production in the past or present (any signs of past cutting such as old stumps). | PNW | N | There is no evidence of past cutting or management | PNW |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| Code                       | Description                                                                                                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| Y                          | The condition class has been harvested for wood production in the past or present (any signs of past cutting such as old stumps). | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| N                          | There is no evidence of past cutting or management                                                                                | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |
| SURVEY_TYPE                | VC(2)                                                                                                                             | <p>This column will contain either "P2" or "P3" to identify records in this table to one of these two protocols. But until every plot (P2 and P3) occur simultaneously, the possibility of one crew assigning two conditions to the plot and the other crew assigning 2, less, or more conditions to the plot will continue to be problematic.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                                                                                   |     |   |                                                    |     |   |             |     |   |                         |     |   |                                 |     |   |                |     |   |                 |     |   |            |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name                  | Size                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
|-----------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|------------------------------------------|-----|---|--------------------------------------------------|-----|---|--------------------------------------------------|-----|---|---------------------------------|-----|---|-----------------------|-----|---|---------------------------------------|-----|---|-------------------------------|-----|---|----------------------------------------|-----|---|---------------------|-----|----|-----------------|-----|----|--------------|-----|
| TOPOGRAPHIC_POSITION  | VC(1)                                            | <p>PNW variable. The topographic position for each condition.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Ridge top or mountain peak over 130 feet</td><td>PNW</td></tr> <tr> <td>2</td><td>Narrow ridge top or peak less than 130 feet wide</td><td>PNW</td></tr> <tr> <td>3</td><td>Side hill – upper 1/3</td><td>PNW</td></tr> <tr> <td>4</td><td>Side hill – middle 1/3</td><td>PNW</td></tr> <tr> <td>5</td><td>Side hill – lower 1/3</td><td>PNW</td></tr> <tr> <td>6</td><td>Canyon bottom less than 660 feet wide</td><td>PNW</td></tr> <tr> <td>7</td><td>Bench, terrace or dry flat</td><td>PNW</td></tr> <tr> <td>8</td><td>Broad alluvial flat over 660 feet wide</td><td>PNW</td></tr> <tr> <td>9</td><td>Swamp or wet flat</td><td>PNW</td></tr> </table>                                                                                                                                                                             | Code | Description | Use | 1 | Ridge top or mountain peak over 130 feet | PNW | 2 | Narrow ridge top or peak less than 130 feet wide | PNW | 3 | Side hill – upper 1/3                            | PNW | 4 | Side hill – middle 1/3          | PNW | 5 | Side hill – lower 1/3 | PNW | 6 | Canyon bottom less than 660 feet wide | PNW | 7 | Bench, terrace or dry flat    | PNW | 8 | Broad alluvial flat over 660 feet wide | PNW | 9 | Swamp or wet flat   | PNW |    |                 |     |    |              |     |
| Code                  | Description                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 1                     | Ridge top or mountain peak over 130 feet         | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 2                     | Narrow ridge top or peak less than 130 feet wide | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 3                     | Side hill – upper 1/3                            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 4                     | Side hill – middle 1/3                           | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 5                     | Side hill – lower 1/3                            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 6                     | Canyon bottom less than 660 feet wide            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 7                     | Bench, terrace or dry flat                       | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 8                     | Broad alluvial flat over 660 feet wide           | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 9                     | Swamp or wet flat                                | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| TREATMENT_OPPORTUNITY | VC(2)                                            | <p>Treatment opportunity class code. Identifies the physical opportunity to improve stand conditions by applying management practices. Determined only for timberland.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Regeneration without site preparation</td><td>FIA</td></tr> <tr> <td>2</td><td>Regeneration with site preparation</td><td>FIA</td></tr> <tr> <td>3</td><td>Stand conversion</td><td>FIA</td></tr> <tr> <td>4</td><td>Thinning seedlings and saplings</td><td>FIA</td></tr> <tr> <td>5</td><td>Thinning poletimber</td><td>FIA</td></tr> <tr> <td>6</td><td>Other stocking control</td><td>FIA</td></tr> <tr> <td>7</td><td>Other intermediate treatments</td><td>FIA</td></tr> <tr> <td>8</td><td>Clear-cut harvest</td><td>FIA</td></tr> <tr> <td>9</td><td>Partial cut harvest</td><td>FIA</td></tr> <tr> <td>10</td><td>Salvage harvest</td><td>FIA</td></tr> <tr> <td>11</td><td>No treatment</td><td>FIA</td></tr> </table> | Code | Description | Use | 1 | Regeneration without site preparation    | FIA | 2 | Regeneration with site preparation               | FIA | 3 | Stand conversion                                 | FIA | 4 | Thinning seedlings and saplings | FIA | 5 | Thinning poletimber   | FIA | 6 | Other stocking control                | FIA | 7 | Other intermediate treatments | FIA | 8 | Clear-cut harvest                      | FIA | 9 | Partial cut harvest | FIA | 10 | Salvage harvest | FIA | 11 | No treatment | FIA |
| Code                  | Description                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 1                     | Regeneration without site preparation            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 2                     | Regeneration with site preparation               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 3                     | Stand conversion                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 4                     | Thinning seedlings and saplings                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 5                     | Thinning poletimber                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 6                     | Other stocking control                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 7                     | Other intermediate treatments                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 8                     | Clear-cut harvest                                | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 9                     | Partial cut harvest                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 10                    | Salvage harvest                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 11                    | No treatment                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| TREE_DENSITY          | VC(2)                                            | <p>The relative tree density classification. The classification is based on the number of stems/unit area, basal area, tree cover, or stocking of all live trees in the condition that are not overtopped. In order to qualify as a separate condition based on density, there MUST be a distinct, easily observed change in the density of an area's tree cover or basal area.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Initial density class</td><td>FIA</td></tr> <tr> <td>2</td><td>Density class 2 - density different than 1</td><td>FIA</td></tr> <tr> <td>3</td><td>Density class 3 - density different than 1 and 2</td><td>FIA</td></tr> </table>                                                                                                                                                                                                                                                                                      | Code | Description | Use | 1 | Initial density class                    | FIA | 2 | Density class 2 - density different than 1       | FIA | 3 | Density class 3 - density different than 1 and 2 | FIA |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| Code                  | Description                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 1                     | Initial density class                            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 2                     | Density class 2 - density different than 1       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |
| 3                     | Density class 3 - density different than 1 and 2 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                          |     |   |                                                  |     |   |                                                  |     |   |                                 |     |   |                       |     |   |                                       |     |   |                               |     |   |                                        |     |   |                     |     |    |                 |     |    |              |     |

**NRV\_FIA\_MAPPED\_CONDITIONS (cont.)**

| Name               | Size                  | Description                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                       |      |   |                     |      |
|--------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------------|------|---|---------------------|------|
| VOL_LOC_GRP        | VC2(200)              | Volume location group. This is a regional identifier to indicate what equations are used for volume, biomass, site index, etc. For the specific codes used in a particular Region or State, contact the FIA program responsible for that Region or State.                                                                                                       |      |             |     |   |                       |      |   |                     |      |
| WIDTH_OF_CONDITION | N(4)                  | RMRS variable. The linear forest stringer. Code 1 can only be used for conditions associated with riparian areas within a forestland context. <table border="1"> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>120 or more feet wide</td><td>RMRS</td></tr> <tr> <td>1</td><td>30 to 120 feet wide</td><td>RMRS</td></tr> </table> | Code | Description | Use | 0 | 120 or more feet wide | RMRS | 1 | 30 to 120 feet wide | RMRS |
| Code               | Description           | Use                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                       |      |   |                     |      |
| 0                  | 120 or more feet wide | RMRS                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                       |      |   |                     |      |
| 1                  | 30 to 120 feet wide   | RMRS                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                       |      |   |                     |      |

**NRV\_FIA\_SETTING\_MEASUREMENTS**

This table contains columns describing setting level (cluster, plot, subplot) measurements collected on an FIA grid plot above and beyond those attributes defined in Nrv\_setting\_measurements.

| Name                                   | Size   | Description                                                                                                                                                                                                                                                                            |
|----------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                   |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                                                                                                         |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                                                                                                       |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6,0) | The database server ID where the record was created.                                                                                                                                                                                                                                   |
| SETMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_setting_measurements.                                                                                                                                                                                                                                               |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data                                                                                    |
| ACCESSIBLE_FOREST_PCT_VEG              | N(3)   | Subplot accessible forest percent. The percent of the subplot area in an accessible forested condition as estimated by the vegetation specialist when VEG_VISIT.VEG_MANUAL = 2.0 and higher. This value is derived from P2 subplot and condition data when VEG_VISIT.VEG_MANUAL = 1.7. |
| AK_SECTION                             | VC(3)  | One of eight inventory sections for the State of Alaska.                                                                                                                                                                                                                               |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                     | Size                                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
|--------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------|---|------------------------------------------------------------------------|------|---|------------------------------------------------------------------------------------------------|------|---|-----------------------------------------------------------------------------------------|------|
| ANNUAL_INVENTORY_FLG     | VC(1)                                                                                          | <div>Indicates if the SURVEY record is part of an annual or periodic inventory.</div> <table><tr><th>Code</th><th>Description</th></tr><tr><td>Y</td><td>Plots were selected using the panel system</td></tr><tr><td>N</td><td>Plots were not selected using the panel system</td></tr></table>                                                                                                                                                                                                                                                                                      | Code | Description | Y   | Plots were selected using the panel system                        | N                                                                       | Plots were not selected using the panel system                 |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| Code                     | Description                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| Y                        | Plots were selected using the panel system                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| N                        | Plots were not selected using the panel system                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| CENSUS_YEAR              | N(4)                                                                                           | FIADB Survey Table variable. The year (e.g. 1980 or 1990) of the Bureau of the Census land area figures to which total State land area is reconciled.                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| CONDITION_CLASS_CHANGE   | VC(1)                                                                                          | <div>RMRS variable.</div> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>0</td><td>There have been no condition class changes from the previous inventory.</td><td>RMRS</td></tr><tr><td>1</td><td>True change has taken place since the last inventory.</td><td>RMRS</td></tr><tr><td>2</td><td>There are no true condition changes. The previous crew mapped a condition(s) in obvious error.</td><td>RMRS</td></tr><tr><td>3</td><td>There are no true condition changes. Change is due to procedural or definition changes.</td><td>RMRS</td></tr></table> | Code | Description | Use | 0                                                                 | There have been no condition class changes from the previous inventory. | RMRS                                                           | 1 | True change has taken place since the last inventory.                  | RMRS | 2 | There are no true condition changes. The previous crew mapped a condition(s) in obvious error. | RMRS | 3 | There are no true condition changes. Change is due to procedural or definition changes. | RMRS |
| Code                     | Description                                                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| 0                        | There have been no condition class changes from the previous inventory.                        | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| 1                        | True change has taken place since the last inventory.                                          | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| 2                        | There are no true condition changes. The previous crew mapped a condition(s) in obvious error. | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| 3                        | There are no true condition changes. Change is due to procedural or definition changes.        | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| CONDITION_MAJORITY_CODE  | VC(1)                                                                                          | <table><tr><th>Code</th><th>Description</th></tr><tr><td>M</td><td>Majority Setting; setting variables set to the majority condition</td></tr><tr><td>N</td><td>Normal setting; setting variables set if single condition only</td></tr><tr><td>C</td><td>Plot center setting; setting variables set to setting center condition</td></tr></table>                                                                                                                                                                                                                                   | Code | Description | M   | Majority Setting; setting variables set to the majority condition | N                                                                       | Normal setting; setting variables set if single condition only | C | Plot center setting; setting variables set to setting center condition |      |   |                                                                                                |      |   |                                                                                         |      |
| Code                     | Description                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| M                        | Majority Setting; setting variables set to the majority condition                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| N                        | Normal setting; setting variables set if single condition only                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| C                        | Plot center setting; setting variables set to setting center condition                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| CONGRESSIONAL_DISTRICT   | N(4)                                                                                           | Congressional District Code. The first two digits are the State FIPS code and the last two digits are the congressional district number. If a state has only one congressional district the congressional district number is 00.                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| CONSECUTIVE_POINT_NUMBER | VC(4)                                                                                          | RMRS variable. The CPN assigned to the field location. This item is indicated on the field location packet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| COORDINATE_SYSTEM        | VC(1)                                                                                          | <div>The type of coordinate system used to obtain readings.</div> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>1</td><td>Geographic coordinate system</td><td>FIA</td></tr><tr><td>2</td><td>UTM coordinate system</td><td>FIA</td></tr></table>                                                                                                                                                                                                                                                                                                             | Code | Description | Use | 1                                                                 | Geographic coordinate system                                            | FIA                                                            | 2 | UTM coordinate system                                                  | FIA  |   |                                                                                                |      |   |                                                                                         |      |
| Code                     | Description                                                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| 1                        | Geographic coordinate system                                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |
| 2                        | UTM coordinate system                                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |                                                                   |                                                                         |                                                                |   |                                                                        |      |   |                                                                                                |      |   |                                                                                         |      |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                          | Size                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
|-------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------------------------------------------|------|---|-------------------------------|------|---|-----------------------------------|------|---|--------------------------------------------|------|---|-----------------------|-----|---|---------------|-----|---|--------------|-----|---|--------------|-----|---|----------------------|-----|
| CURRENT_LOCATION_STATUS       | VC(1)                                               | <p>RMRS variable</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>At least one accessible forestland condition class.</td><td>RMRS</td></tr> <tr> <td>2</td><td>Entire location is nonforest.</td><td>RMRS</td></tr> <tr> <td>3</td><td>Entire location is access denied.</td><td>RMRS</td></tr> <tr> <td>4</td><td>Entire location is too hazardous to visit.</td><td>RMRS</td></tr> </table>                                                                                                                                                                                                                                                                     | Code | Description | Use | 1 | At least one accessible forestland condition class. | RMRS | 2 | Entire location is nonforest. | RMRS | 3 | Entire location is access denied. | RMRS | 4 | Entire location is too hazardous to visit. | RMRS |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| Code                          | Description                                         | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 1                             | At least one accessible forestland condition class. | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 2                             | Entire location is nonforest.                       | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 3                             | Entire location is access denied.                   | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 4                             | Entire location is too hazardous to visit.          | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| DISTANCE_TO_ROAD              | VC(2)                                               | <p>The straight-line distance from plot center (subplot 1) to the nearest improved road.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>100 feet or less</td><td>FIA</td></tr> <tr> <td>2</td><td>101 to 300 feet</td><td>FIA</td></tr> <tr> <td>3</td><td>301-500 feet</td><td>FIA</td></tr> <tr> <td>4</td><td>501 to 1000 feet</td><td>FIA</td></tr> <tr> <td>5</td><td>1001 feet to 1/2 mile</td><td>FIA</td></tr> <tr> <td>6</td><td>1/2 to 1 mile</td><td>FIA</td></tr> <tr> <td>7</td><td>1 to 3 miles</td><td>FIA</td></tr> <tr> <td>8</td><td>3 to 5 miles</td><td>FIA</td></tr> <tr> <td>9</td><td>Greater than 5 miles</td><td>FIA</td></tr> </table> | Code | Description | Use | 1 | 100 feet or less                                    | FIA  | 2 | 101 to 300 feet               | FIA  | 3 | 301-500 feet                      | FIA  | 4 | 501 to 1000 feet                           | FIA  | 5 | 1001 feet to 1/2 mile | FIA | 6 | 1/2 to 1 mile | FIA | 7 | 1 to 3 miles | FIA | 8 | 3 to 5 miles | FIA | 9 | Greater than 5 miles | FIA |
| Code                          | Description                                         | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 1                             | 100 feet or less                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 2                             | 101 to 300 feet                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 3                             | 301-500 feet                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 4                             | 501 to 1000 feet                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 5                             | 1001 feet to 1/2 mile                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 6                             | 1/2 to 1 mile                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 7                             | 1 to 3 miles                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 8                             | 3 to 5 miles                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| 9                             | Greater than 5 miles                                | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| EMAP_HEX                      | VC(7)                                               | <b>Not available yet.</b> FIA locator, see Station for more information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| EXPANSION_FACTOR_ACRE         | N(13,4)                                             | Current expansion factor. The number of acres the sample plot represents for making current estimates of area. The sum of EXPCURR over all plot-level records for a particular State is the total land and water area of the State.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| EXPANSION_FACTOR_ACRE_UNADJ   | N(13,4)                                             | Current area expansion factor. The number of acres represented by the sample plot that are used to make current estimates of area where the sample excludes outside-of-the-population plots, but includes denied-access and hazardous plots.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| EXPANSION_FACTOR_GROWTH       | N(13,4)                                             | Growth expansion factor. The number of acres the sample plot represents for estimating growth.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| EXPANSION_FACTOR_MORTALITY    | N(13,4)                                             | Mortality expansion factor. The number of acres the sample plot represents for estimating mortality.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| EXPANSION_FACTOR_PERIODIC_CHG | N(13,4)                                             | Periodic change expansion factor. The number of acres that the sample plot represents for estimating periodic area change.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| EXPANSION_FACTOR_REMOVALS     | N(13,4)                                             | Removals expansion factor. The number of acres the sample plot represents for estimating removals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| EXPANSION_FACTOR_VOLUME       | N(13,4)                                             | Volume expansion factor. The number of acres the sample plot represents for making current estimates of volume, biomass, and number of trees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |
| FIADB_PLT_CN                  | VC(34)                                              | Control Number from FIADB. References FIADB.PLOT.CN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                     |      |   |                               |      |   |                                   |      |   |                                            |      |   |                       |     |   |               |     |   |              |     |   |              |     |   |                      |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                    | Size                                                                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|--------------------------------------------------------------------------------------|------|---|-----------------------------------------------------------------------------------|------|---|--------------------------------------------------------------------------------------------------------------------------------|------|---|---------------------------------------|-----|---|-------------------------------------------|-----|
| FUTURE_FOREST_POTENTIAL | VC(1)                                                                                                                          | <p>RMRS variable, which indicates if the location required a pre-field examination at the time of the next inventory (10-20 years).</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>No, there is no chance that this plot will meet forest definition at the next cycle.</td><td>RMRS</td></tr> <tr> <td>1</td><td>Yes, there is some chance that this plot could become forested in the next cycle.</td><td>RMRS</td></tr> <tr> <td>2</td><td>There are no forest tree species on the site, but other woody species not currently defined as forest species occupy the site.</td><td>RMRS</td></tr> </table> | Code | Description | Use | 0 | No, there is no chance that this plot will meet forest definition at the next cycle. | RMRS | 1 | Yes, there is some chance that this plot could become forested in the next cycle. | RMRS | 2 | There are no forest tree species on the site, but other woody species not currently defined as forest species occupy the site. | RMRS |   |                                       |     |   |                                           |     |
| Code                    | Description                                                                                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| 0                       | No, there is no chance that this plot will meet forest definition at the next cycle.                                           | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| 1                       | Yes, there is some chance that this plot could become forested in the next cycle.                                              | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| 2                       | There are no forest tree species on the site, but other woody species not currently defined as forest species occupy the site. | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_AZIMUTH             | N(3)                                                                                                                           | Azimuth to plot center. The azimuth from the location where the coordinates were collected to actual plot center. Recorded when GPS_TYPE = 2, 3, or 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_DATUM               | VC(12)                                                                                                                         | The type of datum that the GPS data were collected in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_DISTANCE            | N(3)                                                                                                                           | Distance to plot center. The horizontal distance from the location where the coordinates were collected to actual plot center. Recorded when GPS_TYPE = 2, 3, or 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_ELEVATION           | N(5)                                                                                                                           | The elevation, above mean sea level, of the plot center, in feet, as recorded by the GPS unit. Recorded when GPS_TYPE = 1, 2, or 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_ERROR               | N(3)                                                                                                                           | The error as shown on the GPS unit to the nearest foot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_FILENAME            | VC(12)                                                                                                                         | The filename containing the GPS positions collected on the plot, e.g. R0171519.ssf.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_LATITUDE            | N(8,6)                                                                                                                         | Latitude of the plot center to the nearest hundredth second, as determined by GPS. Collected in the field as DDMMSSSS, and converted to decimal degrees. Recorded when GPS_COORD_SYS = 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_LONGITUDE           | N(9,6)                                                                                                                         | Longitude of the plot center to the nearest hundredth second, as determined by GPS. Collected in the field as DDMMSSSS, and converted to decimal degrees. Recorded when GPS_COORD_SYS = 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_SERIAL_NUMBER       | VC(6)                                                                                                                          | The last six digits of the serial number on the GPS unit used. Valid values: 000001 to 999999.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| GPS_UNIT                | VC(2)                                                                                                                          | <p>The kind of GPS unit used to collect coordinates. If suitable coordinates cannot be obtained, record 0.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>GPS coordinates not collected.</td><td>FIA</td></tr> <tr> <td>1</td><td>Rockwell Precision Lightweight GPS Receiver (PLGR)</td><td>FIA</td></tr> <tr> <td>2</td><td>Other brand capable of field averaging.</td><td>FIA</td></tr> <tr> <td>3</td><td>Trimble GeoExplorer or Pathfinder Pro</td><td>FIA</td></tr> <tr> <td>4</td><td>Recreational GPS (Garmin, Magellan, etc.)</td><td>FIA</td></tr> </table>                                       | Code | Description | Use | 0 | GPS coordinates not collected.                                                       | FIA  | 1 | Rockwell Precision Lightweight GPS Receiver (PLGR)                                | FIA  | 2 | Other brand capable of field averaging.                                                                                        | FIA  | 3 | Trimble GeoExplorer or Pathfinder Pro | FIA | 4 | Recreational GPS (Garmin, Magellan, etc.) | FIA |
| Code                    | Description                                                                                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| 0                       | GPS coordinates not collected.                                                                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| 1                       | Rockwell Precision Lightweight GPS Receiver (PLGR)                                                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| 2                       | Other brand capable of field averaging.                                                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| 3                       | Trimble GeoExplorer or Pathfinder Pro                                                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |
| 4                       | Recreational GPS (Garmin, Magellan, etc.)                                                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                                                      |      |   |                                                                                   |      |   |                                                                                                                                |      |   |                                       |     |   |                                           |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name           | Size  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HEXAGON_NUMBER | N(7)  | The unique code assigned to each Phase 2 hexagon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HEX_INTENSITY  | VC(2) | Sample intensity assigned to polygon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| INVENTORY_YEAR | N(4)  | <p>Inventory year. The year that best represents when the inventory data were collected. Under the annual inventory system, a group of plots is selected each year for sampling. The selection is based on a panel system. INVYR is the year in which the majority of plots in that group were collected (plots in the group have the same panel and, if applicable, subpanel). Under periodic inventory, a reporting inventory year was selected, usually based on the year in which the majority of the plots were collected or the mid-point of the years over which the inventory spanned. For either annual or periodic inventory, INVYR is not necessarily the same as MEASYEAR.</p> <p>Exceptions:</p> <ul style="list-style-type: none"> <li>• INVYR = 9999. INVYR is set to 9999 to distinguish those Western Phase 3 plots that are “off subpanel”. This is due to differences in measurement intervals between Phase 3 (measurement interval=5 years) and Phase 2 (measurement interval=10 years) plots. Only users interested in performing certain Phase 3 data analyses should access plots with this anomalous value in INVYR.</li> <li>• INVYR &lt; 100. INVYR less than 100 indicates that population estimates were derived from a pre-NIMS regional processing system and the same plot either has been or may soon be re-processed in NIMS as part of a separate evaluation. The NIMS processed copy of the plot follows the standard INVYR format. This only applies to plots collected in the South (SURVEY.RSCD = 33) with the national design or a similar regional design (PLOT.DESIGNCD = 1 or 220- 233) that were collected when the inventory year was 1998 through 2005.</li> <li>• INVYR=98 is equivalent to 1998 but processed through regional system</li> <li>• INVYR=99 is equivalent to 1999 but processed through regional system</li> <li>• INVYR=0 is equivalent to 2000 but processed through regional system</li> <li>• INVYR=1 is equivalent to 2001 but processed through regional system</li> <li>• INVYR=2 is equivalent to 2002 but processed through regional system</li> <li>• INVYR=3 is equivalent to 2003 but processed through regional system</li> <li>• INVYR=4 is equivalent to 2004 but processed through regional system</li> <li>• INVYR=5 is equivalent to 2005 but processed through regional system</li> </ul> |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                       | Size                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
|----------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----------------------------------|------------------|-----------------------------------------------------|---|------------------------------|-----|---|-----------------------|-----|---|------------------------------------------------|-----|---|--------------------------------------|-----|---|------------------------------|-----|---|-------------------------------------|-----|---|----------------------------------------------------------|-----|
| KINDCD_VEG                 | VC(2)                                                    | <div>Vegetation sample kind code. A code indicating the kind of vegetation plot that was measured.</div> <table><tr><th>Code</th><th>Description</th></tr><tr><td>1</td><td>Initial P3 VEG plot establishment</td></tr><tr><td>2</td><td>Remeasurement of previously established P3 VEG plot</td></tr><tr><td>3</td><td>Replacement P3 VEG plot</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                 | Code | Description | 1   | Initial P3 VEG plot establishment | 2                | Remeasurement of previously established P3 VEG plot | 3 | Replacement P3 VEG plot      |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| Code                       | Description                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 1                          | Initial P3 VEG plot establishment                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 2                          | Remeasurement of previously established P3 VEG plot      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 3                          | Replacement P3 VEG plot                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| LANDOWNER_DATA_REQUEST     | VC(1)                                                    | <div>Has the plot landowner requested data from the plot or publications of inventory data?</div> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>0</td><td>No data request.</td><td>FIA</td></tr><tr><td>1</td><td>Raw plot data and plot card.</td><td>FIA</td></tr><tr><td>2</td><td>Summarized plot data.</td><td>FIA</td></tr><tr><td>3</td><td>Publications developed using plot information.</td><td>FIA</td></tr><tr><td>4</td><td>Raw plot data, summarized plot data.</td><td>FIA</td></tr><tr><td>5</td><td>Raw plot data, publications.</td><td>FIA</td></tr><tr><td>6</td><td>Summarized plot data, publications.</td><td>FIA</td></tr><tr><td>7</td><td>All (raw plot data, summarized plot data, publications).</td><td>FIA</td></tr></table> | Code | Description | Use | 0                                 | No data request. | FIA                                                 | 1 | Raw plot data and plot card. | FIA | 2 | Summarized plot data. | FIA | 3 | Publications developed using plot information. | FIA | 4 | Raw plot data, summarized plot data. | FIA | 5 | Raw plot data, publications. | FIA | 6 | Summarized plot data, publications. | FIA | 7 | All (raw plot data, summarized plot data, publications). | FIA |
| Code                       | Description                                              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 0                          | No data request.                                         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 1                          | Raw plot data and plot card.                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 2                          | Summarized plot data.                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 3                          | Publications developed using plot information.           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 4                          | Raw plot data, summarized plot data.                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 5                          | Raw plot data, publications.                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 6                          | Summarized plot data, publications.                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| 7                          | All (raw plot data, summarized plot data, publications). | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| MACROPLOT_CENTER_CONDITION | VC(1)                                                    | Macro-plot center condition. Unique identifying number assigned to each condition on a plot. Stores the condition class number of the condition class at the micro-plot center for micro-plot records.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| MANUAL_VEG                 | VC(8)                                                    | Vegetation manual (field guide). Field guide version used to collect the P3 Vegetation Diversity and Structure data. Typically, this will be the same as the P2 field guide version, after version 2.0.1.<br>NOTE: Version 1.7 of the field guide was used in 2001-2003.<br>Version 2.0, first used in 2004, introduced a new protocol with significant changes in the vegetation sample basis. Version 2.0.1 and later versions modify the 2.0 protocol to allow recording of a separate value for plant covers with less than one percent as less than one percent (trace). The primary differences between the 1.7 and 2.0 and later protocols are noted under VEG_SAMPLE_BASIS, TRACE_COVER_ALLOWED and “*_PRE2004” columns.                                                  |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| MEASUREMENT_DATE_VEG       | DATE                                                     | Vegetation measurement date. Date on which the plot was measured for P3 Vegetation Diversity and Structure data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |
| MICROPLOT_CENTER_CONDITION | VC(1)                                                    | Micro-plot center condition. Unique identifying number assigned to each condition on a plot. Stores the condition class number of the condition class at the micro-plot center for micro-plot records.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |                                   |                  |                                                     |   |                              |     |   |                       |     |   |                                                |     |   |                                      |     |   |                              |     |   |                                     |     |   |                                                          |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                  | Size                                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
|-----------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------------------------------------------------------|------|---|--------------------|-----|---|---------------------|-----|---|-----------------|-----|---|-------------------|-----|---|-----------|-----|---|------------------------|-----|---|---------------|-----|---|-------------------------|-----|----|-------|-----|----|-------|-----|
| MANUAL_DB             | N(3,1)                                                  | Version of the National Field Guide used to describe the current state of the data as it resides in the database. The data in the database have been standardized to this version.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MANUAL_FIELD          | N(3,1)                                                  | Version of the National Field Guide used to describe procedures for collecting data on the plot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MICROPLOT_LOCATION    | VC(1)                                                   | RMRS variable. The location of the micro-plot. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>12 feet horizontal at 90 degrees east of subplot center</td><td>RMRS</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Code | Description | Use | 1 | 12 feet horizontal at 90 degrees east of subplot center | RMRS |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| Code                  | Description                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 1                     | 12 feet horizontal at 90 degrees east of subplot center | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MODIFIED_BY           | VC(30)                                                  | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MODIFIED_DATE         | DATE                                                    | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MODIFIED_IN_INSTANCE  | N(6)                                                    | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| MORTALITY_VOLUME_CODE | VC(2)                                                   | Type of annual mortality volume code. Indicates how mortality volume is estimated. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Current annual</td><td>FIA</td></tr> <tr> <td>2</td><td>Periodic annual</td><td>FIA</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Code | Description | Use | 1 | Current annual                                          | FIA  | 2 | Periodic annual    | FIA |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| Code                  | Description                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 1                     | Current annual                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 2                     | Periodic annual                                         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| NFS_CONTROL_YEAR      | N(4)                                                    | National Forest System Area Control Year. The Forest Service produces an annual report entitled "Land Areas of the National Forest System." Forest Inventory area estimates of lands administered by the Forest Service are reconciled to match these reported numbers. This variable represents the year of the report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| NONSAMPLED_REASON     | VC(2)                                                   | For plots or subplots that cannot be sampled, and are wholly or partially within the FIA sampling population, record one of the following reasons (collected when NRV_FIA_SETTING_MEASUREMENTS.PLOT_STATUS = 3 or NRV_FIA_SETTING_MEASUREMENTS.SUBPLOT_STATUS = 3). <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Outside U.S. boundary</td><td>FIA</td></tr> <tr> <td>2</td><td>Denied access area</td><td>FIA</td></tr> <tr> <td>3</td><td>Hazardous situation</td><td>FIA</td></tr> <tr> <td>4</td><td>Time limitation</td><td>FIA</td></tr> <tr> <td>5</td><td>Botched data file</td><td>FIA</td></tr> <tr> <td>6</td><td>Plot lost</td><td>FIA</td></tr> <tr> <td>7</td><td>Plot in wrong location</td><td>FIA</td></tr> <tr> <td>8</td><td>Skipped visit</td><td>FIA</td></tr> <tr> <td>9</td><td>Dropped intensification</td><td>FIA</td></tr> <tr> <td>10</td><td>Other</td><td>FIA</td></tr> <tr> <td>11</td><td>Ocean</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 1 | Outside U.S. boundary                                   | FIA  | 2 | Denied access area | FIA | 3 | Hazardous situation | FIA | 4 | Time limitation | FIA | 5 | Botched data file | FIA | 6 | Plot lost | FIA | 7 | Plot in wrong location | FIA | 8 | Skipped visit | FIA | 9 | Dropped intensification | FIA | 10 | Other | FIA | 11 | Ocean | FIA |
| Code                  | Description                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 1                     | Outside U.S. boundary                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 2                     | Denied access area                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 3                     | Hazardous situation                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 4                     | Time limitation                                         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 5                     | Botched data file                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 6                     | Plot lost                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 7                     | Plot in wrong location                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 8                     | Skipped visit                                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 9                     | Dropped intensification                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 10                    | Other                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |
| 11                    | Ocean                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |      |   |                    |     |   |                     |     |   |                 |     |   |                   |     |   |           |     |   |                        |     |   |               |     |   |                         |     |    |       |     |    |       |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                  | Size                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
|-----------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------------|-----|---|--------------------|-----|---|---------------------|-----|---|-----------------|-----|---|-----------------------------|-----|----|-------|-----|
| NONSAMPLED_REASON_VEG | VC(2)                       | <p>Vegetation subplot nonsampled reason code. A code indicating why a subplot cannot be sampled when VEG_SUBP_STATUS_CD = 3.</p> <p>Codes 1-4 can be assigned to entire plots or portions of plots that are not sampled. Code 5 is assigned only when the entire plot is affected.</p> <p>If VEG_SUBP_STATUS_CD = 1 or 2, this variable is not recorded.</p> <p>This value is derived for data collected with VEG_VISIT.VEG_MANUAL = 1.7.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Outside U.S. boundary</td><td>FIA</td></tr> <tr> <td>2</td><td>Denied access area</td><td>FIA</td></tr> <tr> <td>3</td><td>Hazardous situation</td><td>FIA</td></tr> <tr> <td>4</td><td>Time limitation</td><td>FIA</td></tr> <tr> <td>5</td><td>Lost data (office use only)</td><td>FIA</td></tr> <tr> <td>10</td><td>Other</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 1 | Outside U.S. boundary | FIA | 2 | Denied access area | FIA | 3 | Hazardous situation | FIA | 4 | Time limitation | FIA | 5 | Lost data (office use only) | FIA | 10 | Other | FIA |
| Code                  | Description                 | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| 1                     | Outside U.S. boundary       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| 2                     | Denied access area          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| 3                     | Hazardous situation         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| 4                     | Time limitation             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| 5                     | Lost data (office use only) | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| 10                    | Other                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| NUMBER_P2_PANELS      | N(2)                        | Number of panels. All states were divided into 5 panels for the annual inventory system where 20 percent of the plots in a cycle are measured in a panel. Equal to 5 for annual inventories; null for periodic inventories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| NUMBER_P2_SUBPANELS   | N(2)                        | Number of subpanels. A subpanel is used for spatial de-intensification of the sampling grid. Western states decompose each panel into two subpanels to accommodate a ten-year cycle. Null if subpaneling is not used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| NUMBER_OF_READINGS    | N(3)                        | The number of readings averaged by the GPS unit to calculate the plot coordinates.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| OLD_PLOT_NUMBER       | VC(7)                       | PNW variable. The plot number (if any) used for this location at previous inventories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| P2_HEXAGON_NUMBER     | N(8)                        | Phase 2 hexagon number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| P2PANEL               | N(2)                        | Phase 2 panel number. FIA panel number. This is recorded for inventories begun after 1998. For most inventories begun before 1999, the value of P2PANEL is set to null. Plots on the base grid are measured on a multiple-year cycle with the intention of measuring 1/n (where n is the number of years in the cycle) of the plots (called a panel) every year. The plots in any panel are chosen so they are uniformly distributed within the monitoring area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |
| P2_SUBPANEL           | N(2)                        | Subpanel assignment for plot for those regions using sub-paneling. Null if sub-paneling is not used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                       |     |   |                    |     |   |                     |     |   |                 |     |   |                             |     |    |       |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                | Size                                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
|---------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------------------------------------------------------|-----|---|--------------------------------------------------------------------------------|-----|---|----------------------------------------------------------------------------------------------------|-----|---|------------------------------------------------------------------------------|-----|---|--------------------------------------------------------------------|-----|
| P3PANEL             | N(2)                                                                                               | Phase 3 panel number. Forest Health Monitoring panel number. Before 1999, FHM and FIA were distinct programs and the plots were not necessarily co-located. FIA and FHM field plots are co-located for inventories begun after 1998. The FHM suite of data now collected on a subset of FIA plots are referred to as phase 3 data. Phase 3 data are collected on a 5-year cycle with one-fifth of the plots (called a panel) measured every year. The value for P3PANEL ranges from 0 to 5 for those plots where phase 3 data were collected. The value of P3PANEL for all other plots is null.      |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| P3_HEXAGON_NUMBER   | N(7)                                                                                               | The unique code assigned to each Phase 3 hexagon. This is different than P3 Plot Number that is a 4-digit number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| P3_MEASUREMENT_DATE | DATE                                                                                               | Since the P2 and the P3 field crews will not always be on the plot on the same day(s), the measurement_date column in Nrv_setting_measurements that will store the P2 measurement data may not be adequate to store the P3 measurement date.                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| P3_PLOT_NUMBER      | N(3)                                                                                               | The P3 Plot Numbers that are used to identify individual plots within the same Phase 3 (former FHM) hexagon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| P3_SUBPLOT_STATUS   | VC(1)                                                                                              | <p>This variable comes from the P3 vegetation diversity protocol.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Subplot sampled.</td><td>FIA</td></tr> <tr> <td>2</td><td>Subplot sampled, but portions of the subplot could not be physically occupied.</td><td>FIA</td></tr> <tr> <td>3</td><td>Subplot not sampled because the sum of all forested condition classes make up 50% of subplot area.</td><td>FIA</td></tr> </tbody> </table>                                                                            | Code | Description | Use | 1 | Subplot sampled.                                        | FIA | 2 | Subplot sampled, but portions of the subplot could not be physically occupied. | FIA | 3 | Subplot not sampled because the sum of all forested condition classes make up 50% of subplot area. | FIA |   |                                                                              |     |   |                                                                    |     |
| Code                | Description                                                                                        | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| 1                   | Subplot sampled.                                                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| 2                   | Subplot sampled, but portions of the subplot could not be physically occupied.                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| 3                   | Subplot not sampled because the sum of all forested condition classes make up 50% of subplot area. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| PLOT_LEVEL_NOTES    | VC(200)                                                                                            | Notes pertaining to the entire plot. If the notes apply only to a specific subplot or other specific aspect of the plot, then make that clear in the notes.                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| PLOT_STATUS         | VC(2)                                                                                              | <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Sampled – at least one forest condition present on plot</td><td>FIA</td></tr> <tr> <td>2</td><td>Sampled – no forest condition present on plot</td><td>FIA</td></tr> <tr> <td>3</td><td>Non-sampled</td><td>FIA</td></tr> <tr> <td>4</td><td>Sampled - not ground sampled - at least one forest condition present on plot</td><td>FIA</td></tr> <tr> <td>5</td><td>Sampled – not ground sampled – no forest condition present on plot</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 1 | Sampled – at least one forest condition present on plot | FIA | 2 | Sampled – no forest condition present on plot                                  | FIA | 3 | Non-sampled                                                                                        | FIA | 4 | Sampled - not ground sampled - at least one forest condition present on plot | FIA | 5 | Sampled – not ground sampled – no forest condition present on plot | FIA |
| Code                | Description                                                                                        | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| 1                   | Sampled – at least one forest condition present on plot                                            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| 2                   | Sampled – no forest condition present on plot                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| 3                   | Non-sampled                                                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| 4                   | Sampled - not ground sampled - at least one forest condition present on plot                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| 5                   | Sampled – not ground sampled – no forest condition present on plot                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |
| PRECIPITATION       | N(5,2)                                                                                             | PNW variable. The average annual precipitation in inches on plot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                         |     |   |                                                                                |     |   |                                                                                                    |     |   |                                                                              |     |   |                                                                    |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                       | Size                                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
|----------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------------------------|-----|---|-------------------------------------------------------------|-----|---|---------------------------------------------------------------|-----|---|--------------------------------------------------|-----|---|------------------------------------------------------|-----|---|-------------|--|---|-----------------------------|--|
| PREVIOUS_COORDINATE_METHOD | VC(1)                                                         | <p>PNW variable. How previous plots obtained coordinates.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>D</td><td>Digitized from USGS maps.</td><td>PNW</td></tr> <tr> <td>M</td><td>Digitized (mdsd) from pi photography (usually small scale).</td><td>PNW</td></tr> <tr> <td>P</td><td>Digitized (mdsd) from plot photography (usually large scale).</td><td>PNW</td></tr> <tr> <td>G</td><td>Collected at the plot location using a GPS unit.</td><td>PNW</td></tr> </table>                                                                                    | Code | Description | Use | D | Digitized from USGS maps.         | PNW | M | Digitized (mdsd) from pi photography (usually small scale). | PNW | P | Digitized (mdsd) from plot photography (usually large scale). | PNW | G | Collected at the plot location using a GPS unit. | PNW |   |                                                      |     |   |             |  |   |                             |  |
| Code                       | Description                                                   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| D                          | Digitized from USGS maps.                                     | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| M                          | Digitized (mdsd) from pi photography (usually small scale).   | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| P                          | Digitized (mdsd) from plot photography (usually large scale). | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| G                          | Collected at the plot location using a GPS unit.              | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| PREVIOUS_WAYPOINT_NUMBER   | VC(6)                                                         | PNW variable. If the previous coordinates for this plot have been downloaded as a waypoint into the PLGR GPS unit, this item indicates the plot's 3-digit waypoint number in the PLGR. The waypoint name is in the same format.                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| PREV_SETMEAS_CN            | VC(34)                                                        | Foreign Key to NRV_SETTING_MEASUREMENTS.CN identifying the previously measured plot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| PUBLIC_USE_RESTRICTIONS    | VC(2)                                                         | <p>Public use restriction code. Restrictions posted near or on the plot that limits use of the area containing the plot. New in 1999.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>None - no public use restrictions</td><td>FIA</td></tr> <tr> <td>1</td><td>Keep out / no trespassing</td><td>FIA</td></tr> <tr> <td>2</td><td>No hunting or fishing</td><td>FIA</td></tr> <tr> <td>3</td><td>No dumping</td><td>FIA</td></tr> <tr> <td>9</td><td>Other - specify in plot-level notes</td><td>FIA</td></tr> </table>                                   | Code | Description | Use | 0 | None - no public use restrictions | FIA | 1 | Keep out / no trespassing                                   | FIA | 2 | No hunting or fishing                                         | FIA | 3 | No dumping                                       | FIA | 9 | Other - specify in plot-level notes                  | FIA |   |             |  |   |                             |  |
| Code                       | Description                                                   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 0                          | None - no public use restrictions                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 1                          | Keep out / no trespassing                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 2                          | No hunting or fishing                                         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 3                          | No dumping                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 9                          | Other - specify in plot-level notes                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| QA_STATUS                  | N(1)                                                          | <p>The type of plot data collected</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Standard production plot</td><td>FIA</td></tr> <tr> <td>2</td><td>Cold check</td><td>FIA</td></tr> <tr> <td>3</td><td>Reference plot (off grid)</td><td></td></tr> <tr> <td>4</td><td>Training/practice plot (off grid)</td><td>FIA</td></tr> <tr> <td>5</td><td>Botched plot file (disregard during data processing)</td><td>FIA</td></tr> <tr> <td>6</td><td>Blind check</td><td></td></tr> <tr> <td>7</td><td>Production plot (hot check)</td><td></td></tr> </table> | Code | Description | Use | 1 | Standard production plot          | FIA | 2 | Cold check                                                  | FIA | 3 | Reference plot (off grid)                                     |     | 4 | Training/practice plot (off grid)                | FIA | 5 | Botched plot file (disregard during data processing) | FIA | 6 | Blind check |  | 7 | Production plot (hot check) |  |
| Code                       | Description                                                   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 1                          | Standard production plot                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 2                          | Cold check                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 3                          | Reference plot (off grid)                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 4                          | Training/practice plot (off grid)                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 5                          | Botched plot file (disregard during data processing)          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 6                          | Blind check                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |
| 7                          | Production plot (hot check)                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                   |     |   |                                                             |     |   |                                                               |     |   |                                                  |     |   |                                                      |     |   |             |  |   |                             |  |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name               | Size                                                                                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
|--------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------|------|------------------------------------------------|---|---------------------------------------------------------|---|-------------|---|-----------------------------|
| QA_STATUS_VEG      | VC(1)                                                                                                 | <p>Vegetation quality assurance status. A code indicating the type of vegetation measurement conducted. Production plots have VEG_QA_STATUS = 1 or 7. Often differs from P2 QA_status, but for analysis will always be linked to P2 QA_Status=1 plot data.</p> <table><tr><th>Code</th><th>Description</th></tr><tr><td>1</td><td>Standard production plot</td></tr><tr><td>2</td><td>Cold check</td></tr><tr><td>3</td><td>Reference plot (off grid)</td></tr><tr><td>4</td><td>Training/practice plot (off grid)</td></tr><tr><td>5</td><td>Botched plot file (disregard during data processing)</td></tr><tr><td>6</td><td>Blind check</td></tr><tr><td>7</td><td>Production plot (hot check)</td></tr></table>                                                                                                                                                                                                                                                                                                                    | Code | Description | 1   | Standard production plot                                                   | 2                                              | Cold check                                                                                            | 3 | Reference plot (off grid)                                                                        | 4    | Training/practice plot (off grid)              | 5 | Botched plot file (disregard during data processing)    | 6 | Blind check | 7 | Production plot (hot check) |
| Code               | Description                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 1                  | Standard production plot                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 2                  | Cold check                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 3                  | Reference plot (off grid)                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 4                  | Training/practice plot (off grid)                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 5                  | Botched plot file (disregard during data processing)                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 6                  | Blind check                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 7                  | Production plot (hot check)                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| QUADRAT_STATUS_VEG | VC(1)                                                                                                 | <p>Quadrat status. A code indicating how the quadrat was sampled.</p> <table><tr><th>Code</th><th>Description</th></tr><tr><td>1</td><td>Quadrat sampled (most of the quadrat is in an accessible forest condition)</td></tr><tr><td>2</td><td>Quadrat not sampled because most or all of it does not fall in an accessible forested condition class</td></tr><tr><td>3</td><td>Quadrat sampled, no vascular plants rooted in or overhanging within 6 feet of the ground surface</td></tr><tr><td>4</td><td>Quadrat not sampled, hazard present on quadrat</td></tr><tr><td>5</td><td>Quadrat not sampled, other reason – enter in plot notes</td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr></table> <p>consistent with VEG_VISIT.VEG_MANUAL = 2.0 and higher. If QUADRAT_STATUS is 1 or 3, the quadrat is sampled and data are collected even if no vascular plants are present. If the value entered is 2, 4, or 5, the quadrat was not sampled. This value is derived for VEG_VISIT.VEG_MANUAL = 1.7 plots.</p> | Code | Description | 1   | Quadrat sampled (most of the quadrat is in an accessible forest condition) | 2                                              | Quadrat not sampled because most or all of it does not fall in an accessible forested condition class | 3 | Quadrat sampled, no vascular plants rooted in or overhanging within 6 feet of the ground surface | 4    | Quadrat not sampled, hazard present on quadrat | 5 | Quadrat not sampled, other reason – enter in plot notes | 6 |             | 7 |                             |
| Code               | Description                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 1                  | Quadrat sampled (most of the quadrat is in an accessible forest condition)                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 2                  | Quadrat not sampled because most or all of it does not fall in an accessible forested condition class |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 3                  | Quadrat sampled, no vascular plants rooted in or overhanging within 6 feet of the ground surface      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 4                  | Quadrat not sampled, hazard present on quadrat                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 5                  | Quadrat not sampled, other reason – enter in plot notes                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 6                  |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 7                  |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| RANGE_LAND_PILOT   | VC(1)                                                                                                 | <p>RMRS variable. Indicates if the location falls in a rangeland pilot unit.</p> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>0</td><td>Location is not in a range land pilot unit (n)</td><td>RMRS</td></tr><tr><td>1</td><td>Location is in a range land pilot unit (y)</td><td>RMRS</td></tr></table> <p>The default value for Arizona and Utah is “0”.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Code | Description | Use | 0                                                                          | Location is not in a range land pilot unit (n) | RMRS                                                                                                  | 1 | Location is in a range land pilot unit (y)                                                       | RMRS |                                                |   |                                                         |   |             |   |                             |
| Code               | Description                                                                                           | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 0                  | Location is not in a range land pilot unit (n)                                                        | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |
| 1                  | Location is in a range land pilot unit (y)                                                            | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |                                                                            |                                                |                                                                                                       |   |                                                                                                  |      |                                                |   |                                                         |   |             |   |                             |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                  | Size                                                                                                                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-------------------------------------|-----|---|---------------------------------------------------------------|-----|---|----------------------------------------------------------------------|-----|---|-----------------------------------------------------------------------------------------|-----|---|------------------------------|-----|---|--------------------------------------|-----|---|---------|-----|---|------------------------------------------------------------|-----|---|-----------------------------------------------------------------------------------------------------------------------------------------|-----|
| REC_USE_1             | VC(2)                                                                                                                                   | <p>Recreation use code 1. Primary recreation use within the accessible forest land portion of any of the four subplots, based on evidence such as campfire rings, compacted areas (from tents), hiking trails, bullet or shotgun casings, tree stands, etc.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>No evidence of recreation use.</td><td>FIA</td></tr> <tr> <td>1</td><td>Motor vehicle (four wheel drive, ATV, motorcycle, snowmobile)</td><td>FIA</td></tr> <tr> <td>2</td><td>Horse riding, dog team trails, ski trails</td><td>FIA</td></tr> <tr> <td>3</td><td>Camping</td><td>FIA</td></tr> <tr> <td>4</td><td>Hiking</td><td>FIA</td></tr> <tr> <td>5</td><td>Hunting/shooting</td><td>FIA</td></tr> <tr> <td>6</td><td>Fishing</td><td>FIA</td></tr> <tr> <td>7</td><td>Boating - physical evidence such as launch sites or docks.</td><td>FIA</td></tr> <tr> <td>9</td><td>Other - recreation use where evidence is present, such as human litter, but purpose is not clear or does not fit into above categories.</td><td>FIA</td></tr> </table> | Code | Description | Use | 0 | No evidence of recreation use.      | FIA | 1 | Motor vehicle (four wheel drive, ATV, motorcycle, snowmobile) | FIA | 2 | Horse riding, dog team trails, ski trails                            | FIA | 3 | Camping                                                                                 | FIA | 4 | Hiking                       | FIA | 5 | Hunting/shooting                     | FIA | 6 | Fishing | FIA | 7 | Boating - physical evidence such as launch sites or docks. | FIA | 9 | Other - recreation use where evidence is present, such as human litter, but purpose is not clear or does not fit into above categories. | FIA |
| Code                  | Description                                                                                                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 0                     | No evidence of recreation use.                                                                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 1                     | Motor vehicle (four wheel drive, ATV, motorcycle, snowmobile)                                                                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 2                     | Horse riding, dog team trails, ski trails                                                                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 3                     | Camping                                                                                                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 4                     | Hiking                                                                                                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 5                     | Hunting/shooting                                                                                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 6                     | Fishing                                                                                                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 7                     | Boating - physical evidence such as launch sites or docks.                                                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 9                     | Other - recreation use where evidence is present, such as human litter, but purpose is not clear or does not fit into above categories. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| REC_USE_2             | VC(2)                                                                                                                                   | Recreation use code 2. The second most significant recreational use. Same codes as rec_use_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| REC_USE_3             | VC(2)                                                                                                                                   | Recreation use code 3. The second most significant recreational use. Same codes as rec_use_1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| ROAD_USE_RESTRICTIONS | VC(2)                                                                                                                                   | <p>Road use restrictions code. The kind of access restrictions placed on roads used to travel to the plot starting point. New in 1999.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>None - no road access restrictions.</td><td>FIA</td></tr> <tr> <td>1</td><td>Locked gate or cable access road.</td><td>FIA</td></tr> <tr> <td>2</td><td>Road blocked by a human obstruction, not gate or cable (e.g. mound).</td><td>FIA</td></tr> <tr> <td>3</td><td>Road blocked by natural occurrences (trees blown over road, road or bridge washed out).</td><td>FIA</td></tr> <tr> <td>4</td><td>Posted no motorized vehicle.</td><td>FIA</td></tr> <tr> <td>9</td><td>Other - specify in plot-level notes.</td><td>FIA</td></tr> </table>                                                                                                                                                                                                                                                                                                                              | Code | Description | Use | 0 | None - no road access restrictions. | FIA | 1 | Locked gate or cable access road.                             | FIA | 2 | Road blocked by a human obstruction, not gate or cable (e.g. mound). | FIA | 3 | Road blocked by natural occurrences (trees blown over road, road or bridge washed out). | FIA | 4 | Posted no motorized vehicle. | FIA | 9 | Other - specify in plot-level notes. | FIA |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| Code                  | Description                                                                                                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 0                     | None - no road access restrictions.                                                                                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 1                     | Locked gate or cable access road.                                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 2                     | Road blocked by a human obstruction, not gate or cable (e.g. mound).                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 3                     | Road blocked by natural occurrences (trees blown over road, road or bridge washed out).                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 4                     | Posted no motorized vehicle.                                                                                                            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |
| 9                     | Other - specify in plot-level notes.                                                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                     |     |   |                                                               |     |   |                                                                      |     |   |                                                                                         |     |   |                              |     |   |                                      |     |   |         |     |   |                                                            |     |   |                                                                                                                                         |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name             | Size  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SAMPLE_BASIS_VEG | VC(1) | <p>Vegetation sample basis. A code indicating whether P3 Vegetation and Diversity Structure data were collected on both forested and nonforested portions of a subplot with at least 50% accessible forest, or on accessible forest conditions only. This code affects how data are compiled to determine (a) the total canopy cover by layer, or (b) cover of a species as a percent of the accessible forested portion of a subplot for those subplots with</p> <p>VEG_SUBPLOT.SUBP_ACCESSIBLE_FOREST_PCT &lt; 100.</p> <p>The affects of VEG_SAMPLE_BASIS when adjusting ocular measures of canopy cover on partially forested subplots:</p> <p>When VEG_SAMPLE_BASIS = 1, and</p> <p>SUBP_ACCESSIBLE_FOREST_PCT is less than 100, we make the assumption that cover is spread evenly over the entire subplot in order to calculate the total canopy cover in accessible forest. To calculate the total canopy cover (in any layer) in accessible forest conditions, multiply total canopy cover recorded by the proportion of subplot in forested condition (SUBP_ACCESSIBLE_FOREST_PCT/100%).</p> <p>When VEG_SAMPLE_BASIS = 2, and</p> <p>SUBP_ACCESSIBLE_FOREST_PCT is less than 100, calculate total cover on the accessible forested conditions by dividing the recorded total canopy cover (in any layer) by the proportion of subplot in accessible forested condition (SUBP_ACCESSIBLE_FOREST_PCT/100%).</p> <p>Example: A subplot is 70% in accessible forested condition. The proportion of subplot area in forest condition is 0.70. Species A is present on the subplot with a total cover of 10%, with half its cover on the non-forested portion of the subplot. If this subplot was measured under VEG_SAMPLE_BASIS = 1, cover for species A would have been recorded as 10%. Under VEG_SAMPLE_BASIS = 2, species A would be recorded as 5%. To determine the percent cover of species A in the forested area of the plot: VEG_SAMPLE_BASIS = 1:</p> <p>Cover species A in forested area = 10% <input type="checkbox"/> 0.7 <input type="checkbox"/> 7%</p> <p>VEG_SAMPLE_BASIS = 2 Cover species A in forested area = 5% <input checked="" type="checkbox"/> 1 Data collected across entire subplot where % accessible forest conditions is greater than or equal to 50% (VEG_MANUAL = 1.7). May include non-forest, hazardous, or access denied conditions. 2 Data collected on accessible forest conditions only (VEG_MANUAL = 2.0 and higher)</p> |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name               | Size                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
|--------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|--------------------------------------------------------------|------|----|-------------------------------------------------------|------|----|-------------------------------|------|----|------------------------------------|------|----|---------------------------------------------|------|----|---------------------------|------|---|---------------|------|---|------------------|------|---|--------------|------|---|-----------------|------|
| SIZE_FORESTED_AREA | VC(4)                                                        | <p>RMRS variable. The size of the entire continuous forestland area (all forestland condition classes combined surrounding the LC. Includes any forest condition in any ownership. Use the aerial photographs of the field location to aid in determining the size of the forestland area.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>No forest land on the location</td><td>RMRS</td></tr> <tr> <td>1</td><td>1-5 acres</td><td>RMRS</td></tr> <tr> <td>2</td><td>6-10 acres</td><td>RMRS</td></tr> <tr> <td>3</td><td>11-20 acres</td><td>RMRS</td></tr> <tr> <td>4</td><td>21-40 acres</td><td>RMRS</td></tr> <tr> <td>5</td><td>41-160 acres</td><td>RMRS</td></tr> <tr> <td>6</td><td>161-640 acres</td><td>RMRS</td></tr> <tr> <td>7</td><td>1-5 square miles</td><td>RMRS</td></tr> <tr> <td>8</td><td>&gt;5 sq. miles</td><td>RMRS</td></tr> <tr> <td>9</td><td>Forest Stringer</td><td>RMRS</td></tr> </table> | Code | Description | Use | 0  | No forest land on the location                               | RMRS | 1  | 1-5 acres                                             | RMRS | 2  | 6-10 acres                    | RMRS | 3  | 11-20 acres                        | RMRS | 4  | 21-40 acres                                 | RMRS | 5  | 41-160 acres              | RMRS | 6 | 161-640 acres | RMRS | 7 | 1-5 square miles | RMRS | 8 | >5 sq. miles | RMRS | 9 | Forest Stringer | RMRS |
| Code               | Description                                                  | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 0                  | No forest land on the location                               | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 1                  | 1-5 acres                                                    | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 2                  | 6-10 acres                                                   | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 3                  | 11-20 acres                                                  | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 4                  | 21-40 acres                                                  | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 5                  | 41-160 acres                                                 | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 6                  | 161-640 acres                                                | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 7                  | 1-5 square miles                                             | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 8                  | >5 sq. miles                                                 | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 9                  | Forest Stringer                                              | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| SNOW_WATER_DEPTH   | N(2,1)                                                       | Water or snow depth. The approximate depth (in feet) of water or snow covering the subplot when data were collected. New in 1999.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| SPECIAL_STUDY_CODE | VC(8)                                                        | <p>PNW variable. Is the plot area is within the sample area for Special Study 2001a, which varies from 0 to roughly 50 miles from the coast, and if qualifying trees on this plot are sampled for Platform and Moss Abundance.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>Y</td><td>Qualifying trees are sampled for Platform and Moss Abundance</td><td>PNW</td></tr> <tr> <td>N</td><td>Trees are not sampled for Platform and Moss Abundance</td><td>PNW</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Code | Description | Use | Y  | Qualifying trees are sampled for Platform and Moss Abundance | PNW  | N  | Trees are not sampled for Platform and Moss Abundance | PNW  |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| Code               | Description                                                  | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| Y                  | Qualifying trees are sampled for Platform and Moss Abundance | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| N                  | Trees are not sampled for Platform and Moss Abundance        | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| STATION_ID         | VC(2)                                                        | <p>Research Station Code. Identification number of the Forest Service Research Station.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>22</td><td>Rocky Mountain Research Station</td><td>FIA</td></tr> <tr> <td>23</td><td>North Central Research Station</td><td>FIA</td></tr> <tr> <td>24</td><td>Northeastern Research Station</td><td>FIA</td></tr> <tr> <td>26</td><td>Pacific Northwest Research Station</td><td>FIA</td></tr> <tr> <td>27</td><td>Alaska – Pacific Northwest Research Station</td><td>FIA</td></tr> <tr> <td>33</td><td>Southern Research Station</td><td>FIA</td></tr> </table>                                                                                                                                                                                                                                                                                                                              | Code | Description | Use | 22 | Rocky Mountain Research Station                              | FIA  | 23 | North Central Research Station                        | FIA  | 24 | Northeastern Research Station | FIA  | 26 | Pacific Northwest Research Station | FIA  | 27 | Alaska – Pacific Northwest Research Station | FIA  | 33 | Southern Research Station | FIA  |   |               |      |   |                  |      |   |              |      |   |                 |      |
| Code               | Description                                                  | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 22                 | Rocky Mountain Research Station                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 23                 | North Central Research Station                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 24                 | Northeastern Research Station                                | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 26                 | Pacific Northwest Research Station                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 27                 | Alaska – Pacific Northwest Research Station                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| 33                 | Southern Research Station                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |
| STUDY_NAME         | VC(128)                                                      | Name of FIA study or project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                                                              |      |    |                                                       |      |    |                               |      |    |                                    |      |    |                                             |      |    |                           |      |   |               |      |   |                  |      |   |              |      |   |                 |      |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                     | Size                                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
|--------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------|---|-----------------------------------------------|-----|---|------------|-----|
| SUBDIVISION_CODE         | N(4)                                                             | Subdivision code. Needed for when there is a change to the cycle length within a state. In Region 5 the National Forest System plots were collected over a five year period while the rest of the plots were collected over a ten year period                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| SUBPLOT_CENTER_CONDITION | VC(1)                                                            | Unique identifying number assigned to each condition on a plot. Stores the condition class number of the condition class at the subplot center for subplot records.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| SUBPLOT_CONDITION_LIST   | VC(4)                                                            | This is a core optional variable listing of all condition classes located within the 24.0 ft radius around the subplot center. In regions measuring the Core Optional annular plot; this is a listing of all condition classes located within the 58.9 ft radius around the macro plot center. A maximum of four conditions is permitted at any individual subplot / macro plot. For example, if condition 1 is the only condition class on a subplot, record 1000.                                                                                                                                                     |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| SUBPLOT_STATUS           | VC(1)                                                            | Does this subplot or annual plot currently have at least one accessible forested condition class? In Regions measuring the CORE OPTIONAL macro plot, indicates if this macro plot currently has at least one forested condition class. <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>1</td><td>Sampled – at least one forest condition present on plot</td><td>FIA</td></tr><tr><td>2</td><td>Sampled – no forest condition present on plot</td><td>FIA</td></tr><tr><td>3</td><td>Nonsampled</td><td>FIA</td></tr></table>                                                                      | Code | Description | Use | 1                                                               | Sampled – at least one forest condition present on plot | FIA                                                              | 2 | Sampled – no forest condition present on plot | FIA | 3 | Nonsampled | FIA |
| Code                     | Description                                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| 1                        | Sampled – at least one forest condition present on plot          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| 2                        | Sampled – no forest condition present on plot                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| 3                        | Nonsampled                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| SUBPLOT_STATUS_VEG       | VC(1)                                                            | Vegetation subplot status code. A code indicating the vegetation subplot status as recorded when VEG_VISIT.VEG_MANUAL = 2.0 and higher. This value is derived when VEG_VISIT.VEG_MANUAL = 1.7 from P2 condition data, plot notes, and availability of various field-recorded records (e.g., subplot species and subplot totals.) <table><tr><th>Code</th><th>Description</th></tr><tr><td>1</td><td>Sampled – at least one accessible forest land condition present</td></tr><tr><td>2</td><td>Sampled – no accessible forest land condition present on subplot</td></tr><tr><td>3</td><td>Nonsampled</td></tr></table> | Code | Description | 1   | Sampled – at least one accessible forest land condition present | 2                                                       | Sampled – no accessible forest land condition present on subplot | 3 | Nonsampled                                    |     |   |            |     |
| Code                     | Description                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| 1                        | Sampled – at least one accessible forest land condition present  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| 2                        | Sampled – no accessible forest land condition present on subplot |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| 3                        | Nonsampled                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |
| TIME_ON_PLOT             | N(3,1)                                                           | Record the number of person-hours it took to measure all items on the plot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |                                                                 |                                                         |                                                                  |   |                                               |     |   |            |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name                | Size                                                                                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|---|------------------------|-----|---|-----------------------|-----|---|---------------------|-----|---|-------------------------------------------|-----|---|----------------------------------------------------|-----|
| TRACE_COVER_ALLOWED | VC(1)                                                                                                                                             | <p>Trace cover allowed. A code indicating whether plant cover values of less than one percent were recorded as 1 or 0.01 percent (collected as “t” in the field). The ability to enter trace as 0.01% was added starting with VEG_MANUAL = 2.0.1.</p> <table><tr><th>Code</th><th>Description</th></tr><tr><td>0</td><td>Trace cover value (0.01%, recorded as “t” in the field)<br/>not allowed; trace cover entered as full one percent<br/>(VEG_MANUAL = 2.0 and earlier)</td></tr><tr><td>1</td><td>Trace cover value (0.01%, recorded as “t” in the field)<br/>allowed for species canopy cover records<br/>(VEG_MANUAL = 2.0.1 and later)</td></tr></table>                                                      | Code | Description | 0   | Trace cover value (0.01%, recorded as “t” in the field)<br>not allowed; trace cover entered as full one percent<br>(VEG_MANUAL = 2.0 and earlier) | 1                   | Trace cover value (0.01%, recorded as “t” in the field)<br>allowed for species canopy cover records<br>(VEG_MANUAL = 2.0.1 and later) |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| Code                | Description                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 0                   | Trace cover value (0.01%, recorded as “t” in the field)<br>not allowed; trace cover entered as full one percent<br>(VEG_MANUAL = 2.0 and earlier) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 1                   | Trace cover value (0.01%, recorded as “t” in the field)<br>allowed for species canopy cover records<br>(VEG_MANUAL = 2.0.1 and later)             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| TRAILS_OR_ROADS     | VC(2)                                                                                                                                             | <p>Trail or road code. The type of trail or road that is closest to the plot and within 1 mile of plot center. If two or more roads are the same distance away, the higher quality one is recorded. New in 1999.</p> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>0</td><td>None within 1 mile.</td><td>FIA</td></tr><tr><td>1</td><td>Paved road or highway.</td><td>FIA</td></tr><tr><td>2</td><td>Improved gravel road.</td><td>FIA</td></tr><tr><td>3</td><td>Improved dirt road.</td><td>FIA</td></tr><tr><td>4</td><td>Unimproved dirt or four-wheel drive road.</td><td>FIA</td></tr><tr><td>5</td><td>Human access trail primarily for recreational use.</td><td>FIA</td></tr></table> | Code | Description | Use | 0                                                                                                                                                 | None within 1 mile. | FIA                                                                                                                                   | 1 | Paved road or highway. | FIA | 2 | Improved gravel road. | FIA | 3 | Improved dirt road. | FIA | 4 | Unimproved dirt or four-wheel drive road. | FIA | 5 | Human access trail primarily for recreational use. | FIA |
| Code                | Description                                                                                                                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 0                   | None within 1 mile.                                                                                                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 1                   | Paved road or highway.                                                                                                                            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 2                   | Improved gravel road.                                                                                                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 3                   | Improved dirt road.                                                                                                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 4                   | Unimproved dirt or four-wheel drive road.                                                                                                         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 5                   | Human access trail primarily for recreational use.                                                                                                | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| VOLUME_GROWTH_CODE  | VC(2)                                                                                                                                             | <p>Code for type of annual volume growth. Indicates how volume growth is estimated. Current annual growth is an estimate of the change in volume that occurred in a 1-year period ending when the plot was measured. Periodic annual growth is an estimate of the average annual change in volume occurring between two measurements, usually the current cycle and previous cycle.</p> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>1</td><td>Current annual</td><td>FIA</td></tr><tr><td>2</td><td>Periodic annual</td><td>FIA</td></tr></table>                                                                                                                                             | Code | Description | Use | 1                                                                                                                                                 | Current annual      | FIA                                                                                                                                   | 2 | Periodic annual        | FIA |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| Code                | Description                                                                                                                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 1                   | Current annual                                                                                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |
| 2                   | Periodic annual                                                                                                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |                                                                                                                                                   |                     |                                                                                                                                       |   |                        |     |   |                       |     |   |                     |     |   |                                           |     |   |                                                    |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

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|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|----------------------------------------------------------------------------|-----|---|---------------------------------------------------------------------|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|--------------------|-----|---|-------------------------------------------------------------------------------------|-----|---|------------------------------------------------|-----|
| WATER_AZIMUTH | N(3)                                                                                                                                                                    | The azimuth from the center of subplot 1 to a water source within 200 feet. The azimuth to the point where the distance was measured. Measurement Quality Objectives: +/- 10 degrees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |
| WATER_ON_PLOT | VC(2)                                                                                                                                                                   | <p>Water on plot code. Water body less than 1 acre in size or a stream less than 30 feet wide that has the greatest impact on the area within the forest land portion of the four subplots. The coding hierarchy is listed in order from large permanent water to temporary water. New in 1999.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>None – no water sources within the accessible forest land. CONDITION CLASS</td><td>FIA</td></tr> <tr> <td>1</td><td>Permanent streams or ponds too small to qualify as noncensus water.</td><td>FIA</td></tr> <tr> <td>2</td><td>Permanent water in the form of deep swamps, bogs, marshes without standing trees present or with standing trees and less than 1.0 acre in size, or with standing trees.</td><td>FIA</td></tr> <tr> <td>3</td><td>Ditch/canal - human made channels used as a means of moving water, e.g. for irrigation or drainage that are too small to qualify as noncensus water.</td><td>FIA</td></tr> <tr> <td>4</td><td>Temporary streams.</td><td>FIA</td></tr> <tr> <td>5</td><td>Flood zones - evidence of flooding when bodies of water exceed their natural banks.</td><td>FIA</td></tr> <tr> <td>9</td><td>Other temporary water - specify in plot notes.</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 0 | None – no water sources within the accessible forest land. CONDITION CLASS | FIA | 1 | Permanent streams or ponds too small to qualify as noncensus water. | FIA | 2 | Permanent water in the form of deep swamps, bogs, marshes without standing trees present or with standing trees and less than 1.0 acre in size, or with standing trees. | FIA | 3 | Ditch/canal - human made channels used as a means of moving water, e.g. for irrigation or drainage that are too small to qualify as noncensus water. | FIA | 4 | Temporary streams. | FIA | 5 | Flood zones - evidence of flooding when bodies of water exceed their natural banks. | FIA | 9 | Other temporary water - specify in plot notes. | FIA |
| Code          | Description                                                                                                                                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |
| 0             | None – no water sources within the accessible forest land. CONDITION CLASS                                                                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |
| 1             | Permanent streams or ponds too small to qualify as noncensus water.                                                                                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |
| 2             | Permanent water in the form of deep swamps, bogs, marshes without standing trees present or with standing trees and less than 1.0 acre in size, or with standing trees. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |
| 3             | Ditch/canal - human made channels used as a means of moving water, e.g. for irrigation or drainage that are too small to qualify as noncensus water.                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |
| 4             | Temporary streams.                                                                                                                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |
| 5             | Flood zones - evidence of flooding when bodies of water exceed their natural banks.                                                                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |
| 9             | Other temporary water - specify in plot notes.                                                                                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                                            |     |   |                                                                     |     |   |                                                                                                                                                                         |     |   |                                                                                                                                                      |     |   |                    |     |   |                                                                                     |     |   |                                                |     |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name            | Size                                                                                                                                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-------------------------------------------------------------------|------|----|----------------------------------------------------------------------|------|----|-------------------------------------------------------------------------------------|------|----|----------------------------------------------------------------------------------|------|----|--------------------------------------------------------------------------------------|------|----|-----------------------------------------------------------------------------------|------|----|-----------------------------------------------------------------------------------|------|----|-----------------------------------------------|------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| WATER_PROXIMITY | N(4)                                                                                                                                                                       | <p>PNW variable. The horizontal distance in feet from the edge of the water source to the subplot center. If there is no water source within 215 feet horizontal distance of subplot center, record '000'. Valid values are 000 through 215.RMRS variable. The distance from the LC to the nearest permanent or reliable source of surface water for any use. Only examine water sources within 1 mile of the LC.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>Adjacent (200 feet or less)</td><td>RMRS</td></tr> <tr> <td>1</td><td>201-300 feet</td><td>RMRS</td></tr> <tr> <td>2</td><td>301-500 feet</td><td>RMRS</td></tr> <tr> <td>4</td><td>701-900 feet</td><td>RMRS</td></tr> <tr> <td>5</td><td>901-1100 feet</td><td>RMRS</td></tr> <tr> <td>6</td><td>1101-1320 feet</td><td>RMRS</td></tr> <tr> <td>7</td><td>1/4 - 1/2 mile</td><td>RMRS</td></tr> <tr> <td>8</td><td>1/2 - 1 mile</td><td>RMRS</td></tr> <tr> <td>9</td><td>None (no water source within 1 mile)</td><td>RMRS</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                           | Code | Description | Use | 0  | Adjacent (200 feet or less)                                       | RMRS | 1  | 201-300 feet                                                         | RMRS | 2  | 301-500 feet                                                                        | RMRS | 4  | 701-900 feet                                                                     | RMRS | 5  | 901-1100 feet                                                                        | RMRS | 6  | 1101-1320 feet                                                                    | RMRS | 7  | 1/4 - 1/2 mile                                                                    | RMRS | 8  | 1/2 - 1 mile                                  | RMRS | 9  | None (no water source within 1 mile)                                                                                                                                       | RMRS |
| Code            | Description                                                                                                                                                                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 0               | Adjacent (200 feet or less)                                                                                                                                                | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 1               | 201-300 feet                                                                                                                                                               | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 2               | 301-500 feet                                                                                                                                                               | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 4               | 701-900 feet                                                                                                                                                               | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 5               | 901-1100 feet                                                                                                                                                              | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 6               | 1101-1320 feet                                                                                                                                                             | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 7               | 1/4 - 1/2 mile                                                                                                                                                             | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 8               | 1/2 - 1 mile                                                                                                                                                               | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 9               | None (no water source within 1 mile)                                                                                                                                       | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| WATER_SOURCE    | VC(2)                                                                                                                                                                      | <p>A description of the water - streams of varying widths, impoundments of various sizes, etc.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>00</td><td>None - no permanent or intermittent water source within 200 feet.</td><td>FIA</td></tr> <tr> <td>01</td><td>Permanent water best characterized as deep swamps, bogs, or marshes.</td><td>FIA</td></tr> <tr> <td>02</td><td>Permanent water best characterized as streams or canals less than 30 feet in width.</td><td>FIA</td></tr> <tr> <td>03</td><td>Permanent water best characterized as streams or canals 30 to 200 feet in width.</td><td>FIA</td></tr> <tr> <td>04</td><td>Permanent water best characterized as streams or canals more than 200 feet in width.</td><td>FIA</td></tr> <tr> <td>05</td><td>Permanent water best characterized as lakes or ponds less than 4.5 acres in size.</td><td>FIA</td></tr> <tr> <td>06</td><td>Permanent water best characterized as lakes or ponds 4.5 acres or larger in size.</td><td>FIA</td></tr> <tr> <td>07</td><td>Permanent water not described in codes 01-06.</td><td>FIA</td></tr> <tr> <td>08</td><td>Intermittent water - seasonal and well-defined stream channel or water body that is dry for long periods, but generally flows or contains water throughout the wet season.</td><td>FIA</td></tr> </tbody> </table> | Code | Description | Use | 00 | None - no permanent or intermittent water source within 200 feet. | FIA  | 01 | Permanent water best characterized as deep swamps, bogs, or marshes. | FIA  | 02 | Permanent water best characterized as streams or canals less than 30 feet in width. | FIA  | 03 | Permanent water best characterized as streams or canals 30 to 200 feet in width. | FIA  | 04 | Permanent water best characterized as streams or canals more than 200 feet in width. | FIA  | 05 | Permanent water best characterized as lakes or ponds less than 4.5 acres in size. | FIA  | 06 | Permanent water best characterized as lakes or ponds 4.5 acres or larger in size. | FIA  | 07 | Permanent water not described in codes 01-06. | FIA  | 08 | Intermittent water - seasonal and well-defined stream channel or water body that is dry for long periods, but generally flows or contains water throughout the wet season. | FIA  |
| Code            | Description                                                                                                                                                                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 00              | None - no permanent or intermittent water source within 200 feet.                                                                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 01              | Permanent water best characterized as deep swamps, bogs, or marshes.                                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 02              | Permanent water best characterized as streams or canals less than 30 feet in width.                                                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 03              | Permanent water best characterized as streams or canals 30 to 200 feet in width.                                                                                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 04              | Permanent water best characterized as streams or canals more than 200 feet in width.                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 05              | Permanent water best characterized as lakes or ponds less than 4.5 acres in size.                                                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 06              | Permanent water best characterized as lakes or ponds 4.5 acres or larger in size.                                                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 07              | Permanent water not described in codes 01-06.                                                                                                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |
| 08              | Intermittent water - seasonal and well-defined stream channel or water body that is dry for long periods, but generally flows or contains water throughout the wet season. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                                                                   |      |    |                                                                      |      |    |                                                                                     |      |    |                                                                                  |      |    |                                                                                      |      |    |                                                                                   |      |    |                                                                                   |      |    |                                               |      |    |                                                                                                                                                                            |      |

**NRV\_FIA\_SETTING\_MEASUREMENTS (cont.)**

| Name       | Size            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
|------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|------|------|---|-----------|------|---|--------------|------|---|----------|------|---|-----------|------|---|-----------------|------|---|------------|------|---|-------|------|
| WATER_TYPE | VC(2)           | <p>RMRS variable. The type of water source used in determining water proximity.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>None</td><td>RMRS</td></tr> <tr> <td>1</td><td>Perennial</td><td>RMRS</td></tr> <tr> <td>2</td><td>Intermittent</td><td>RMRS</td></tr> <tr> <td>3</td><td>Not used</td><td>RMRS</td></tr> <tr> <td>4</td><td>Ephemeral</td><td>RMRS</td></tr> <tr> <td>5</td><td>Catchment basin</td><td>RMRS</td></tr> <tr> <td>6</td><td>Irrigation</td><td>RMRS</td></tr> <tr> <td>7</td><td>Other</td><td>RMRS</td></tr> </tbody> </table> | Code | Description | Use | 0 | None | RMRS | 1 | Perennial | RMRS | 2 | Intermittent | RMRS | 3 | Not used | RMRS | 4 | Ephemeral | RMRS | 5 | Catchment basin | RMRS | 6 | Irrigation | RMRS | 7 | Other | RMRS |
| Code       | Description     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
| 0          | None            | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
| 1          | Perennial       | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
| 2          | Intermittent    | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
| 3          | Not used        | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
| 4          | Ephemeral       | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
| 5          | Catchment basin | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
| 6          | Irrigation      | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |
| 7          | Other           | RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |      |      |   |           |      |   |              |      |   |          |      |   |           |      |   |                 |      |   |            |      |   |       |      |

**NRV\_FIA\_TREE\_MEASUREMENTS**

This table describes tree measurements collected on an FIA grid plot above and beyond those attributes defined in Nrv\_tree\_measurements.

| Name                                   | Size                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
|----------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|--------------------------|-----|---|------------------------------------|-----|--|-----------------------------------------|-----|
| CN<br><i>Required</i>                  | VC(34)                                  | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| CREATED_BY<br><i>Required</i>          | VC(30)                                  | The name of the person who created the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| CREATED_DATE<br><i>Required</i>        | DATE                                    | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                                    | The database server ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| TREMEAS_CN<br><i>Required</i>          | VC(34)                                  | Foreign key to Nrv_tree_measurements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)                                  | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| CAVITY_PRESENCE                        | VC(1)                                   | <p>PNW variable. Tree wildlife use. A cavity must be able to be used by wildlife to be coded. Record for all live and standing dead tally trees <math>\geq 5.0</math> inches.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>No cavity or den present</td><td>PNW</td></tr> <tr> <td>1</td><td>Cavity or den present &lt; 6.0 inch s</td><td>PNW</td></tr> <tr> <td></td><td>Cavity or den present <math>\geq 6.0</math> inches</td><td>PNW</td></tr> </tbody> </table> | Code | Description | Use | 0 | No cavity or den present | PNW | 1 | Cavity or den present < 6.0 inch s | PNW |  | Cavity or den present $\geq 6.0$ inches | PNW |
| Code                                   | Description                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| 0                                      | No cavity or den present                | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| 1                                      | Cavity or den present < 6.0 inch s      | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
|                                        | Cavity or den present $\geq 6.0$ inches | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |
| COUNT_METHOD                           | VC(1)                                   | <p>Tree count. Valid codes:</p> <p>E = Estimated<br/>M = Measured</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                          |     |   |                                    |     |  |                                         |     |

**NRV\_FIA\_TREE\_MEASUREMENTS (cont.)**

| Name                 | Size                                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
|----------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|------------------------------|-----|----|-----------------------------------------------------------|-----|----|---------------------------------------------------|-----|----|-----------------------------------------------------------|-----|----|----------------------------------------------------|-----|----|----------------------------------------------------|-----|----|---------|-----|
| CROWN_CHECK          | VC(1)                                                     | <p>Estimates crown condition in relation to a typical tree for the site where it is found.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>rown com letely visible</td><td>FIA</td></tr> <tr> <td>1</td><td>Crown completely visible with one side completely missing</td><td>FIA</td></tr> <tr> <td>2</td><td>Obstructed view of crown</td><td>FIA</td></tr> <tr> <td>3</td><td>Obstructed view of crown with one side completely missing</td><td>FIA</td></tr> <tr> <td>4</td><td>Crowns outside measurement window for P3</td><td>FIA</td></tr> <tr> <td>5</td><td>Deciduous crowns outside measurement window for P2</td><td>FIA</td></tr> </table> | Code | Description | Use | 0  | rown com letely visible      | FIA | 1  | Crown completely visible with one side completely missing | FIA | 2  | Obstructed view of crown                          | FIA | 3  | Obstructed view of crown with one side completely missing | FIA | 4  | Crowns outside measurement window for P3           | FIA | 5  | Deciduous crowns outside measurement window for P2 | FIA |    |         |     |
| Code                 | Description                                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 0                    | rown com letely visible                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 1                    | Crown completely visible with one side completely missing | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 2                    | Obstructed view of crown                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 3                    | Obstructed view of crown with one side completely missing | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 4                    | Crowns outside measurement window for P3                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 5                    | Deciduous crowns outside measurement window for P2        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| CROWN_DENSITY        | N(3)                                                      | <p>Estimates crown condition in relation to a typical tree for the site where it is found.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>00</td><td>0%</td><td>FIA</td></tr> <tr> <td>05</td><td>1-5%</td><td>FIA</td></tr> <tr> <td>10</td><td>6-10%</td><td>FIA</td></tr> <tr> <td>15</td><td>11-15%</td><td>FIA</td></tr> <tr> <td>20</td><td>16-20%</td><td>FIA</td></tr> <tr> <td>95</td><td>91-95%</td><td>FIA</td></tr> <tr> <td>99</td><td>96-1005</td><td>FIA</td></tr> </table>                                                                                                                                                                       | Code | Description | Use | 00 | 0%                           | FIA | 05 | 1-5%                                                      | FIA | 10 | 6-10%                                             | FIA | 15 | 11-15%                                                    | FIA | 20 | 16-20%                                             | FIA | 95 | 91-95%                                             | FIA | 99 | 96-1005 | FIA |
| Code                 | Description                                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 00                   | 0%                                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 05                   | 1-5%                                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 10                   | 6-10%                                                     | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 15                   | 11-15%                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 20                   | 16-20%                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 95                   | 91-95%                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 99                   | 96-1005                                                   | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| CROWN_DIEBACK        | N(3)                                                      | <p>Estimates reflect the severity of recent stresses on a tree. Estimate crown dieback as a percentage of the live crown area, including the dieback area. Uses the same coding scheme as the crown_density column.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| CROWN_LIGHT_EXPOSURE | VC(1)                                                     | <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Tree receives no full light.</td><td>FIA</td></tr> <tr> <td>1</td><td>Tree receives full light from the top or 1 side.</td><td>FIA</td></tr> <tr> <td>2</td><td>Tree receives full light from the top and 1 side.</td><td>FIA</td></tr> <tr> <td>3</td><td>Tree receives full light from the top and 2 sides.</td><td>FIA</td></tr> <tr> <td>4</td><td>Tree receives full light from the top and 3 sides.</td><td>FIA</td></tr> <tr> <td>5</td><td>Tree receives full light from the top and 4 sides.</td><td>FIA</td></tr> </table>                                                                        | Code | Description | Use | 0  | Tree receives no full light. | FIA | 1  | Tree receives full light from the top or 1 side.          | FIA | 2  | Tree receives full light from the top and 1 side. | FIA | 3  | Tree receives full light from the top and 2 sides.        | FIA | 4  | Tree receives full light from the top and 3 sides. | FIA | 5  | Tree receives full light from the top and 4 sides. | FIA |    |         |     |
| Code                 | Description                                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 0                    | Tree receives no full light.                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 1                    | Tree receives full light from the top or 1 side.          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 2                    | Tree receives full light from the top and 1 side.         | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 3                    | Tree receives full light from the top and 2 sides.        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 4                    | Tree receives full light from the top and 3 sides.        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |
| 5                    | Tree receives full light from the top and 4 sides.        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                              |     |    |                                                           |     |    |                                                   |     |    |                                                           |     |    |                                                    |     |    |                                                    |     |    |         |     |

**NRV\_FIA\_TREE\_MEASUREMENTS (cont.)**

| Name                 | Size                                                                                                                                                                                                                                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|-----------------------------------------------------------|-----|---|------------------------------------------------------------------------------------------------------------------------------|-----|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|---------------------------------------------------------------------------------------------------|-----|---|---------------------------------|-----|
| DIAMETER_CHECK       | N(2)                                                                                                                                                                                                                                                                            | <p>Core Variable</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Diameter accurately measured at standard measurement locations.</td><td>FIA</td></tr> <tr> <td>1</td><td>Diameter estimated at standard measurement location.</td><td>FIA</td></tr> <tr> <td>2</td><td>Diameter accurately measured at non-standard location.</td><td>FIA</td></tr> <tr> <td>3</td><td>Diameter estimated at non-standard location.</td><td>FIA</td></tr> <tr> <td>4</td><td>Diameter measured at nonstandard location on tree, but not same location as previous Measurement.</td><td>FIA</td></tr> <tr> <td>5</td><td>Diameter modeled in the office.</td><td>FIA</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                | Code | Description | Use | 0 | Diameter accurately measured at standard measurement locations.                                                                                                                                      | FIA | 1 | Diameter estimated at standard measurement location.      | FIA | 2 | Diameter accurately measured at non-standard location.                                                                       | FIA | 3 | Diameter estimated at non-standard location.                                                                                                                                                                                                                                    | FIA | 4 | Diameter measured at nonstandard location on tree, but not same location as previous Measurement. | FIA | 5 | Diameter modeled in the office. | FIA |
| Code                 | Description                                                                                                                                                                                                                                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 0                    | Diameter accurately measured at standard measurement locations.                                                                                                                                                                                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 1                    | Diameter estimated at standard measurement location.                                                                                                                                                                                                                            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 2                    | Diameter accurately measured at non-standard location.                                                                                                                                                                                                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 3                    | Diameter estimated at non-standard location.                                                                                                                                                                                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 4                    | Diameter measured at nonstandard location on tree, but not same location as previous Measurement.                                                                                                                                                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 5                    | Diameter modeled in the office.                                                                                                                                                                                                                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| DIAMETER_PREVIOUS    | N(5,2)                                                                                                                                                                                                                                                                          | The previous diameter (in inches) of the sample tree at the point of diameter measurement where TREE.CYCLE=PLOT.LASTCYCLEMEASURED and TREE.SUBCYCLE=PLOT.LASTSUBCYCLEMEASURED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| FIA_TREE_STATUS      | VC(1)                                                                                                                                                                                                                                                                           | <p>Tree status code. Identifies whether the sample tree is live, cut, or dead. Includes only dead and cut trees required to estimate aboveground biomass and net annual volume for growth, mortality, and removals.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>No status – tree is not presently in the sample (re-measurement plots only). Tree was incorrectly tallied at the previous survey or currently is not tallied due to definition or procedural change.</td><td></td></tr> <tr> <td>1</td><td>Live tree – any live tree (new, re-measured, or ingrowth)</td><td>FIA</td></tr> <tr> <td>2</td><td>Dead tree – any dead tree (new, re-measured, or ingrowth) regardless of cause of death, which does not qualify as a removal.</td><td>FIA</td></tr> <tr> <td>3</td><td>Removal – a tree that has been cut or killed by direct human activity related to harvesting, silviculture or land clearing (re-measurement plots only). The tree may, or may not, have been utilized. Only code trees killed by fires as removals, if it was a prescribed burn.</td><td>FIA</td></tr> </table> | Code | Description | Use | 0 | No status – tree is not presently in the sample (re-measurement plots only). Tree was incorrectly tallied at the previous survey or currently is not tallied due to definition or procedural change. |     | 1 | Live tree – any live tree (new, re-measured, or ingrowth) | FIA | 2 | Dead tree – any dead tree (new, re-measured, or ingrowth) regardless of cause of death, which does not qualify as a removal. | FIA | 3 | Removal – a tree that has been cut or killed by direct human activity related to harvesting, silviculture or land clearing (re-measurement plots only). The tree may, or may not, have been utilized. Only code trees killed by fires as removals, if it was a prescribed burn. | FIA |   |                                                                                                   |     |   |                                 |     |
| Code                 | Description                                                                                                                                                                                                                                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 0                    | No status – tree is not presently in the sample (re-measurement plots only). Tree was incorrectly tallied at the previous survey or currently is not tallied due to definition or procedural change.                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 1                    | Live tree – any live tree (new, re-measured, or ingrowth)                                                                                                                                                                                                                       | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 2                    | Dead tree – any dead tree (new, re-measured, or ingrowth) regardless of cause of death, which does not qualify as a removal.                                                                                                                                                    | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| 3                    | Removal – a tree that has been cut or killed by direct human activity related to harvesting, silviculture or land clearing (re-measurement plots only). The tree may, or may not, have been utilized. Only code trees killed by fires as removals, if it was a prescribed burn. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |
| FOLIAGE_TRANSPARENCY | VC(2)                                                                                                                                                                                                                                                                           | Is the amount of skylight visible through the live, normally foliated portion of the crown?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                                                                                                                                                      |     |   |                                                           |     |   |                                                                                                                              |     |   |                                                                                                                                                                                                                                                                                 |     |   |                                                                                                   |     |   |                                 |     |

**NRV\_FIA\_TREE\_MEASUREMENTS (cont.)**

| Name                 | Size                                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
|----------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------------------------------------|-----|---|----------------------------------------------------------------------------------------------------------|-----|---|---------------------------------------|-----|
| FORM_CLASS           | VC(1)                                                                                                    | <p>PNW variable. Record for all live hardwood trees tallied that are <math>\geq 5.0</math> inch DBH/DRC. Form class is used in calculating net tree volume. When collected: on all hardwoods (and conifers in R5 national forests).</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>First 8 feet above stump is straight.</td><td>PNW</td></tr> <tr> <td>2</td><td>First 8 feet above stump is not straight; but must have at least one straight log elsewhere in the tree.</td><td>PNW</td></tr> <tr> <td>3</td><td>No logs anywhere in tree due to form.</td><td>PNW</td></tr> </tbody> </table> | Code | Description | Use | 1 | First 8 feet above stump is straight. | PNW | 2 | First 8 feet above stump is not straight; but must have at least one straight log elsewhere in the tree. | PNW | 3 | No logs anywhere in tree due to form. | PNW |
| Code                 | Description                                                                                              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| 1                    | First 8 feet above stump is straight.                                                                    | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| 2                    | First 8 feet above stump is not straight; but must have at least one straight log elsewhere in the tree. | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| 3                    | No logs anywhere in tree due to form.                                                                    | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| HARDWOOD_CLUMP       | VC(1)                                                                                                    | PNW variable. Is a hardwood part of a clump? The clump is assigned a clump number, and the number is recorded for each hardwood tallied that is part of the clump. If a hardwood is not part of a clump, "0" is recorded for the trees. Clumps with tallied trees are numbered in consecutive order on a subplot starting with "1". When collected, all live hardwood trees $\geq 1.0$ inches DBH/DRC, live hardwood seedlings. Values = 0 to 9.                                                                                                                                                                                                                              |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| MODIFIED_BY          | VC(30)                                                                                                   | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| MODIFIED_DATE        | DATE                                                                                                     | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| MODIFIED_IN_INSTANCE | N(6)                                                                                                     | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| MOSS_ABUNDANCE       | N(2)                                                                                                     | PNW variable. Estimate the percentage of the surface area on the horizontal surface or top of each limb covered by moss only; do not include other epiphytes such as lichens. Estimate the moss coverage on the horizontal surface of all visible limbs in the lower two thirds of the live tree crown, then average across ALL limbs within the lower two thirds of the crown. Values: 0 to 99.                                                                                                                                                                                                                                                                              |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| OLD_TAG_ID           | VC(9)                                                                                                    | Old tag id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| PAST_CONDITION_ID    | VC(1)                                                                                                    | RMRS variable. Verify for previously tallied trees. Correct if an obvious error exists and make a note in tree notes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| PAST_TREE_STATUS     | VC(1)                                                                                                    | RMRS variable. If the past tree status appears to be incorrect, record an estimated past tree status.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| PLATFORM_ABUNDANCE   | N(2)                                                                                                     | PNW variable. The number of limbs that contain one or more platforms. When collected: All live conifer tally trees $\geq 20.0$ inches DBH on plots where special study 2001a = Yes. A tree with 10 or greater limbs with one or more platforms shall be tallied as 10. Values = 0 to 10.                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| PREVIOUS_CONDITION   | VC(1)                                                                                                    | The condition within the plot on which the tree occurred at the previous inventory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| PREVIOUS_SUBCYCLE    | N(2)                                                                                                     | The subcycle of the tree's previous condition. (In some instances, a plot may have been measured more than once during an inventory cycle. Subcycle is then needed to uniquely identify the previous condition).                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |
| PREVIOUS_TAG_ID      | N(9)                                                                                                     | PNW variable. On all lands, if the plot was a R6CVS plot, R5 inventory plot, or PNW-FIA plot at the previous visit, record the number that is on the CVS tag, R5 number tag, or PNW-FIA number tag. Reuse PNW-FIA number tags when appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                       |     |   |                                                                                                          |     |   |                                       |     |

**NRV\_FIA\_TREE\_MEASUREMENTS (cont.)**

| Name                | Size                                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
|---------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------------------------------------------------------------------------------|-----|---|------------------------------------------------------------------------------------|-----|---|------------------------------------------------------------------------------------------------|-----|---|-----------------------------------------------------------------------------------------|-----|
| RECONCILIATION_CODE | VC(1)                                                                                          | <p>New Tree Reconcile code:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Ingrowth – new tally tree not qualifying a through growth (include reversions).</td><td>FIA</td></tr> <tr> <td>2</td><td>Through growth – new tally tree 5 inches DBH/DRC and larger, within the microplot.</td><td>FIA</td></tr> <tr> <td>3</td><td>Missed live – a live tree missed at previous inventory and that is live, dead, or removed now.</td><td>FIA</td></tr> <tr> <td>4</td><td>Missed dead – a dead tree missed at previous inventory and that is dead or removed now.</td><td>FIA</td></tr> </table> | Code | Description | Use | 1 | Ingrowth – new tally tree not qualifying a through growth (include reversions). | FIA | 2 | Through growth – new tally tree 5 inches DBH/DRC and larger, within the microplot. | FIA | 3 | Missed live – a live tree missed at previous inventory and that is live, dead, or removed now. | FIA | 4 | Missed dead – a dead tree missed at previous inventory and that is dead or removed now. | FIA |
| Code                | Description                                                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| 1                   | Ingrowth – new tally tree not qualifying a through growth (include reversions).                | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| 2                   | Through growth – new tally tree 5 inches DBH/DRC and larger, within the microplot.             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| 3                   | Missed live – a live tree missed at previous inventory and that is live, dead, or removed now. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| 4                   | Missed dead – a dead tree missed at previous inventory and that is dead or removed now.        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| REMNANT_TREE        | VC(1)                                                                                          | <p>PNW variable. A remnant tree is a tree left by previous management activity or catastrophic event that is significantly older than the surrounding vegetation. Remnant trees do not form a canopy layer and are usually isolated individuals or small clumps.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>No</td><td>PNW</td></tr> <tr> <td>1</td><td>Yes</td><td>PNW</td></tr> </table>                                                                                                                                                                                                 | Code | Description | Use | 0 | No                                                                              | PNW | 1 | Yes                                                                                | PNW |   |                                                                                                |     |   |                                                                                         |     |
| Code                | Description                                                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| 0                   | No                                                                                             | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| 1                   | Yes                                                                                            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| SALVABLE_CODE       | N(2)                                                                                           | <p>Salvable dead code. A standing or down dead tree considered merchantable by regional standards.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Dead, not salvable</td><td>FIA</td></tr> <tr> <td>1</td><td>Dead, salvable</td><td>FIA</td></tr> </table>                                                                                                                                                                                                                                                                                                                                    | Code | Description | Use | 0 | Dead, not salvable                                                              | FIA | 1 | Dead, salvable                                                                     | FIA |   |                                                                                                |     |   |                                                                                         |     |
| Code                | Description                                                                                    | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| 0                   | Dead, not salvable                                                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| 1                   | Dead, salvable                                                                                 | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| SITE_TREE_NUMBER    | N(5)                                                                                           | <p>PNW variable. The assigned number for each site tree record on a plot. For subsequent re-measurements, when data is downloaded from the database to the PDR for data verification, this number is one of the variables that are downloaded by the software.</p>                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |
| SLOPE_DISTANCE      | N(6,3)                                                                                         | <p>PNW variable. FIA Core 1.5 requires Horizontal Distance that will be stored in the distance column. PNW requires this second measurement.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                                 |     |   |                                                                                    |     |   |                                                                                                |     |   |                                                                                         |     |

**NRV\_FIA\_TREE\_MEASUREMENTS (cont.)**

| Name               | Size                                                                                                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-------------------------------------------------------------------------------------------|-----|---|---------------------------------------------------------------------------|-----|---|------------------------------------------------|-----|---|-----------------------------------------------------------------------------|-----|---|-------------------------------------------------------------------------------------------------------------------------------|-----|
| SNAG_DISAPPEARANCE | VC(2)                                                                                                                         | <p>PNW variable. The code to indicate the reason for disappearance of a tree previously tallied as dead.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>2</td><td>Fell over "naturally" (wind, decay, etc.) or no longer self-PNW supported; still present.</td><td>PNW</td></tr> <tr> <td>3</td><td>Fell over "naturally", removed from the site, or not discernable by crew.</td><td>PNW</td></tr> <tr> <td>4</td><td>Cut down or pushed over; still present.</td><td>PNW</td></tr> <tr> <td>5</td><td>Cut down or pushed over; removed from the site, or not discernable by crew.</td><td>PNW</td></tr> <tr> <td>6</td><td>DBH/DRC and/or height no longer meet minimum for tally (snag shrank to less than 5.0 in. DBH/DRC or less than 4.5 feet tall).</td><td>PNW</td></tr> </table> | Code | Description | Use | 2 | Fell over "naturally" (wind, decay, etc.) or no longer self-PNW supported; still present. | PNW | 3 | Fell over "naturally", removed from the site, or not discernable by crew. | PNW | 4 | Cut down or pushed over; still present.        | PNW | 5 | Cut down or pushed over; removed from the site, or not discernable by crew. | PNW | 6 | DBH/DRC and/or height no longer meet minimum for tally (snag shrank to less than 5.0 in. DBH/DRC or less than 4.5 feet tall). | PNW |
| Code               | Description                                                                                                                   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| 2                  | Fell over "naturally" (wind, decay, etc.) or no longer self-PNW supported; still present.                                     | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| 3                  | Fell over "naturally", removed from the site, or not discernable by crew.                                                     | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| 4                  | Cut down or pushed over; still present.                                                                                       | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| 5                  | Cut down or pushed over; removed from the site, or not discernable by crew.                                                   | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| 6                  | DBH/DRC and/or height no longer meet minimum for tally (snag shrank to less than 5.0 in. DBH/DRC or less than 4.5 feet tall). | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| SPECIES_GROUP      | VC(2)                                                                                                                         | FIA species group number used to produce many of the standard presentation tables. The assignment of individual species to these groups is shown in Appendix G of the FIADB Users Manual. This is the common list that all published standard presentation tables must match.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| STUMP              | VC(1)                                                                                                                         | <p>PNW variable. Is a standing dead tree record a stump? When collected: all trees with tree status = 2.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Not a stump</td><td>PNW</td></tr> <tr> <td>1</td><td>Is a stump</td><td>PNW</td></tr> <tr> <td>2</td><td>Is a stump with another tree growing out of it</td><td>PNW</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                   | Code | Description | Use | 0 | Not a stump                                                                               | PNW | 1 | Is a stump                                                                | PNW | 2 | Is a stump with another tree growing out of it | PNW |   |                                                                             |     |   |                                                                                                                               |     |
| Code               | Description                                                                                                                   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| 0                  | Not a stump                                                                                                                   | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| 1                  | Is a stump                                                                                                                    | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| 2                  | Is a stump with another tree growing out of it                                                                                | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |
| STUMP_DIAMETER     | N(6,3)                                                                                                                        | RMRS variable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                                           |     |   |                                                                           |     |   |                                                |     |   |                                                                             |     |   |                                                                                                                               |     |

**NRV\_FIA\_TREE\_MEASUREMENTS (cont.)**

| Name              | Size                                                                                                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------------------------------------------------------------------|-----|---|-------------------------------------------------------------------------------------------------------------------------|-----|---|------------------------------------------------------------|-----|---|-----------------------------------------------------------------------------|-----|---|----------------------------------------------------------------------------------|-----|---|----------------------------------------------------------------------|-----|---|------------------------------|-----|---|-----------------|-----|
| TREE_HISTORY      | VC(2)                                                                                                                   | <p>PNW variable collected for mortality assessment</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>No status – a tree not presently in the sample (re-measurement plots only).</td><td>FIA</td></tr> <tr> <td>1</td><td>Live tree – any live tree (new, re-measured, or ingrowth).</td><td>FIA</td></tr> <tr> <td>2</td><td>Dead tree – any dead tree (new, re-measured, or ingrowth).</td><td>FIA</td></tr> <tr> <td>3</td><td>Removal tree – a tree that has been cut or killed by direct human activity.</td><td>FIA</td></tr> <tr> <td>4</td><td>Missing tree – a tree that was tallied in previous inventory but is now missing.</td><td>FIA</td></tr> <tr> <td>5</td><td>Mortality tree – a tree that dies naturally or by a non-human cause.</td><td>PNW</td></tr> <tr> <td>8</td><td>Harvested for use by humans.</td><td>PNW</td></tr> <tr> <td>9</td><td>Tree not found.</td><td>PNW</td></tr> </table> | Code | Description | Use | 0 | No status – a tree not presently in the sample (re-measurement plots only). | FIA | 1 | Live tree – any live tree (new, re-measured, or ingrowth).                                                              | FIA | 2 | Dead tree – any dead tree (new, re-measured, or ingrowth). | FIA | 3 | Removal tree – a tree that has been cut or killed by direct human activity. | FIA | 4 | Missing tree – a tree that was tallied in previous inventory but is now missing. | FIA | 5 | Mortality tree – a tree that dies naturally or by a non-human cause. | PNW | 8 | Harvested for use by humans. | PNW | 9 | Tree not found. | PNW |
| Code              | Description                                                                                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 0                 | No status – a tree not presently in the sample (re-measurement plots only).                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 1                 | Live tree – any live tree (new, re-measured, or ingrowth).                                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 2                 | Dead tree – any dead tree (new, re-measured, or ingrowth).                                                              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 3                 | Removal tree – a tree that has been cut or killed by direct human activity.                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 4                 | Missing tree – a tree that was tallied in previous inventory but is now missing.                                        | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 5                 | Mortality tree – a tree that dies naturally or by a non-human cause.                                                    | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 8                 | Harvested for use by humans.                                                                                            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 9                 | Tree not found.                                                                                                         | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| TREE_STOCKING     | N(7,4)                                                                                                                  | <p>Tree stocking. A relative term used to describe (in percent) the adequacy of a given stand density in meeting a specific management objective. Species or forest type stocking functions were used to assess the stocking contribution of individual trees. These functions, which were developed using stocking guides, relate the area occupied by an individual tree to the area occupied by a tree of the same size growing in a fully stocked stand of like trees. The stocking of individual trees is used in the calculation of growing_stock and live_stocking in Nrv_fia_mapped_condition.</p>                                                                                                                                                                                                                                                                                                                                               |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| UTILIZATION_CLASS | VC(1)                                                                                                                   | <p>Utilization class code. Identifies trees that have been cut and removed from the site.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Not utilized - can still be found on the site</td><td>FIA</td></tr> <tr> <td>1</td><td>Utilized - some portion of the tree cannot be found on site, assumed to have been removed. Includes the following codes</td><td>FIA</td></tr> <tr> <td>2</td><td>Harvested for industrial supply</td><td>PNW</td></tr> <tr> <td>3</td><td>Harvested for firewood or local use</td><td>PNW</td></tr> <tr> <td>4</td><td>Harvested for incidental reasons</td><td>PNW</td></tr> </table>                                                                                                                                                                                                                                                                                           | Code | Description | Use | 0 | Not utilized - can still be found on the site                               | FIA | 1 | Utilized - some portion of the tree cannot be found on site, assumed to have been removed. Includes the following codes | FIA | 2 | Harvested for industrial supply                            | PNW | 3 | Harvested for firewood or local use                                         | PNW | 4 | Harvested for incidental reasons                                                 | PNW |   |                                                                      |     |   |                              |     |   |                 |     |
| Code              | Description                                                                                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 0                 | Not utilized - can still be found on the site                                                                           | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 1                 | Utilized - some portion of the tree cannot be found on site, assumed to have been removed. Includes the following codes | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 2                 | Harvested for industrial supply                                                                                         | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 3                 | Harvested for firewood or local use                                                                                     | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| 4                 | Harvested for incidental reasons                                                                                        | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |
| VIGOR_CLASS       | VC(2)                                                                                                                   | <p>Codes 1, 2, and 3. Definitions are quite lengthy. See page 13 of Chapter 12 of the P3 Field Manual. It is only collected on saplings.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                             |     |   |                                                                                                                         |     |   |                                                            |     |   |                                                                             |     |   |                                                                                  |     |   |                                                                      |     |   |                              |     |   |                 |     |

# NRV\_FIRE\_INFO

This table describes fire information.

| Name                                   | Size        | Description                                                                                                                                                                                                                                                                                                             |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
|----------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|----------|--|---|---------|--|---|------|--|---|-------|--|
| CREATED_BY<br><i>Required</i>          | VC(30)      | The name of the person who created the record.                                                                                                                                                                                                                                                                          |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| CREATED_DATE<br><i>Required</i>        | DATE        | The date the record was created.                                                                                                                                                                                                                                                                                        |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)        | The database ID where the record was created.                                                                                                                                                                                                                                                                           |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FIRE_INFO_CN<br><i>Required</i>        | VC(34)      | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                    |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)      | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                    |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| MODIFIED_BY                            | VC(30)      | The name of the person who modified the record.                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| MODIFIED_DATE                          | DATE        | The date the record was modified.                                                                                                                                                                                                                                                                                       |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| MODIFIED_IN_INSTANCE                   | N(6)        | The database ID where the record was modified.                                                                                                                                                                                                                                                                          |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| CLOUDY                                 | N(3)        | Cloudiness, in percent, at the time and date recorded in the previous column.                                                                                                                                                                                                                                           |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FIRE_DATE                              | DATE        | The date of the fire.                                                                                                                                                                                                                                                                                                   |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FIRE_ID                                | VC(15)      | The ID number or name that relates the fire to plots in the plot table. This field links this fire scale data with the plot scale data.                                                                                                                                                                                 |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FIRE_NAME                              | VC(25)      | The name of the fire.                                                                                                                                                                                                                                                                                                   |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FIRE_TIME                              | N(4)        | The time of day that the observations were recorded, in a military time                                                                                                                                                                                                                                                 |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FIRE_TYPE                              | VC(1)       | Type of fire: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>F</td><td>Flanking</td><td></td></tr> <tr> <td>B</td><td>Backing</td><td></td></tr> <tr> <td>H</td><td>Head</td><td></td></tr> <tr> <td>C</td><td>Crown</td><td></td></tr> </tbody> </table> | Code | Description | Use | F | Flanking |  | B | Backing |  | H | Head |  | C | Crown |  |
| Code                                   | Description | Use                                                                                                                                                                                                                                                                                                                     |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| F                                      | Flanking    |                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| B                                      | Backing     |                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| H                                      | Head        |                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| C                                      | Crown       |                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FLAME_DEPTH                            | N(5,2)      | Flame depth, in feet, at the time and date recorded in the previous columns.                                                                                                                                                                                                                                            |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FLAME_LENGTH                           | N(5,2)      | Flame length, in feet, at the time and date recorded in the previous columns.                                                                                                                                                                                                                                           |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FUEL_MOISTURE_1                        | N(3)        | Fuel moisture, in percent, of the 1 hour downed dead woody fuel class (less than .25 inches in diameter).                                                                                                                                                                                                               |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FUEL_MOISTURE_10                       | N(3)        | Fuel moisture, in percent, of the 10 hour downed dead woody fuel class (.25-1.0 inches in diameter)                                                                                                                                                                                                                     |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FUEL_MOISTURE_100                      | N(3)        | Fuel moisture, in percent, of the 100 hour downed dead woody fuel class (1-3 inches in diameter).                                                                                                                                                                                                                       |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FUEL_MOISTURE_1000_ROTEN               | N(3)        | Fuel moisture, in percent, of the rotten 1000 hour downed dead woody fuel class (greater than 3.0 inches in diameter).                                                                                                                                                                                                  |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |
| FUEL_MOISTURE_1000_SOUND               | N(3)        | Fuel moisture, in percent, of the sound 1000 hour downed dead woody fuel class (greater than 3.0 inches in diameter).                                                                                                                                                                                                   |      |             |     |   |          |  |   |         |  |   |      |  |   |       |  |

**NRV\_FIRE\_INFO (cont.)**

| Name                 | Size                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
|----------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|--------------------------------------------------------------------|--|----|---------------------------------------|--|----|--------------------------------------------------------|--|----|----------------------|--|----|-------------------------------------------------------------|--|
| FUEL_MOISTURE_CROWN  | N(3)                                                               | Moisture, in percent, of the live tree crown foliage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| FUEL_MOISTURE_DUFF   | N(3)                                                               | Moisture, in percent, of the duff layer. This layer contains the unrecognizable decomposing organic material.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| FUEL_MOISTURE_HERB   | N(3)                                                               | Moisture, in percent, of the live herbaceous plants.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| FUEL_MOISTURE_LITTER | N(3)                                                               | Moisture, in percent, of the litter layer. This layer contains the recognizable needles, cone scales, and leaves.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| FUEL_MOISTURE_SHRUB  | N(3)                                                               | Moisture, in percent, of the live shrubs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| FUEL_MOISTURE_SOIL   | N(3)                                                               | Moisture, in percent, of the uppermost soil layer. This layer contains the top 10 cm of mineral soil just below the duff layer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| HUMIDITY             | N(5,2)                                                             | Relative humidity, in percent, at the time and date recorded in the previous columns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| ID_REFERENCE         | VC(20)                                                             | Fire code taken from the database of fire management agencies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| IMAGE_FLAG           | VC(1)                                                              | Flag to indicate if a set of special images (photos, landsat, etc.) for this specific fire was taken. This does not refer to aerial photos taken on a general flight path.<br>Y = Yes, a set of images was taken.                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| PLUME_BEHAVIOR       | VC(2)                                                              | <p>The dynamics of the fire plume.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>WV</td><td>Plume well ventilated, rising, and dispersing high above the burn.</td><td></td></tr> <tr> <td>US</td><td>Plume unstable with erratic behavior.</td><td></td></tr> <tr> <td>PD</td><td>Plume is dropping and going downhill into the valleys.</td><td></td></tr> </tbody> </table>                                                                                                                                                   | Code | Description | Use | WV | Plume well ventilated, rising, and dispersing high above the burn. |  | US | Plume unstable with erratic behavior. |  | PD | Plume is dropping and going downhill into the valleys. |  |    |                      |  |    |                                                             |  |
| Code                 | Description                                                        | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| WV                   | Plume well ventilated, rising, and dispersing high above the burn. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| US                   | Plume unstable with erratic behavior.                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| PD                   | Plume is dropping and going downhill into the valleys.             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| REMARKS              | VC(4000)                                                           | Record information pertinent to the fire.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| SEVERITY             | N(1)                                                               | How severe the fire was.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| SPOTTING             | VC(2)                                                              | <p>Spotting behavior of the fire at the time and date recorded in the previous columns.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>SD</td><td>Spotting downslope or downwind</td><td></td></tr> <tr> <td>SU</td><td>Spotting upslope or upwind</td><td></td></tr> <tr> <td>SE</td><td>Spotting is erratic and very random</td><td></td></tr> <tr> <td>NS</td><td>No spotting observed</td><td></td></tr> <tr> <td>NA</td><td>Difficult to determine spotting due to smoke or obstruction</td><td></td></tr> </tbody> </table> | Code | Description | Use | SD | Spotting downslope or downwind                                     |  | SU | Spotting upslope or upwind            |  | SE | Spotting is erratic and very random                    |  | NS | No spotting observed |  | NA | Difficult to determine spotting due to smoke or obstruction |  |
| Code                 | Description                                                        | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| SD                   | Spotting downslope or downwind                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| SU                   | Spotting upslope or upwind                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| SE                   | Spotting is erratic and very random                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| NS                   | No spotting observed                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| NA                   | Difficult to determine spotting due to smoke or obstruction        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| SPREAD_RATE          | N(5,2)                                                             | The average speed of the fire, in feet per minute, at the time and date recorded in the previous columns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| TEMPERATURE          | N(5,2)                                                             | Temperature, in degrees F, at the time and date recorded in the previous columns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |
| WINDSPEED            | N(5,2)                                                             | Wind speed, in miles per hour, at the time and date recorded in the previous columns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |    |                                                                    |  |    |                                       |  |    |                                                        |  |    |                      |  |    |                                                             |  |

## NRV\_GROUP\_BY

This table contains columns describing summary data. It contains attributes for portions (groups) of information about a site. For example, the number of plants per area might be identified for a particular species, or a particular size class of a species. This information is stored here, rather than in the characterizations table, since it refers to a subset of the data.

| Name                                   | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34)  | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                                                                                                    |
| CHAR_CN<br><i>Required</i>             | VC(34)  | Foreign key to Nrv_setting_measurements                                                                                                                                                                                                                                                                                                                                                                                                 |
| CREATED_BY<br><i>Required</i>          | VC(30)  | The name of the person who created the record.                                                                                                                                                                                                                                                                                                                                                                                          |
| CREATED_DATE<br><i>Required</i>        | DATE    | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                                                        |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)    | The database server ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                    |
| GROUP_1<br><i>Required</i>             | VC(24)  | Nrv_con_grp_mtx.template_name                                                                                                                                                                                                                                                                                                                                                                                                           |
| SUBGROUP_1<br><i>Required</i>          | VC(30)  | Nrv_subgroups.subgroup_name                                                                                                                                                                                                                                                                                                                                                                                                             |
| SUMMARY_NO<br><i>Required</i>          | VC(10)  | Nrv_controls.summary_no                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ANN_INCR_PER                           | N(8,4)  | <b>Computed.</b> Periodic annual increment. Volume of tree growth, in cubic foot volume per acre, over a period divided into the number of years in the period.<br><br>SELECT SUM((radial_growth/10) *<br>tpa_stand_eq * DCODE(radial_growth,NULL,NULL,1)),<br>SUM(tpa_stand_eq *<br>DECODE(radial_growth,NULL,NULL,1))<br>FROM NRV_Grp_By_Summary_Temp<br>WHERE cn = stand_cn<br>AND off_plot_flag IS NULL;<br>avdgr := navdgr/davdgr; |
| ANN_INCR_PER_LEN                       | N(3)    | Always set to "10". Number of years used in calculating ann_incr_per                                                                                                                                                                                                                                                                                                                                                                    |
| BASAL_AREA                             | N(8,4)  | <b>Computed.</b> Basal area per acre, in square feet<br><br>SELECT SUM(ba_stand_eq)<br>FROM NRV_Grp_By_Summary_Temp<br>WHERE cn = p_stand_cn<br>AND off_plot_flag IS NULL                                                                                                                                                                                                                                                               |
| BASAL_AREA_CV                          | N(13,4) | <b>Computed.</b> Coefficient of variation of basal_area column<br><br>IF v_basal_area > 0 THEN<br>v_basal_area_cv := (v_basal_area_sd *100) /<br>v_basal_area;                                                                                                                                                                                                                                                                          |

**NRV\_GROUP\_BY (cont.)**

| Name                   | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BASAL_AREA_SD          | N(13,4) | <p><b>Computed.</b> Standard deviation of basal_area column</p> <pre> CURSOR C_PLOT IS SELECT DISTINCT plot FROM   NRV_Grp_By_Summary_Temp WHERE  cn = stand_cn; SELECT COUNT(DISTINCT plot) INTO pnum FROM   NRV_std_summary_base_temp WHERE  cn = stand_cn; OPEN C_PLOT; LOOP FETCH C_PLOT INTO point; EXIT WHEN C_PLOT%NOTFOUND; SELECT SUM(ba_plot_eq) INTO tsum FROM   NRV_Grp_By_Summary_Temp WHERE  cn = stand_cn AND    plot = point AND    off_plot_flag IS NULL;                                 ssum := ssum + tsum;                                 psum := psum + (tsum*tsum); END LOOP; CLOSE C_PLOT; sdba := ROUND(SQRT((psum - ((ssum * ssum) / pnum)) / (pnum - 1)),3); </pre> |
| BASAL_AREA_SE          | N(7,4)  | <p><b>Computed.</b> Standard error of basal_area column</p> <pre> SELECT COUNT(DISTINCT plot) into v_pnum FROM   NRV_std_summary_base_temp WHERE  cn = p_stand_cn; IF sqrt(v_pnum) &lt;&gt; 0 THEN   v_std_error := p_sdtpa / sqrt(v_pnum); END IF; </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CONE_SEROTINY          | VC(1)   | Nrv_perm_grp_by.cone_serotiny                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| COVER_AGE              | N(4)    | Average or predominant age of the cover layer. Stored in years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| COVER_TYPE             | VC(10)  | Characterization of the existing vegetation composition for each polygon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| COVER_DIAMETER         | N(6,3)  | Predominant cross-sectional width of a plant measured through the center of the stem. Stored in inches.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| COVER_HEIGHT           | N(7,4)  | Average or predominant height of the cover layer. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| COVER_HEIGHT_MAX       | N(7,4)  | Maximum height of a cover layer. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| COVER_HEIGHT_MIN       | N(7,4)  | Minimum height of a cover layer. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| COVER_LAYER            | VC(3)   | Foreign key to Nrv_cover_layers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| COVER_LAYER_CODE_LOCAL | VC(2)   | Locally defined code for the cover layer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| COVER_LIFEFORM         | VC(2)   | Nrv_lifeform_modifier.lifeform_modifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**NRV\_GROUP\_BY (cont.)**

| Name                  | Size                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|-----------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-----------------|-----|--|-----------------------------------------------------------------------------------|-----|----|-------|-----|--|----------------------------------------------------------------------|-----|----|--------|-----|--|------------------------------------------------------------------------|-----|----|----------|-----|--|--------------------------------------------------------------------------|--|---|------|-----|
| COVER_SHRUB_AGE_CLASS | VC(2)                                                                             | <p>Estimate of the age class of a shrub or tree. Shrub age class is based on the percentage of branch or foliage maturity. Tree age class is based on overall appearance, crown, branch, and bark characteristics.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>SS</td><td>Seedling/sprout</td><td>CSE</td></tr> <tr> <td></td><td>Immature, no dead material (stems and branches) associated with the shrub record.</td><td>FIA</td></tr> <tr> <td>YO</td><td>Young</td><td>CSE</td></tr> <tr> <td></td><td>Mature, 1-24 percent dead material associated with the shrub record.</td><td>FIA</td></tr> <tr> <td>MA</td><td>Mature</td><td>CSE</td></tr> <tr> <td></td><td>Over-mature, 25-49 percent dead material associated with shrub record.</td><td>FIA</td></tr> <tr> <td>DE</td><td>Decadent</td><td>CSE</td></tr> <tr> <td></td><td>Decadent, 50 percent or more dead material associated with shrub record.</td><td></td></tr> <tr> <td>X</td><td>Dead</td><td>CSE</td></tr> </table> | Code | Description | Use | SS | Seedling/sprout | CSE |  | Immature, no dead material (stems and branches) associated with the shrub record. | FIA | YO | Young | CSE |  | Mature, 1-24 percent dead material associated with the shrub record. | FIA | MA | Mature | CSE |  | Over-mature, 25-49 percent dead material associated with shrub record. | FIA | DE | Decadent | CSE |  | Decadent, 50 percent or more dead material associated with shrub record. |  | X | Dead | CSE |
| Code                  | Description                                                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| SS                    | Seedling/sprout                                                                   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|                       | Immature, no dead material (stems and branches) associated with the shrub record. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| YO                    | Young                                                                             | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|                       | Mature, 1-24 percent dead material associated with the shrub record.              | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| MA                    | Mature                                                                            | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|                       | Over-mature, 25-49 percent dead material associated with shrub record.            | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| DE                    | Decadent                                                                          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
|                       | Decadent, 50 percent or more dead material associated with shrub record.          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| X                     | Dead                                                                              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| COVER_SURFACE_CODE    | VC(4)                                                                             | Nrv_surface_cover_types.surface_cover_code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| CROWN_DIAMETER        | N(4,1)                                                                            | Nrv_perm_grp_by.crown_diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| CROWN_RATIO_COMP      | N(3)                                                                              | Compacted live crown ratio, in percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| CROWN_RATIO_UNC       | N(3)                                                                              | Nrv_perm_grp_by.crown_ratio_unc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| DATA_METHOD           | VC(30)                                                                            | Nrv_cn_temp.data_method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| DATA_SOURCE           | VC(30)                                                                            | Nrv_cn_temp.source_type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |
| DECAY_CLASS           | VC(1)                                                                             | Nrv_perm_grp_by.decay_class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                 |     |  |                                                                                   |     |    |       |     |  |                                                                      |     |    |        |     |  |                                                                        |     |    |          |     |  |                                                                          |  |   |      |     |

## NRV\_GROUP\_BY (cont.)

| Name     | Size   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| DIAMETER | N(7,4) | <p><b>Computed.</b> The diameter value used to characterize the GROUP BY class, in inches. Either the quadratic mean diameter or average diameter as indicated by the DIAMETER_TYPE column, DIAMETER is computed as follows:</p> <ul style="list-style-type: none"> <li>Quadratic Mean Diameter = The class quadratic mean diameter, where only on-plot, non-NULL diameter &gt; 0 trees are included (Note: This is the preferred method of characterizing class diameters for the summary process): <math display="block">QMD_{CLASS} = \sqrt{\frac{\sum_{i=1}^n D_i TPA_i}{\sum_{i=1}^n TPA_i}}</math> </li> <li>Average Diameter = The class average diameter, where only on-plot, non-NULL diameter &gt; 0 trees are included (Note: Not commonly used in the summary process): <math display="block">\hat{D}_{CLASS} = \frac{\sum_{i=1}^n D_i TPA_i}{\sum_{i=1}^n TPA_i}</math> </li> </ul> <pre> CURSOR C_qmd1 IS SELECT SUM(tpa_stand_eq), SUM(dbh*dbh*tpa_stand_eq) FROM NRV_Grp_By_Summary_Temp WHERE cn = p_stand_cn AND dbh IS NOT NULL AND off_plot_flag IS NULL AND dbh &gt;0; CURSOR C_qmd2 IS SELECT SUM(tpa_stand_eq), SUM(drc*drc*tpa_stand_eq) FROM NRV_Grp_By_Summary_Temp WHERE cn = p_stand_cn AND drc IS NOT NULL AND off_plot_flag IS NULL AND drc &gt;0; FETCH C_qmd1 INTO dhtsum, dh2tsum; FETCH C_qmd2 INTO drtsum, dr2tsum; IF dhtsum IS NULL THEN dhtsum := 0; IF dh2tsum IS NULL THEN dh2tsum := 0; IF drtsum IS NULL THEN drtsum := 0; IF dr2tsum IS NULL THEN dr2tsum := 0; IF dhtsum+drtsum = 0 THEN   qmd := NULL; ELSE   qmd := QRT((dh2tsum+dr2tsum)/(dhtsum+drtsum)); RETURN(qmd); </pre> |

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**NRV\_GROUP\_BY (cont.)**

| Name                   | Size   | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| DIAMETER_TYPE          | VC(4)  | Set to "QMD"                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DISTRIBUTION_TYPE      | VC(1)  | Nrv_perm_grp_by.distribution_type                                                                                                                                                                                                                                                                                                                                                                                                        |
| DOMINANT_SPECIES       | VC(8)  | Nrv_perm_grp_by.dominant_species                                                                                                                                                                                                                                                                                                                                                                                                         |
| FUEL_WEIGHT            | N(7,4) | Nrv_perm_grp_by.fuel_weight                                                                                                                                                                                                                                                                                                                                                                                                              |
| GEOGRAPHICAL_AREA      | VC(5)  | Nrv_setting_measurements.geographical_area                                                                                                                                                                                                                                                                                                                                                                                               |
| GIS_LINK               | VC(26) | Nrv_setting_measurements.gis_link                                                                                                                                                                                                                                                                                                                                                                                                        |
| HEIGHT_GROWTH          | N(4,1) | <p><b>Computed.</b> The mean annual height growth, in feet.</p> <pre> SELECT SUM(height_growth * tpa_stand_eq * DECODE(height_growth,NULL,NULL,1)), SUM(tpa_stand_eq * DECODE(height_growth,NULL,NULL,1)) FROM NRV_Grp_By_Summary_Temp WHERE cn = stand_cn AND off_plot_flag IS NULL; OPEN C_avhgr1; FETCH C_avhgr1 INTO navhgr, davhgr; CLOSE C_avhgr1; IF davhgr &lt;&gt; 0 THEN avhgr := navhgr/davhgr; END IF; RETURN(avhgr); </pre> |
| HEIGHT_LENGTH_AVG      | N(4,1) | <p><b>Computed.</b> The average height or length, in feet.</p> <pre> SELECT min(height), max(height) INTO v_height_length_min, v_height_length_max FROM NRV_Grp_By_Summary_Temp; </pre>                                                                                                                                                                                                                                                  |
| HEIGHT_LENGTH_MAX      | N(4,1) | <p><b>Computed.</b> The tallest height or longest length, in feet.</p> <pre> SELECT min(height), max(height) INTO v_height_length_min, v_height_length_max FROM NRV_Grp_By_Summary_Temp </pre>                                                                                                                                                                                                                                           |
| HEIGHT_LENGTH_MIN      | N(4,1) | <p><b>Computed.</b> The shortest height or length, in feet.</p> <pre> SELECT min(height), max(height) INTO v_height_length_min, v_height_length_max FROM NRV_Grp_By_Summary_Temp </pre>                                                                                                                                                                                                                                                  |
| LANDFORM               | VC(2)  | Nrv_perm_grp_by.landform                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LAYER_HT_MAX           | N(3)   | Nrv_perm_grp_by.layer_ht_max                                                                                                                                                                                                                                                                                                                                                                                                             |
| LAYER_HT_MIN           | N(3)   | Nrv_perm_grp_by.layer_ht_min                                                                                                                                                                                                                                                                                                                                                                                                             |
| LOCAL_AT6_DESCRIPTION  | VC(80) | Nrv_perm_char.local_at6_description.                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOCAL_AT7_DESCRIPTION  | VC(80) | Nrv_perm_char.local_at7_description.                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOCAL_AT8_DESCRIPTION  | VC(80) | Nrv_perm_char.local_at8_description.                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOCAL_AT9_DESCRIPTION  | VC(80) | Nrv_perm_char.local_at9_description.                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOCAL_AT10_DESCRIPTION | VC(80) | Nrv_perm_char.local_at10_description.                                                                                                                                                                                                                                                                                                                                                                                                    |
| LOCALLY_DEFINED_AT6    | VC(30) | Nrv_perm_grp_by.locally_defined_at6                                                                                                                                                                                                                                                                                                                                                                                                      |
| LOCALLY_DEFINED_AT7    | VC(30) | Nrv_perm_grp_by.locally_defined_at7                                                                                                                                                                                                                                                                                                                                                                                                      |
| LOCALLY_DEFINED_AT8    | VC(30) | Nrv_perm_grp_by.locally_defined_at8                                                                                                                                                                                                                                                                                                                                                                                                      |
| LOCALLY_DEFINED_AT9    | VC(30) | Nrv_perm_grp_by.locally_defined_at9                                                                                                                                                                                                                                                                                                                                                                                                      |

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| LOCALLY_DEFINED_AT10 | VC(30) | Nrv_perm_grp_by.locally_defined_at10 |
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**NRV\_GROUP\_BY (cont.)**

| Name                 | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| MERCH_BOARD_GROSS    | N(13,4) | <p><b>Computed.</b> Merchantable, gross board foot volume per acre. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4.</p> <pre>SELECT SUM(tpa_stand_eq * merch_board_volume) FROM   NRV_Grp_By_Summary_Temp WHERE  user_ops_acct = user AND    cn = p_stand_cn AND    off_plot_flag IS NULL;</pre> |
| MERCH_BOARD_NET      | N(13,4) | Nrv_perm_grp_by.merch_board_net                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MERCH_CUBIC_GROSS    | N(11,4) | <p><b>Computed.</b> Merchantable, gross cubic foot volume per acre. For Region 9, this is the cubic foot volume in the sawlog portion of sawtimber trees. It does not include the topwood volume. It does not include pulpwood tree volume.</p> <pre>SELECT SUM(tpa_stand_eq * merch_cubic_volume) FROM   NRV_Grp_By_summary_temp WHERE  cn = p_stand_cn AND    off_plot_flag IS NULL;</pre>                                                                                    |
| MERCH_CUBIC_NET      | N(11,4) | Nrv_perm_grp_by.merch_cubic_net                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MODIFIED_BY          | VC(30)  | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MODIFIED_DATE        | DATE    | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MODIFIED_IN_INSTANCE | N(6)    | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NO_OF_PIECES         | N(5)    | Nrv_perm_grp_by.no_of_pieces                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NOXIOUS_WEED         | VC(1)   | Nrv_perm_grp_by.noxious_weed                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PLANTS               | N(9,4)  | <p><b>Computed.</b> Number of plants per acre.</p> <pre>SELECT SUM(tpa_stand_eq) FROM   NRV_Grp_By_Summary_TEMP WHERE  cn = p_stand_cn AND    off_plot_flag IS NULL;</pre>                                                                                                                                                                                                                                                                                                      |
| PLANTS_CV            | N(13,4) | <p><b>Computed.</b> Coefficient of variation of the plants column</p> $=(v\_plants\_sd * 100) / v\_plants;$                                                                                                                                                                                                                                                                                                                                                                     |

**NRV\_GROUP\_BY (cont.)**

| Name                  | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| PLANTS_SD             | N(13,4) | <p><b>Computed.</b> Standard deviation of the pPlants column.</p> <pre> SELECT DISTINCT plot FROM NRV_Grp_By_Summary_Temp WHERE cn = stand_cn; SELECT COUNT(DISTINCT plot) INTO pnum FROM NRV_std_summary_base_temp WHERE cn = stand_cn; OPEN C_PLOT; LOOP FETCH C_PLOT INTO point; SELECT SUM(tpa_plot_eq) INTO tsum FROM NRV_Grp_By_Summary_Temp WHERE cn = stand_cn AND plot = point AND off_plot_flag IS NULL; IF tsum IS NULL THEN tsum := 0; END IF; ssum := ssum + tsum; psum := psum + (tsum*tsum); END LOOP; sdtpa :=SQRT((psum-((ssum * ssum)/pnum))/(pnum-1)); RETURN(sdtpa); </pre> |
| PLANTS_SE             | N(7,4)  | <p><b>Computed.</b> Standard error of the plants column.</p> <pre> SELECT COUNT(DISTINCT plot) into v_pnum FROM NRV_std_summary_base_temp WHERE cn = p_stand_cn; IF sqrt(v_pnum) &lt;&gt; 0 THEN v_std_error := p_sdtpa / sqrt(v_pnum); END IF; </pre>                                                                                                                                                                                                                                                                                                                                          |
| PLANT_COVER           | N(4,1)  | Nrv_perm_grp_by.plant_cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| POLYGON_COVERAGE_ID   | VC(30)  | Nrv_cover_id_control.polygon_coverage_id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RADIAL_GROWTH         | N(3)    | <p><b>Computed.</b> Periodic change, in 20ths of an inch, in the bole radius over a time period.</p> <pre> SELECT SUM((radial_growth/10)* tpa_stand_eq * DECODE(radial_growth,NULL,NULL,1)), SUM(tpa_stand_eq * DECODE(radial_growth,NULL,NULL,1)) FROM NRV_Grp_By_Summary_Temp WHERE cn = stand_cn AND off_plot_flag IS NULL; avdgr := navdgr/davdgr; RETURN(avdgr); </pre>                                                                                                                                                                                                                    |
| RADIAL_GROWTH_PERIOD  | N(3)    | Set to NULL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SELECTION_CRITERIA_NO | VC(3)   | Nrv_selection_criteria.selection_criteria_no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SHRUB_SHAPE           | VC(1)   | Nrv_perm_grp_by.shrub_shape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SHRUB_SIZE            | VC(1)   | Nrv_perm_grp_by.shrub_size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SHRUB_VIGOR           | VC(1)   | Nrv_perm_grp_by.shrub_vigor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SNAGS                 | N(9,4)  | Nrv_perm_grp_by.snags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**NRV\_GROUP\_BY (cont.)**

| Name            | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPECIES_SYMBOL  | VC(8)   | Nrv_perm_grp_by.species_symbol                                                                                                                                                                                                                                                                                                                                                                                       |
| TE_SPECIES      | VC(1)   | Nrv_perm_grp_by.te_species                                                                                                                                                                                                                                                                                                                                                                                           |
| TOTAL_CUBIC     | N(11,4) | <b>Computed.</b> Total cubic foot volume per acre. Representing the total ground-to-tip cubic foot volume of the main stem (does not include branches or foliage) of trees, this is a gross volume that is not associated with merchandising rules and therefore does not have a net volume counterpart.                                                                                                             |
| TREE_SIZE_CLASS | VC(2)   | Nrv_perm_grp_by.tree_size_class                                                                                                                                                                                                                                                                                                                                                                                      |
| USER_OPS_ACCT   | VC(30)  | Nrv_con_grp_mtx.user_ops_acct                                                                                                                                                                                                                                                                                                                                                                                        |
| VEG_CLASS       | VC(2)   | Nrv_perm_grp_by.veg_class                                                                                                                                                                                                                                                                                                                                                                                            |
| VIGOR           | VC(1)   | Nrv_perm_grp_by.vigor                                                                                                                                                                                                                                                                                                                                                                                                |
| WEIGHT          | N(7,4)  | Nrv_perm_grp_by.weight                                                                                                                                                                                                                                                                                                                                                                                               |
| YEAR_OF_ORIGIN  | N(4)    | <b>Computed.</b> The year when the majority of plants within a class were established.<br><br>SELECT SUM(age * tpa_stand_eq *<br>DECODE(age,NULL,NULL,1)),<br>SUM(tpa_stand_eq * DECODE(age,NULL,NULL,1))<br>FROM NRV_Grp_By_Summary_Temp<br>WHERE cn = stand_cn<br>AND off_plot_flag IS NULL;<br>OPEN C_avage;<br>FETCH C_avage INTO navage, davage;<br>CLOSE C_avage;<br>avage := navage/davage;<br>RETURN(avage); |

**NRV\_IMAGES**

This table describes images stored in the database.

| Name                                   | Size    | Description                                                                                                                                                              |
|----------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34)  | A system generated sequence number to uniquely identify a row of data in this table.                                                                                     |
| CREATED_BY<br><i>Required</i>          | VC(30)  | The name of the person who created the record.                                                                                                                           |
| CREATED_DATE<br><i>Required</i>        | DATE    | The date the record was created.                                                                                                                                         |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)    | The database server ID where the record was created.                                                                                                                     |
| DIRECTORY_PATH<br><i>Required</i>      | VC(120) | Directory path name where the file of an image is stored electronically.                                                                                                 |
| FILENAME<br><i>Required</i>            | VC(70)  | File name of an image (directory path is stored in a separate field).                                                                                                    |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)  | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that |

|  |  |                             |
|--|--|-----------------------------|
|  |  | Region's and Forest's data. |
|--|--|-----------------------------|

**NRV\_IMAGES (cont.)**

| Name                 | Size   | Description                                                |
|----------------------|--------|------------------------------------------------------------|
| DATE_TAKEN           | DATE   | The date the photograph was taken.                         |
| DESCRIPTION          | VC(70) | Description of the image.                                  |
| IMAGE                | BLOB   | Stores actual image, can be a .jpg, .pdf or .doc format    |
| LABEL                | VC(70) | Label displayed next to the image.                         |
| MODIFIED_BY          | VC(30) | The name of the person who last modified the record.       |
| MODIFIED_DATE        | DATE   | The date the record was last modified.                     |
| MODIFIED_IN_INSTANCE | N(6)   | The database server ID where the record was last modified. |
| PHOTOGRAPHER         | VC(50) | Name of photographer.                                      |

**NRV\_PERM\_CHAR**

This table describes legacy summary data and closely resembles Nrv\_characterizations.

| Name                                   | Size                 | Description                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                      |     |    |                   |     |    |            |     |
|----------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|----------------------|-----|----|-------------------|-----|----|------------|-----|
| CN<br><i>Required</i>                  | VC(34)               | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                         |      |             |     |    |                      |     |    |                   |     |    |            |     |
| CREATED_BY<br><i>Required</i>          | VC(30)               | The name of the person who created the record.                                                                                                                                                                                                                                                                               |      |             |     |    |                      |     |    |                   |     |    |            |     |
| CREATED_DATE<br><i>Required</i>        | DATE                 | The date the record was created.                                                                                                                                                                                                                                                                                             |      |             |     |    |                      |     |    |                   |     |    |            |     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                 | The database server ID where the record was created.                                                                                                                                                                                                                                                                         |      |             |     |    |                      |     |    |                   |     |    |            |     |
| DATA_METHOD<br><i>Required</i>         | VC(30)               | <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>PI</td><td>Photo interpretation</td><td>All</td></tr> <tr> <td>SI</td><td>Satellite imagery</td><td>All</td></tr> <tr> <td>SE</td><td>Stand exam</td><td>All</td></tr> </tbody> </table>                        | Code | Description | Use | PI | Photo interpretation | All | SI | Satellite imagery | All | SE | Stand exam | All |
| Code                                   | Description          | Use                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |     |    |                   |     |    |            |     |
| PI                                     | Photo interpretation | All                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |     |    |                   |     |    |            |     |
| SI                                     | Satellite imagery    | All                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |     |    |                   |     |    |            |     |
| SE                                     | Stand exam           | All                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |     |    |                   |     |    |            |     |
| SETTING_ID<br><i>Required</i>          | VC(30)               | Uniquely identifies the setting where the data are collected. This field may contain the following information: For stand exams - Region, Forest, District, Location, and Stand Number. For FIA data - State//Cycle//Subcycle//Survey_unit//County//Plot (State(2)//Cycle(2)//Subcycle(2)//Survey Unit(2)/County(3)//Plot(5) |      |             |     |    |                      |     |    |                   |     |    |            |     |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)               | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                         |      |             |     |    |                      |     |    |                   |     |    |            |     |

**NRV\_PERM\_CHAR (cont.)**

| Name                    | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AGENCY                  | VC(4)   | Governing agency or the agency that owns the land the setting is located on.                                                                                                                                                                                                                                                                                                                                  |
| AGGREGATION_TYPE        | VC(1)   | A map unit attribute to describe the arrangement of vegetation condition found within a map feature or polygon. An aggregation type consists of a homogenous dominance type or plant association, or compositional group, or vegetation complex arrangements of dominance types or plant associations. Valid codes are:<br>H = homogenous type<br>G = compositional group type<br>C = vegetation complex type |
| ANN_INCR_MEAN           | N(8,4)  | Mean annual increment. Volume of tree growth, in cubic foot volume per acre, over a period divided into the stand age.                                                                                                                                                                                                                                                                                        |
| ANN_INCR_PER            | N(8,4)  | Periodic annual increment. Volume of tree growth, in cubic foot volume per acre, over a period of time, divided into the number of years in the period.                                                                                                                                                                                                                                                       |
| ANN_INCR_PER_LN         | N(3)    | The number of years used to calculate ann_incr_per                                                                                                                                                                                                                                                                                                                                                            |
| ASPECT                  | N(3)    | General direction of downslope, in degrees azimuth, that the site faces.<br>0 = flat<br>360 = north<br>999 = indeterminate, undulating, or no predominant slope                                                                                                                                                                                                                                               |
| BASAL_AREA              | N(8,4)  | Basal area per acre, in square feet, of live tees.                                                                                                                                                                                                                                                                                                                                                            |
| BASAL_AREA_CV           | N(13,4) | Coefficient of variation of basal_area column                                                                                                                                                                                                                                                                                                                                                                 |
| BASAL_AREA_SD           | N(13,4) | Standard deviation of basal_area column                                                                                                                                                                                                                                                                                                                                                                       |
| BASAL_AREA_SE           | N(7,4)  | Standard error of basal_area column                                                                                                                                                                                                                                                                                                                                                                           |
| BOUNDARY_SOURCE         | VC(30)  | Media by which the polygon boundaries were generated, such as GPS, photographs, or satellite imagery.                                                                                                                                                                                                                                                                                                         |
| CANOPY_BULK_DENSITY     | N(3)    | The bulk density of the canopy (kg/m <sup>3</sup> ) as described in Scott and Reinhardt (2001).                                                                                                                                                                                                                                                                                                               |
| CANOPY_CLOSURE          | N(3)    | Amount, in percent, of the site covered by the crowns of vegetation.                                                                                                                                                                                                                                                                                                                                          |
| CANOPY_CLOSURE_CROWNVEG | N(3)    | Amount, in percent, of the polygon covered by the foliage of crown vegetation.                                                                                                                                                                                                                                                                                                                                |
| CANOPY_CLOSURE_GRASSES  | N(3)    | Amount, in percent, of the polygon covered by the foliage of grasses.                                                                                                                                                                                                                                                                                                                                         |
| CANOPY_CLOSURE_HERBS    | N(3)    | Amount, in percent, of the polygon covered by the foliage of herbs.                                                                                                                                                                                                                                                                                                                                           |
| CANOPY_CLOSURE_NON_TREE | N(3)    | Amount, in percent, of the polygon covered by vegetation cover other than the tree canopy.                                                                                                                                                                                                                                                                                                                    |
| CANOPY_CLOSURE_SHRUBS   | N(3)    | Amount, in percent, of the polygon covered by the foliage of shrubs.                                                                                                                                                                                                                                                                                                                                          |
| CANOPY_CLOSURE_TREES    | N(3)    | Amount, in percent, of the polygon covered by the tree canopy.                                                                                                                                                                                                                                                                                                                                                |
| CANOPY_COVER            | N(4,1)  | Amount, in percent, of the site covered by plant canopy.                                                                                                                                                                                                                                                                                                                                                      |
| CAPABLE_GROW_AREA_PCT   | N(3)    | Area, in percent, capable of growing trees.                                                                                                                                                                                                                                                                                                                                                                   |

**NRV\_PERM\_CHAR (cont.)**

| Name                | Size                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |             |   |                                                       |   |                                                          |   |                                                      |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|---|-------------------------------------------------------|---|----------------------------------------------------------|---|------------------------------------------------------|
| COMPARTMENT_NO      | VC(10)                                                   | Division of forest for purposes of orientation, administration, and silvicultural operations. It is defined by permanent boundaries, of natural features or artificially marked.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |             |   |                                                       |   |                                                          |   |                                                      |
| CONDITION_CLASS     | N(1)                                                     | <div>A classification of the amount of departure from the historical natural fire regime. For each fire regime, there are three condition classes based on departure from the natural (historical) regime of vegetation characteristics; fuel composition; fire frequency, severity and pattern; and other associated disturbances.</div> <table><tr><th>Class</th><th>Description</th></tr><tr><td>1</td><td>Within the natural (historical) range of variability.</td></tr><tr><td>2</td><td>Moderate departure from the natural (historical) regime.</td></tr><tr><td>3</td><td>High departure from the natural (historical) regime.</td></tr></table> | Class | Description | 1 | Within the natural (historical) range of variability. | 2 | Moderate departure from the natural (historical) regime. | 3 | High departure from the natural (historical) regime. |
| Class               | Description                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |             |   |                                                       |   |                                                          |   |                                                      |
| 1                   | Within the natural (historical) range of variability.    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |             |   |                                                       |   |                                                          |   |                                                      |
| 2                   | Moderate departure from the natural (historical) regime. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |             |   |                                                       |   |                                                          |   |                                                      |
| 3                   | High departure from the natural (historical) regime.     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |             |   |                                                       |   |                                                          |   |                                                      |
| COUNTY              | VC(3)                                                    | Numeric County code where the site is located.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_BARE_SOIL     | N(3)                                                     | Percent of the site covered by bare mineral soil.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_BARREN        | N(3)                                                     | Percent of the site that is barren.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_BASAL_VEG     | N(3)                                                     | Percent of the site covered by basal vegetation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_BOULDER       | N(3)                                                     | Percent of the site covered by boulders.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_COBBLE        | N(3)                                                     | Percent of the site covered by cobbles (7.5-25 cm in diameter).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_DOMINANT      | VC(2)                                                    | Dominant surface cover type.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_GRAVEL        | N(3)                                                     | Percent of the site covered by gravel (.2-7.5 cm in diameter).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_LITTER        | N(3)                                                     | Percent of the site covered by dead plant material. Includes leaves, needles, twigs, bark, fruits, duff, and downed wood actually in contact with the ground surface.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_NON_VEG       | N(3)                                                     | Amount of the polygon that is not covered by vegetation; in general, the component of the polygon that is covered by water, bare soil, rock, or snow fields. Value can range from 0 to 100 percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_ROCK          | N(3)                                                     | Percent of the site covered by rock (everything larger than .08 inches or 2 mm in diameter).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_STONE         | N(3)                                                     | Percent of the site covered by stones (25-60 cm in diameter).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |             |   |                                                       |   |                                                          |   |                                                      |
| COVER_WATER         | N(3)                                                     | Percent of the site covered by water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |             |   |                                                       |   |                                                          |   |                                                      |
| CROWN_CONDITION_REF | VC(30)                                                   | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |             |   |                                                       |   |                                                          |   |                                                      |
| CROWNING_INDEX      | N(3)                                                     | 20-foot wind speed (mph) needed to support an active or running crown fire.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |             |   |                                                       |   |                                                          |   |                                                      |
| CROWN_BASE_HEIGHT   | N(3)                                                     | Nrv_tree_measurements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |             |   |                                                       |   |                                                          |   |                                                      |
| CROWN_CONDITION     | VC(1)                                                    | An indication of the vigor of trees, determined by the current condition of the treetops.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |             |   |                                                       |   |                                                          |   |                                                      |

**NRV\_PERM\_CHAR (cont.)**

| Name                 | Size                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
|----------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|--------------------------|----------|-----------|----------------------------|-----|---------------------------------------------------|---------------------------|-----|-----|------------------|-----|
| CROWN_FIRE           | VC(2)                                             | <div>Coding based on the forested polygon's potential to express crown fire behavior during a wildfire event.</div> <table><tr><th>Code</th><th>Description</th></tr><tr><td>L</td><td>Low</td></tr><tr><td>M</td><td>Moderate</td></tr><tr><td>H</td><td>High</td></tr><tr><td>NA</td><td>Not Applicable – non-forest and woodland polygons</td></tr></table>                                              | Code | Description | L   | Low | M                        | Moderate | H         | High                       | NA  | Not Applicable – non-forest and woodland polygons |                           |     |     |                  |     |
| Code                 | Description                                       |                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| L                    | Low                                               |                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| M                    | Moderate                                          |                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| H                    | High                                              |                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| NA                   | Not Applicable – non-forest and woodland polygons |                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| CUBIC_CULL           | N(11,4)                                           | Cubic foot volume per acre in live, sound, and rotten cull trees 5.0 inches in diameter and larger.                                                                                                                                                                                                                                                                                                         |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DATE_ACCURACY        | VC(5)                                             | <div>Accuracy of the date stored in measurement_date</div> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>DAY</td><td>Valid to the nearest day</td><td>All</td></tr><tr><td>MONT<br/>H</td><td>Valid to the nearest month</td><td>All</td></tr><tr><td>YEAR</td><td>Valid to the nearest year</td><td>All</td></tr><tr><td>EST</td><td>Only an estimate</td><td>All</td></tr></table> | Code | Description | Use | DAY | Valid to the nearest day | All      | MONT<br>H | Valid to the nearest month | All | YEAR                                              | Valid to the nearest year | All | EST | Only an estimate | All |
| Code                 | Description                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DAY                  | Valid to the nearest day                          | All                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| MONT<br>H            | Valid to the nearest month                        | All                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| YEAR                 | Valid to the nearest year                         | All                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| EST                  | Only an estimate                                  | All                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DBH                  | N(5,2)                                            | Quadratic mean diameter, in inches, or the diameter, in inches, of the tree of average basal area.                                                                                                                                                                                                                                                                                                          |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DBH_BREAKPOINT       | N(5,2)                                            | Minimum diameter, in inches, allowed by the sampling design.                                                                                                                                                                                                                                                                                                                                                |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DBH_TYPE             | VC(4)                                             | The value the user chose for calculating diameter in the summary application.                                                                                                                                                                                                                                                                                                                               |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DENSITY_INDEX        | N(7,2)                                            | Calculated stand density index.                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DENSITY_INDEX_REF    | VC(30)                                            | The published reference for density_index                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DENSITY_INDEX_TYPE   | VC(30)                                            | Set to “QMD.”                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DISTRICT_NO          | VC(2)                                             | Ranger district number of the administrator or owner of the site.                                                                                                                                                                                                                                                                                                                                           |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DOWN_WOODY           | N(10,4)                                           | Weight, in tons per acre, of the down woody material.                                                                                                                                                                                                                                                                                                                                                       |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| DUFF_LITTER_DEPTH    | N(6,3)                                            | The depth, in inches, of duff and litter.                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| ECOREGION_SUBSECTION | VC(7)                                             | Bailey’s Ecoregion subsection.                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| ELEVATION            | N(6,1)                                            | Height, in feet, above sea level.                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| ELEVATION_MAX        | N(6,1)                                            | The maximum site elevation, in feet.                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| ELEVATION_MIN        | N(6,1)                                            | The minimum site elevation, in feet.                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| EV_CODE              | VC(10)                                            | Existing site vegetation code.                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |
| EV_REF_CODE          | VC(10)                                            | Document from which the ev_code was obtained. This column is constrained by the codes in Nrv cover references.                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |          |           |                            |     |                                                   |                           |     |     |                  |     |

**NRV\_PERM\_CHAR (cont.)**

| Name                     | Size                                                                                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---|---------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------|
| FIRE_REGIME              | N(1)                                                                                                                            | <div>A general classification of the role fire would play across a landscape in the absence of modern human mechanical intervention. There are five natural (historical) fire regimes. Classification is based on average number of years between fires combined with severity of the fire on the dominant overstory vegetation.</div> <table><tr><th>Code</th><th>Description</th></tr><tr><td>1</td><td>0-35 year frequency and low (surface fires most common) to mixed severity (&lt;75% of the dominant overstory vegetation replaced).</td></tr><tr><td>2</td><td>0-35 year frequency and high (stand replacement) severity (&gt;75% of the dominant overstory vegetation replaced).</td></tr><tr><td>3</td><td>35-100+ year frequency and mixed severity (&lt;75% of the dominant overstory vegetation replaced).</td></tr><tr><td>4</td><td>35-100+ year frequency and high (stand replacement) severity (&gt;75% of the dominant overstory vegetation replaced).</td></tr><tr><td>5</td><td>200+ year frequency and high (stand replacement) severity.</td></tr></table> | Code | Description | 1 | 0-35 year frequency and low (surface fires most common) to mixed severity (<75% of the dominant overstory vegetation replaced). | 2 | 0-35 year frequency and high (stand replacement) severity (>75% of the dominant overstory vegetation replaced). | 3 | 35-100+ year frequency and mixed severity (<75% of the dominant overstory vegetation replaced). | 4 | 35-100+ year frequency and high (stand replacement) severity (>75% of the dominant overstory vegetation replaced). | 5 | 200+ year frequency and high (stand replacement) severity. |
| Code                     | Description                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| 1                        | 0-35 year frequency and low (surface fires most common) to mixed severity (<75% of the dominant overstory vegetation replaced). |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| 2                        | 0-35 year frequency and high (stand replacement) severity (>75% of the dominant overstory vegetation replaced).                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| 3                        | 35-100+ year frequency and mixed severity (<75% of the dominant overstory vegetation replaced).                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| 4                        | 35-100+ year frequency and high (stand replacement) severity (>75% of the dominant overstory vegetation replaced).              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| 5                        | 200+ year frequency and high (stand replacement) severity.                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| FORAGE                   | N(4)                                                                                                                            | The forage, in pounds per acre, produced on the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| FOREST_ADMIN             | VC(2)                                                                                                                           | Administrative Forest number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| FOREST_PROC              | VC(2)                                                                                                                           | Proclaimed Forest number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| FUEL_DEPTH               | N(3,1)                                                                                                                          | The average depth, in inches, the fuel bed extends above the surface of the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| FUEL_MODEL               | VC(3)                                                                                                                           | Fuel model used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| FUEL_PHOTO_REFERENCE     | VC(10)                                                                                                                          | Document from which the fuel model was obtained or the residue description photo.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| GIS_LINK                 | VC(26)                                                                                                                          | The identifier to link the site to a Geographic Information System (GIS) coverage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| HABITAT_EFFECT_INDEX     | VC(1)                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| HAB_STRUCT_STAGE_CODE    | VC(50)                                                                                                                          | Nrv_vss.vss, trimmed to 2 characters (only used for Regions 2, 3, & 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| HAB_STRUCT_STAGE_REF     | VC(30)                                                                                                                          | Region code in the format 'R02,' 'R03,' or 'R04' (only used for Regions 2, 3, & 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| HAZ_RATING               | VC(1)                                                                                                                           | Hazard ratings for stands.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| HORIZONTAL_CONTINUITY    | VC(1)                                                                                                                           | A description of the uniformity of the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| INVENTORY_STRATIFICATION | VC(10)                                                                                                                          | The average site stratum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| LANDFORM                 | VC(2)                                                                                                                           | The average site landform (e.g., convex, concave).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| LATITUDE_DEG             | N(3)                                                                                                                            | Degree portion of the angular distance, North or South of the equator. Stored in degrees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| LATITUDE_MIN             | N(2)                                                                                                                            | Minute portion of the angular distance, North or South of the equator. Stored in minutes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |
| LATITUDE_SEC             | N(4,2)                                                                                                                          | Second portion of the angular distance, North or South of the equator. Stored in seconds.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |                                                                                                                                 |   |                                                                                                                 |   |                                                                                                 |   |                                                                                                                    |   |                                                            |

**NRV\_PERM\_CHAR (cont.)**

| Name                       | Size    | Description                                                                                                                                                                                                                                                                    |
|----------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOADER_VERSION             | VC(15)  | The version of the loader program used to load the data into the perm summary tables. This field contains the loader compilation date and is populated only at the parent record of the setting, not the child record.                                                         |
| LOCAL_AT1_DESCRIPTION      | VC(80)  | Description of local attribute number 1.                                                                                                                                                                                                                                       |
| LOCAL_AT2_DESCRIPTION      | VC(80)  | Description of local attribute number 2.                                                                                                                                                                                                                                       |
| LOCAL_AT3_DESCRIPTION      | VC(80)  | Description of local attribute number 3.                                                                                                                                                                                                                                       |
| LOCAL_AT4_DESCRIPTION      | VC(80)  | Description of local attribute number 4.                                                                                                                                                                                                                                       |
| LOCAL_AT5_DESCRIPTION      | VC(80)  | Description of local attribute number 5.                                                                                                                                                                                                                                       |
| LOCALLY_DEFINED_AT1        | VC(30)  | Locally defined attribute number 1.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT2        | VC(30)  | Locally defined attribute number 2.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT3        | VC(30)  | Locally defined attribute number 3.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT4        | VC(30)  | Locally defined attribute number 4.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT5        | VC(30)  | Locally defined attribute number 5.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT6        | VC(30)  | Locally defined attribute number 6.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT7        | VC(30)  | Locally defined attribute number 7.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT8        | VC(30)  | Locally defined attribute number 8.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT9        | VC(30)  | Locally defined attribute number 9.                                                                                                                                                                                                                                            |
| LOCALLY_DEFINED_AT10       | VC(30)  | Locally defined attribute number 10.                                                                                                                                                                                                                                           |
| LOCATION                   | VC(16)  | The location of the stand within a Region, Forest, and District.                                                                                                                                                                                                               |
| LONGITUDE_DEG              | N(3)    | Degree portion of the angular distance East or West of the prime meridian at Greenwich, England. Stored in degrees.                                                                                                                                                            |
| LONGITUDE_MIN              | N(2)    | Minute portion of the angular distance East or West of the prime meridian at Greenwich England. Stored in minutes.                                                                                                                                                             |
| LONGITUDE_SEC              | N(4,2)  | Second portion of the angular distance East or West of the prime meridian at Greenwich England. Stored in seconds.                                                                                                                                                             |
| LYNX_HABITAT               | VC(1)   | Lynx habitat code.                                                                                                                                                                                                                                                             |
| MANAGEMENT_PRODUCTIVITY    | VC(1)   | An indicator of the mean annual increment of stand growth                                                                                                                                                                                                                      |
| MANAGEMENT_TYPE_EV_CODE    | VC(50)  | Not used at this time                                                                                                                                                                                                                                                          |
| MANAGEMENT_TYPE_EV_REF     | VC(30)  | Not used at this time                                                                                                                                                                                                                                                          |
| MANAGEMENT_TYPE_SITE_INDEX | N(4,1)  | Not used at this time                                                                                                                                                                                                                                                          |
| MANAGEMENT_TYPE_SI_REFCODE | VC(3)   | Not used at this time                                                                                                                                                                                                                                                          |
| MANAGEMENT_TYPE_SI_SPECIES | VC(8)   | Not used at this time                                                                                                                                                                                                                                                          |
| MEASUREMENT_DATE           | DATE    | Date the site was measured.                                                                                                                                                                                                                                                    |
| MERCH_BOARD_GROSS          | N(13,4) | Merchantable, gross board foot volume per acre. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4. |
| MERCH_BOARD_GROSS_SD       | N(15,4) | Standard deviation of merch_board_gross                                                                                                                                                                                                                                        |
| MERCH_BOARD_GROSS_SE       | N(7,4)  | Standard error of merch_board_gross                                                                                                                                                                                                                                            |
| MERCH_BOARD_NET            | N(13,4) | Merchantable, net board foot volume per acre.                                                                                                                                                                                                                                  |
| MERCH_BOARD_NET_SD         | N(15,4) | Standard deviation of merch_board_net                                                                                                                                                                                                                                          |
| MERCH_BOARD_NET_SE         | N(7,4)  | Standard error of merch_board_net                                                                                                                                                                                                                                              |

**NRV\_PERM\_CHAR (cont.)**

| Name                 | Size             | Description                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |   |               |   |                 |   |                  |   |                  |   |           |
|----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---|---------------|---|-----------------|---|------------------|---|------------------|---|-----------|
| MERCH_CUBIC_GROSS    | N(11,4)          | Merchantable, gross cubic foot volume per acre. For Region 9, this is the cubic foot volume in the sawlog portion of sawtimber trees. It does not include the topwood volume. It does not include pulpwood tree volume.                                                                                                                                                                                                 |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MERCH_CUBIC_GROSS_SD | N(13,4)          | Standard deviation of merch_cubic_gross.                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MERCH_CUBIC_GROSS_SE | N(7,4)           | Standard error of merch_cubic_gross                                                                                                                                                                                                                                                                                                                                                                                     |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MERCH_CUBIC_NET      | N(11,4)          | Merchantable, net cubic foot volume per acre.                                                                                                                                                                                                                                                                                                                                                                           |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MERCH_CUBIC_NET_SD   | N(13,4)          | Standard deviation of merch_cubic_net                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MERCH_CUBIC_NET_SE   | N(7,4)           | Standard error of merch_cubic_net                                                                                                                                                                                                                                                                                                                                                                                       |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MERIDIAN_CODE        | VC(2)            | The principal meridian, defined as the line from which the survey of township boundaries along the parallels is initiated. This column is constrained by the codes in Nrv_principal_meridians.                                                                                                                                                                                                                          |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MODIFIED_BY          | VC(30)           | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                                                                    |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MODIFIED_DATE        | DATE             | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                  |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| MODIFIED_IN_INSTANCE | N(6)             | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                                                                              |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| NFS_LAND_CLASS       | VC(3)            | Current land class used for NFS data. A classification that indicates the basic land cover.                                                                                                                                                                                                                                                                                                                             |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| PAG                  | VC(7)            | Plant Association Group. An aggregation of plant association groups with similar dominant plant species.                                                                                                                                                                                                                                                                                                                |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| PHOTO_ID             | VC(20)           | A unique ID for each photo, defined within a photo project.                                                                                                                                                                                                                                                                                                                                                             |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| PRODUCTIVITY_CLASS   | VC(2)            | Range productivity class.                                                                                                                                                                                                                                                                                                                                                                                               |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| PROJECT_NAME         | VC(25)           | Summary project name.                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| PURPOSE_CODE         | VC(4)            | Code that represents the reason for the survey.                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| PV_CODE              | VC(10)           | Potential vegetation for this site.                                                                                                                                                                                                                                                                                                                                                                                     |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| PV_REF_CODE          | VC(10)           | Document from which the pv_code was obtained. This column is constrained by the codes in Nvr_cover_references.                                                                                                                                                                                                                                                                                                          |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| RANGE_CAPABILITY     | VC(1)            | Range suitability is an indicator as to the ability of a given stand to support grazing by domestic (or at time, wild) ungulates. Codes are: <table><tr><th>Code</th><th>Description</th></tr><tr><td>P</td><td>Primary Range</td></tr><tr><td>S</td><td>Secondary Range</td></tr><tr><td>T</td><td>Transitory Range</td></tr><tr><td>U</td><td>Unsuitable Range</td></tr><tr><td>R</td><td>Non-Range</td></tr></table> | Code | Description | P | Primary Range | S | Secondary Range | T | Transitory Range | U | Unsuitable Range | R | Non-Range |
| Code                 | Description      |                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| P                    | Primary Range    |                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| S                    | Secondary Range  |                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| T                    | Transitory Range |                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| U                    | Unsuitable Range |                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| R                    | Non-Range        |                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| RANGE_CONDITION      | VC(1)            | A rating for the site based on the amount of livestock forage present as compared with the largest quantity of forage that could exist on that site under current environmental conditions.                                                                                                                                                                                                                             |      |             |   |               |   |                 |   |                  |   |                  |   |           |
| RANGE_TREND          | VC(1)            | A resource value rating for range livestock forage condition.                                                                                                                                                                                                                                                                                                                                                           |      |             |   |               |   |                 |   |                  |   |                  |   |           |

**NRV\_PERM\_CHAR (cont.)**

| Name                    | Size                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
|-------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|---------------------------|-----|-------|-----------------------------|-----|------|----------------------------|-----|-----|-------------------|-----|
| REFERENCE_DATE          | DATE                        | Date of survey or measurement, which includes both field survey and photo interpretation.                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| REFERENCE_DATE_ACCURACY | VC(5)                       | Accuracy of the date stored in reference_date. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>DAY</td><td>Valid to the nearest day.</td><td>All</td></tr> <tr> <td>MONTH</td><td>Valid to the nearest month.</td><td>All</td></tr> <tr> <td>YEAR</td><td>Valid to the nearest year.</td><td>All</td></tr> <tr> <td>EST</td><td>Only an estimate.</td><td>All</td></tr> </tbody> </table> | Code | Description | Use | DAY | Valid to the nearest day. | All | MONTH | Valid to the nearest month. | All | YEAR | Valid to the nearest year. | All | EST | Only an estimate. | All |
| Code                    | Description                 | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| DAY                     | Valid to the nearest day.   | All                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| MONTH                   | Valid to the nearest month. | All                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| YEAR                    | Valid to the nearest year.  | All                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| EST                     | Only an estimate.           | All                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| REGEN_EV_CODE           | VC(10)                      | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| REGEN_EV_CODE_REF       | VC(10)                      | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| REGION_ADMIN            | VC(2)                       | Administrative Region number.                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| REGION_PROC             | VC(2)                       | Proclaimed Region number.                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| REMARKS                 | VC(255)                     | Remarks about this summary.                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| RESIDUE_DESC_CODE       | VC(10)                      | Document from which the fuel model was obtained or the residue description photo.                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| RIPARIAN_POLYGON        | VC(1)                       | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SAF_COVER_TYPE          | VC(3)                       | Society of American Foresters forest cover type code. These codes are numeric and up to 3 digits. Example: 27 = sugar maple.                                                                                                                                                                                                                                                                                                                           |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SECTION                 | VC(2)                       | Public Land Survey section where the site is located. Valid numbers are 1-36.                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SETTING_ORIGIN          | VC(2)                       | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SETTING_SIZE            | N(8,4)                      | Total area of the site, in acres.                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SITE_INDEX              | N(4,1)                      | A measure of vegetative productivity, determined from the height of a tree at a specified index of base age.                                                                                                                                                                                                                                                                                                                                           |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SITE_INDEX_REF          | VC(10)                      | The reference for the data stored in site_index                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SITE_INDEX_SPP          | VC(8)                       | The NRCS plant code of the tree from which data in site_index was calculated.                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SLOPE                   | N(3)                        | Ratio, in percent, of vertical rise to horizontal distance for the site.                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SLOPE_POSITION          | VC(2)                       | Primary position of a setting on a slope.                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| SRM_COVER_TYPE          | VC(3)                       | Society of Range Management rangeland cover type code. These codes are numeric and up to 3 digits. Example: 216 = montane meadows.                                                                                                                                                                                                                                                                                                                     |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| STAND_CONDITION         | VC(2)                       | Classification based on the dominant canopy layer, and the overall condition of the site.                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| STAND_CONDITION_REF     | VC(30)                      | Region code in the format 'R08' or 'R09' (only used for Regions 8 & 9)                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| STAND_VSS               | VC(6)                       | Stand vegetation structural stage                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| STATE                   | VC(2)                       | State code where the site is located.                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| STATE_PLANE_DATUM       | VC(10)                      | Method of determination for latitude and longitude.                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| STATE_PLANE_X           | N(12,3)                     | The X-coordinate of the State Plane grid.                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| STATE_PLANE_Y           | N(12,3)                     | The Y-coordinate of the State Plane grid.                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| STATE_PLANE_ZONE        | VC(10)                      | The zone in which the State Plane exists.                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |

**NRV\_PERM\_CHAR (cont.)**

| Name                       | Size                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
|----------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---|-------------------|---|----------------------------------|---|---------------------------------------------|---|-------------------------------------|---|------------------------------|---|------------------------------------------|---|--------------------------------------------|
| STOCKING_FLAG              | VC(1)                                       | Flag to indicate if the setting is currently stocked.<br>Y = Yes the setting is currently stocked                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| STOCKING_PERCENT           | N(3)                                        | The extent to which a given stand density meets a management objective, stored in percent. Valid values are 0-999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| SUBCOMPARTMENT_NO          | VC(10)                                      | Subdivision of compartment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| SUITABILITY                | VC(1)                                       | Lands suitable for timber production are those which are forested, capable of producing industrial wood, restockable, not likely to sustain irreversible damage, have adequate response information, and have not been withdrawn from timber production. Codes are: <table><tr><th>Code</th><th>Description</th></tr><tr><td>N</td><td>Non-forested land</td></tr><tr><td>W</td><td>Withdrawn from timber production</td></tr><tr><td>I</td><td>Land incapable of producing industrial wood</td></tr><tr><td>T</td><td>Irreversible damage likely to occur</td></tr><tr><td>R</td><td>Restocking cannot be assured</td></tr><tr><td>O</td><td>Adequate response information is lacking</td></tr><tr><td>S</td><td>Tentatively suitable for timber production</td></tr></table> | Code | Description | N | Non-forested land | W | Withdrawn from timber production | I | Land incapable of producing industrial wood | T | Irreversible damage likely to occur | R | Restocking cannot be assured | O | Adequate response information is lacking | S | Tentatively suitable for timber production |
| Code                       | Description                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| N                          | Non-forested land                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| W                          | Withdrawn from timber production            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| I                          | Land incapable of producing industrial wood |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| T                          | Irreversible damage likely to occur         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| R                          | Restocking cannot be assured                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| O                          | Adequate response information is lacking    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| S                          | Tentatively suitable for timber production  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| SURVEY_UNIT                | VC(2)                                       | Forest Inventory and Analysis survey unit identification number. Survey units are usually groups of Counties within each State.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TIMBER_SUIT_RECOMMEND_CODE | VC(50)                                      | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TIMBER_SUITABILITY_CODE    | VC(50)                                      | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TIMBER_SUITABILITY_REF     | VC(30)                                      | Not used at this time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TOTAL_CUBIC                | N(11,4)                                     | Nrv_setting_measurements.total_cubic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TORCHING_INDEX             | N(3)                                        | 20-foot wind speed (mph) at which a surface fire is expected to ignite the crown layer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TOWNSHIP                   | VC(5)                                       | Public Land Survey township where the site is located.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TPA                        | N(10,4)                                     | Number of live trees per acre in the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TPA_CV                     | N(13,4)                                     | Coefficient of variation of TPA column                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TPA_SD                     | N(13,4)                                     | Standard deviation of TPA column                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TPA_SE                     | N(7,4)                                      | Standard error of TPA column                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |
| TREE_LAYER_STRUCTURE       | VC(2)                                       | Number of tree layers in the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |   |                   |   |                                  |   |                                             |   |                                     |   |                              |   |                                          |   |                                            |

**NRV\_PERM\_CHAR (cont.)**

| Name            | Size   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TREE_SIZE_CLASS | VC(2)  | <p><b>Not currently filled</b>, but the intent is to list the tree size class that has the plurality of basal area in the setting, where the tree classes are:</p> <ol style="list-style-type: none"> <li>1. 'SAWT' = sawtimber stands<br/>(BA/ac of 9+” diameter trees &gt;= BA/ac of 5-8.9” trees or plurality of BA/ac is in trees &gt;= 9” diameter).</li> <li>2. 'POLE' = poletimber stands<br/>(plurality of BA/ac is in trees 5-8.9” diameter)</li> <li>3. 'SEED' = seedling/sapling stands<br/>(plurality of BA/ac is in trees &lt; 5”).</li> <li>4. 'NONS' = nonstocked<br/>(Less than 10% stocked with trees).</li> </ol> <p>There is some discussion of developing size classes for shrubs, and, perhaps, herbaceous vegetation, but a national consensus is pending.</p> |
| USGS_LANDUSE2   | VC(2)  | United States Geological Survey land use land cover code. A 2-digit numeric code such as “11” for residential, “41” for deciduous forestland or “72” for beaches.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UTM_DATUM       | VC(10) | Method of determination for recording UTM coordinates. FIA plots use the NAD83 datum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UTM_EASTING     | N(6)   | Easting, for the southwest corner of the UTM grid cell encompassing the setting. Stored in meters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| UTM_NORTHING    | N(7)   | Northing, for the southwest corner of the UTM grid cell encompassing the setting. Stored in meters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UTM_ZONE        | N(2)   | UTM zone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| YEAR_OF_ORIGIN  | N(4)   | Calendar year the site was planted or created. This value is determined from the mean age of the dominant and codominant trees in the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**NRV\_PERM\_GRP\_BY**

This table contains legacy summary data. This table is similar to Nrv\_group\_by.

| Name                            | Size   | Description                                                                          |
|---------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>           | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| CREATED_BY<br><i>Required</i>   | VC(30) | The name of the person who created the record.                                       |
| CREATED_DATE<br><i>Required</i> | DATE   | The date the record was created.                                                     |

**NRV\_PERM\_GRP\_BY (cont.)**

| Name                                   | Size                 | Description                                                                                                                                                                                                                               |      |             |     |    |            |     |    |                      |     |
|----------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|------------|-----|----|----------------------|-----|
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                 | The database server ID where the record was created.                                                                                                                                                                                      |      |             |     |    |            |     |    |                      |     |
| GROUP_1<br><i>Required</i>             | VC(20)               | The name of grouping class number 1.                                                                                                                                                                                                      |      |             |     |    |            |     |    |                      |     |
| PERM_CHAR_CN<br><i>Required</i>        | VC(34)               | A foreign key to Nrv_perm_char.                                                                                                                                                                                                           |      |             |     |    |            |     |    |                      |     |
| SUBGROUP_1<br><i>Required</i>          | VC(30)               | The name of subgroup number 1.                                                                                                                                                                                                            |      |             |     |    |            |     |    |                      |     |
| USER_OPS_ACCT<br><i>Required</i>       | VC(30)               | The OPS\$ account number of the user who created the summary.                                                                                                                                                                             |      |             |     |    |            |     |    |                      |     |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)               | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                      |      |             |     |    |            |     |    |                      |     |
| ANN_INCR_PER                           | N(8,4)               | Periodic annual increment. Volume of tree growth, in cubic foot volume per acre, over a period divided into the number of years in the period.                                                                                            |      |             |     |    |            |     |    |                      |     |
| ANN_INCR_PER_LEN                       | N(3)                 | Number of years used in calculating ann_incr_per.                                                                                                                                                                                         |      |             |     |    |            |     |    |                      |     |
| BASAL_AREA                             | N(8,4)               | Basal area per acre, in square feet.                                                                                                                                                                                                      |      |             |     |    |            |     |    |                      |     |
| BASAL_AREA_CV                          | N(13,4)              | Coefficient of variation of basal_area                                                                                                                                                                                                    |      |             |     |    |            |     |    |                      |     |
| BASAL_AREA_SD                          | N(13,4)              | Standard deviation of basal_area                                                                                                                                                                                                          |      |             |     |    |            |     |    |                      |     |
| BASAL_AREA_SE                          | N(7,4)               | Standard error of basal_area                                                                                                                                                                                                              |      |             |     |    |            |     |    |                      |     |
| CONE_SEROTINY                          | VC(1)                | Percent of cones that are serotinous.                                                                                                                                                                                                     |      |             |     |    |            |     |    |                      |     |
| CROWN_DIAMETER                         | N(4,1)               | Crown diameter, in feet.                                                                                                                                                                                                                  |      |             |     |    |            |     |    |                      |     |
| CROWN_RATIO_COMP                       | N(3)                 | Compacted live crown ratio, in percent.                                                                                                                                                                                                   |      |             |     |    |            |     |    |                      |     |
| CROWN_RATIO_UNC                        | N(3)                 | Uncompacted live crown ratio, in percent.                                                                                                                                                                                                 |      |             |     |    |            |     |    |                      |     |
| DATA_METHOD                            | VC(30)               | <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>SE</td><td>Stand exam</td><td>All</td></tr> <tr> <td>PI</td><td>Photo interpretation</td><td>All</td></tr> </tbody> </table> | Code | Description | Use | SE | Stand exam | All | PI | Photo interpretation | All |
| Code                                   | Description          | Use                                                                                                                                                                                                                                       |      |             |     |    |            |     |    |                      |     |
| SE                                     | Stand exam           | All                                                                                                                                                                                                                                       |      |             |     |    |            |     |    |                      |     |
| PI                                     | Photo interpretation | All                                                                                                                                                                                                                                       |      |             |     |    |            |     |    |                      |     |
| DECAY_CLASS                            | VC(1)                | Current condition of the down woody material.                                                                                                                                                                                             |      |             |     |    |            |     |    |                      |     |
| DIAMETER                               | N(7,4)               | The average or quadratic mean diameter, in inches.                                                                                                                                                                                        |      |             |     |    |            |     |    |                      |     |
| DIAMETER_TYPE                          | VC(4)                | The type of computed diameter value used to characterize the group by class:<br>QMD = quadratic mean diameter<br>AVG = average diameter                                                                                                   |      |             |     |    |            |     |    |                      |     |
| DISTRIBUTION_TYPE                      | VC(1)                | The type of distribution of a grouping across a site.                                                                                                                                                                                     |      |             |     |    |            |     |    |                      |     |
| DOMINANT_SPECIES                       | VC(8)                | The species with the most cover or basal area.                                                                                                                                                                                            |      |             |     |    |            |     |    |                      |     |
| FUEL_WEIGHT                            | N(7,4)               | Fuel loading, in tons per acre.                                                                                                                                                                                                           |      |             |     |    |            |     |    |                      |     |
| GEOGRAPHICAL_AREA                      | VC(5)                | Geographical area code for locations not on a Forest Service site.                                                                                                                                                                        |      |             |     |    |            |     |    |                      |     |
| GIS_LINK                               | VC(26)               | The identifier to link the site to a Geographic Information System (GIS) coverage.                                                                                                                                                        |      |             |     |    |            |     |    |                      |     |
| HEIGHT_GROWTH                          | N(4,1)               | The mean annual height growth, in feet.                                                                                                                                                                                                   |      |             |     |    |            |     |    |                      |     |
| HEIGHT_LENGTH_AVG                      | N(4,1)               | The average height or length, in feet.                                                                                                                                                                                                    |      |             |     |    |            |     |    |                      |     |
| HEIGHT_LENGTH_MAX                      | N(4,1)               | The tallest height or longest length, in feet.                                                                                                                                                                                            |      |             |     |    |            |     |    |                      |     |
| HEIGHT_LENGTH_MIN                      | N(4,1)               | The shortest height or length, in feet.                                                                                                                                                                                                   |      |             |     |    |            |     |    |                      |     |
| LANDFORM                               | VC(2)                | The average site landform (e.g., convex, concave).                                                                                                                                                                                        |      |             |     |    |            |     |    |                      |     |

**NRV\_PERM\_GRP\_BY (cont.)**

| Name                   | Size    | Description                                                                                                                                                                                                             |
|------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAYER_HT_MAX           | N(3)    | Vertical distance, in feet, from ground level to the top of the layer.                                                                                                                                                  |
| LAYER_HT_MIN           | N(3)    | Vertical distance, in feet, from ground level to the bottom of the layer.                                                                                                                                               |
| LOCAL_AT6_DESCRIPTION  | VC(80)  | Description of local attribute number 6.                                                                                                                                                                                |
| LOCAL_AT7_DESCRIPTION  | VC(80)  | Description of local attribute number 7.                                                                                                                                                                                |
| LOCAL_AT8_DESCRIPTION  | VC(80)  | Description of local attribute number 8.                                                                                                                                                                                |
| LOCAL_AT9_DESCRIPTION  | VC(80)  | Description of local attribute number 9.                                                                                                                                                                                |
| LOCAL_AT10_DESCRIPTION | VC(80)  | Description of local attribute number 10.                                                                                                                                                                               |
| LOCALLY_DEFINED_AT6    | VC(30)  | Locally defined attribute number 6.                                                                                                                                                                                     |
| LOCALLY_DEFINED_AT7    | VC(30)  | Locally defined attribute number 7.                                                                                                                                                                                     |
| LOCALLY_DEFINED_AT8    | VC(30)  | Locally defined attribute number 8.                                                                                                                                                                                     |
| LOCALLY_DEFINED_AT9    | VC(30)  | Locally defined attribute number 9.                                                                                                                                                                                     |
| LOCALLY_DEFINED_AT10   | VC(30)  | Locally defined attribute number 10.                                                                                                                                                                                    |
| MERCH_BOARD_GROSS      | N(13,4) | Merchantable, gross board foot volume per acre.                                                                                                                                                                         |
| MERCH_BOARD_NET        | N(13,4) | Merchantable, net board foot volume per acre.                                                                                                                                                                           |
| MERCH_CUBIC_GROSS      | N(11,4) | Merchantable, gross cubic foot volume per acre. For Region 9, this is the cubic foot volume in the sawlog portion of sawtimber trees. It does not include the topwood volume. It does not include pulpwood tree volume. |
| MERCH_CUBIC_NET        | N(11,4) | Merchantable, net cubic foot volume per acre.                                                                                                                                                                           |
| MODIFIED_BY            | VC(30)  | The name of the person who last modified the record.                                                                                                                                                                    |
| MODIFIED_DATE          | DATE    | The date the record was last modified.                                                                                                                                                                                  |
| MODIFIED_IN_INSTANCE   | N(6)    | The database server ID where the record was last modified.                                                                                                                                                              |
| NO_OF_PIECES           | N(5)    | Number of similar down woody pieces per acre.                                                                                                                                                                           |
| NOXIOUS_WEED           | VC(1)   | Flag indicating this plant is considered a noxious weed in the political unit.                                                                                                                                          |
| PLANTS                 | N(9,4)  | Number of plants per acre.                                                                                                                                                                                              |
| PLANTS_CV              | N(13,4) | Coefficient of variation of the Plants column.                                                                                                                                                                          |
| PLANTS_SD              | N(13,4) | Standard deviation of the Plants column.                                                                                                                                                                                |
| PLANTS_SE              | N(7,4)  | Standard error of the Plants column.                                                                                                                                                                                    |
| PLANT_COVER            | N(4,1)  | Total cover, in percent, of all plants. This is the percent of the unit covered by the vertical projection of live plants. Overlapping foliage is counted once.                                                         |
| RADIAL_GROWTH          | N(3)    | Periodic change, in 20ths of an inch, in the bole radius over a time period.                                                                                                                                            |
| RADIAL_GROWTH_PERIOD   | N(3)    | Time period, in years, for the data in radial_growth                                                                                                                                                                    |
| SHRUB_SHAPE            | VC(1)   | A shrub shape.                                                                                                                                                                                                          |
| SHRUB_SIZE             | VC(1)   | Size class of shrub lifeforms that make up the majority of the shrub vegetation.                                                                                                                                        |
| SHRUB_VIGOR            | VC(1)   | A condition of shrub health or productivity.                                                                                                                                                                            |
| SNAGS                  | N(9,4)  | The number of snags per acre.                                                                                                                                                                                           |
| SPECIES_SYMBOL         | VC(8)   | The NRCS PLANTS code of the species represented by this record. For example, PSME = <i>Pseudotsuga menziesii</i>                                                                                                        |
| TE_SPECIES             | VC(1)   | Flag indicating a threatened, endangered, or sensitive species.                                                                                                                                                         |

**NRV\_PERM\_GRP\_BY (cont.)**

| Name            | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TOTAL_CUBIC     | N(11,4) | <b>Computed.</b> Total cubic foot volume per acre of this class. Representing the total ground-to-tip cubic foot volume of the main stem (does not include branches or foliage) of trees. This is a gross volume that is not associated with merchandising rules so it does not have a net volume counterpart.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TREE_SIZE_CLASS | VC(2)   | <b>Not currently filled</b> , but the intent is to list the tree size class with the plurality of basal area in the setting, where the tree classes are: <ol style="list-style-type: none"> <li>1. 'SAWT' = sawtimber stands<br/>(BA/ac of 9+” diameter trees &gt;= BA/ac of 5-8.9” trees or plurality of BA/ac is in trees &gt;= 9” diameter).</li> <li>2. 'POLE' = poletimber stands<br/>(plurality of BA/ac is in trees 5-8.9” diameter)</li> <li>3. 'SEED' = seedling/sapling stands<br/>(plurality of BA/ac is in trees &lt; 5”).</li> <li>4. 'NONS' = nonstocked<br/>(Less than 10% stocked with trees).</li> </ol> There is some discussion of developing size classes for shrubs, and, perhaps, herbaceous vegetation, but a national consensus is pending. |
| VEG_CLASS       | VC(2)   | Flag indicating the live/dead and standing/down status.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| VIGOR           | VC(1)   | A classification that describes the overall health, vigor, and maturity of tree crowns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| WEIGHT          | N(7,4)  | Weight, in pounds per acre.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| YEAR_OF_ORIGIN  | N(4)    | The year when the majority of plants within a class were established.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**NRV\_PERM\_MGMT\_DIRECTION**

This table describes summary data management direction. Much of this data is entered by the user in the “Summary/Perm/Permanent Management Direction” data input form.

| Name                                   | Size   | Description                                                                          |
|----------------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                 |
| PERM_CHAR_CN<br><i>Required</i>        | VC(34) | A system generated foreign key to Nrv_perm_char                                      |

**NRV\_PERM\_MGMT\_DIRECTION (cont.)**

| Name                          | Size   | Description                                                                                                                                                                                          |
|-------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VPDUNIT_ID<br><i>Required</i> | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| GIS_LINK                      | VC(26) | The identifier to link the site to the Geographic Information System (GIS) coverage.                                                                                                                 |
| MGMT_DIR                      | VC(20) | Short code to describe the management direction.                                                                                                                                                     |
| MGT_DIR_ALIAS                 | VC(20) | Management direction name.                                                                                                                                                                           |
| MODIFIED_BY                   | VC(30) | The name of the person who last modified the record.                                                                                                                                                 |
| MODIFIED_DATE                 | DATE   | The date the record was last modified.                                                                                                                                                               |
| MODIFIED_IN_INSTANCE          | N(6)   | The database server ID where the record was last modified.                                                                                                                                           |

**NRV\_PERM\_POLY\_DISTURBANCES**

This table describes summary data disturbances. Much of this data is entered user in the "Summary/Perm/Permanent Poly Disturbances" data input form.

| Name                                   | Size                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
|----------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|---------------------------|-----|-------|-----------------------------|-----|------|----------------------------|-----|-----|-------------------|-----|
| CN<br><i>Required</i>                  | VC(34)                      | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| CREATED_BY<br><i>Required</i>          | VC(30)                      | The name of the person who created the record.                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| CREATED_DATE<br><i>Required</i>        | DATE                        | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                        | The database server ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)                      | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                                                                         |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| AGENT_CODE                             | VC(3)                       | Disturbance agent code. Example: the southern pine beetle is code "003" under category 11, and the looper is code "003" under category 12. This column is constrained by the codes in Nrv_disturbance_agents.                                                                                                                                                                                                                                                |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| CATEGORY_CODE                          | VC(2)                       | Disturbance category code. Example: root disease is category "21". This column is constrained by the codes in Nrv_disturbance_categories.                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| DAMAGE_PERCENT                         | N(3)                        | Percent of the site affected by the damage.                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| DATE_ACCURACY                          | VC(5)                       | The accuracy of the date stored in disturbance_date. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>DAY</td><td>Valid to the nearest day.</td><td>All</td></tr> <tr> <td>MONTH</td><td>Valid to the nearest month.</td><td>All</td></tr> <tr> <td>YEAR</td><td>Valid to the nearest year.</td><td>All</td></tr> <tr> <td>EST</td><td>Only an estimate.</td><td>All</td></tr> </tbody> </table> | Code | Description | Use | DAY | Valid to the nearest day. | All | MONTH | Valid to the nearest month. | All | YEAR | Valid to the nearest year. | All | EST | Only an estimate. | All |
| Code                                   | Description                 | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| DAY                                    | Valid to the nearest day.   | All                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| MONTH                                  | Valid to the nearest month. | All                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| YEAR                                   | Valid to the nearest year.  | All                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |
| EST                                    | Only an estimate.           | All                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                           |     |       |                             |     |      |                            |     |     |                   |     |

**NRV\_PERM\_POLY\_DISTURBANCES (cont.)**

| Name                 | Size   | Description                                                                                               |
|----------------------|--------|-----------------------------------------------------------------------------------------------------------|
| DISTURBANCE_DATE     | DATE   | The date the site was disturbed. If date is not known enter the year and/or month that is known.          |
| EFFECT_CODE          | VC(3)  | The effect of damage on the site. This Name is constrained by the codes in Nrv_physical_effects           |
| EFFECT_SEVERITY      | VC(3)  | Severity of the damage effect. Stored in percent.                                                         |
| MODIFIED_BY          | VC(30) | The name of the person who last modified the record.                                                      |
| MODIFIED_DATE        | DATE   | The date the record was last modified.                                                                    |
| MODIFIED_IN_INSTANCE | N(6)   | The database server ID where the record was last modified.                                                |
| PERCENT_AFFECTED     | N(3)   | Percent of plants affected by disturbance.                                                                |
| PERM_CHAR_CN         | VC(34) | A foreign key to Nrv_perm_char.                                                                           |
| PERM_GRP_CN          | VC(34) | A foreign key to Nrv_perm_grp.                                                                            |
| PLANTS_DAMAGED       | N(5)   | The number of plants, per acre, affected by a disturbance.                                                |
| SEVERITY_RATING_CODE | VC(6)  | Severity of the disturbance to the site. This column is constrained by the codes in Nrv_severity_ratings. |

**NRV\_PLOT\_COUNTS**

This table contains tallies of plots, used to aggregate data. These tallies refer to the actual number of plots installed and the standard number of plots installed for a design. A record must exist in Nrv\_setting\_measurements and optionally in Nrv\_sample\_designs, before entering a record in this table.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                 |
| SETMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_setting_measurements.                                                                                                                                                             |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database ID where the record was created.                                                                                                                                                        |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| COUNT_DESCRIPTION                      | VC(30) | Description of the data stored in the record and how it is used.<br>Example: PLOTS PER STAND<br>SUBPLOTS PER PLOT                                                                                    |
| DESIGN_CN                              | VC(34) | Foreign key to Nrv_sample_designs.                                                                                                                                                                   |
| MODIFIED_BY                            | VC(30) | The name of the person who modified the record.                                                                                                                                                      |
| MODIFIED_DATE                          | DATE   | The date the record was modified.                                                                                                                                                                    |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database ID where the record was modified.                                                                                                                                                       |

| Name              | Size  | Description                                                                                                                                                        |
|-------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PLOTS_INSTALLED   | N(4)  | Sample elements at this record level per the next higher level. For example, three plots may be installed within a setting, or 7 subplots installed within a plot. |
| PLOTS_WITH_PLANTS | N(4)  | <b>This column is no longer used.</b>                                                                                                                              |
| ROW_ACCESS_CODE   | VC(6) | Control field to support row level access.                                                                                                                         |
| STANDARD_NO_PLOTS | N(4)  | The number of plots that should be, by design, installed.                                                                                                          |

## NRV\_REFERENCE\_POINTS

This table describing reference points used to locate the setting. This table may contain descriptions of reference points, supplemental reference points, and witness trees used to facilitate plot location. There can be multiple reference point records for each setting record. A record must exist in Nrv\_setting\_measurements before entering a record in this table.

| Name                            | Size   | Description                                                                                                                                                                                                                                                     |
|---------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>           | VC(40) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                            |
| SETMEAS_CN<br><i>Required</i>   | VC(34) | Foreign key to Nrv_setting_measurements.                                                                                                                                                                                                                        |
| CREATED_BY<br><i>Required</i>   | VC(30) | The name of the person who created the record.                                                                                                                                                                                                                  |
| CREATED_DATE<br><i>Required</i> | DATE   | The date the record was created.                                                                                                                                                                                                                                |
| CREATED_IN_INSTANCE             | N(6)   | The database ID where the record was created.                                                                                                                                                                                                                   |
| VPDUNIT_ID<br><i>Required</i>   | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                            |
| AZIMUTH                         | N(3)   | Azimuth to plot center (for a reference point), or the azimuth to corner (for a witness tree), or the azimuth to a supplemental reference point (for supplemental points).                                                                                      |
| AZIMUTH_CORNER                  | N(3)   | The azimuth, in degrees, from the subplot, microplot, annular, or hectare plot center to a corner or curve in a boundary. If a boundary is best described by a straight line between two circumference points, then record 000 for corner azimuth (000 = none). |
| AZIMUTH_LEFT                    | N(3)   | The azimuth, in degrees, from the subplot, microplot, annular, or hectare plot center to the farthest left point (facing the contrasting condition class) where the boundary intersects the subplot, microplot, annular, or hectare plot circumference.         |
| AZIMUTH_FROM_NAVIGATED_PLOT     | N(3)   | Azimuth from the plot you came from to this plot.                                                                                                                                                                                                               |
| AZIMUTH_RIGHT                   | N(3)   | The azimuth, in degrees, from the subplot, microplot, annular, or hectare plot center to the farthest right point (facing the contrasting condition class) where the boundary intersects the subplot, microplot, annular, or hectare plot circumference.        |

**NRV\_REFERENCE\_POINTS (cont.)**

| Name                  | Size                                                                                                                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-------------------------------------------------------------------------------|--|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|-------------------------------------------------------------------|--|----|-----------------------------------------------------------------------|--|
| BOUNDARY_CHANGE       | VC(1)                                                                                                                                                      | <p>For re-measurement locations only. The relationship between previously recorded and current boundary information.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>No change - boundary is the same as indicated on plot map by a previous crew.</td><td></td></tr> <tr> <td>1</td><td>New boundary, or boundary data has been changed to reflect an actual on-the-ground physical change resulting in a difference from the boundaries recorded.</td><td></td></tr> <tr> <td>2</td><td>Boundary has been changed to correct an error from previous crew.</td><td></td></tr> <tr> <td>3</td><td>Boundary has been changed to reflect a change in variable definition.</td><td></td></tr> </table> | Code | Description | Use | 0  | No change - boundary is the same as indicated on plot map by a previous crew. |  | 1  | New boundary, or boundary data has been changed to reflect an actual on-the-ground physical change resulting in a difference from the boundaries recorded. |  | 2  | Boundary has been changed to correct an error from previous crew. |  | 3  | Boundary has been changed to reflect a change in variable definition. |  |
| Code                  | Description                                                                                                                                                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| 0                     | No change - boundary is the same as indicated on plot map by a previous crew.                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| 1                     | New boundary, or boundary data has been changed to reflect an actual on-the-ground physical change resulting in a difference from the boundaries recorded. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| 2                     | Boundary has been changed to correct an error from previous crew.                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| 3                     | Boundary has been changed to reflect a change in variable definition.                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| CONTRASTING_CONDITION | VC(1)                                                                                                                                                      | The condition class number that contrasts with the condition class located at the subplot center (for boundaries on the subplot, annular or hectare plot) or at the microplot center (for boundaries on the microplot), e.g. the condition class present on the other side of the boundary line.                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| CORNER_DIRECTION      | VC(2)                                                                                                                                                      | <p>To help in locating plot, a square plot will have each corner identified.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>NE</td><td>Northeast</td><td></td></tr> <tr> <td>NW</td><td>Northwest</td><td></td></tr> <tr> <td>SW</td><td>Southwest</td><td></td></tr> <tr> <td>SE</td><td>Southeast</td><td></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                              | Code | Description | Use | NE | Northeast                                                                     |  | NW | Northwest                                                                                                                                                  |  | SW | Southwest                                                         |  | SE | Southeast                                                             |  |
| Code                  | Description                                                                                                                                                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| NE                    | Northeast                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| NW                    | Northwest                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| SW                    | Southwest                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| SE                    | Southeast                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| DIAMETER              | N(6,3)                                                                                                                                                     | Diameter of the reference tree, stored in inches.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| DIAMETER_HEIGHT       | N(7,4)                                                                                                                                                     | Height above ground, where the diameter was measured. For example: 4.5 implies a DBH (Diameter breast height) measurement at 4.5 feet above ground, and 0 implies a DRC (diameter at root collar) measurement at ground level. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| DIAMETER_METHOD       | VC(2)                                                                                                                                                      | <p>Method used to measure tree diameter in the Diameter column.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                               | Code | Description | Use | M  | Measured                                                                      |  | E  | Estimated                                                                                                                                                  |  | C  | Calculated                                                        |  |    |                                                                       |  |
| Code                  | Description                                                                                                                                                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| M                     | Measured                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| E                     | Estimated                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |
| C                     | Calculated                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                                               |  |    |                                                                                                                                                            |  |    |                                                                   |  |    |                                                                       |  |

**NRV\_REFERENCE\_POINTS (cont.)**

| Name                         | Size                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
|------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|------|-------------------------------------------------|--|----|--------------------------------------------------------|--|-----|-----------------------------------------------|--|----|------------------------------------------------------|--|
| DISTANCE                     | N(8,3)                                                 | Distance to plot center or plot corner (for reference trees), distance to plot center (for Reference Points), or distance to another reference point (for Supplemental Reference Point).                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| DISTANCE_CORNER              | N(5,2)                                                 | The horizontal distance, to the nearest foot, from the subplot, microplot, annular, or hectare plot center to a boundary corner point. Valid values for microplot (1 to 7 ft), subplot (1 to 24 ft), annular plot (1 to 59 ft), hectare plot (1 to 185 ft).                                                                                                                                                                                                                                                                                                 |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| DISTANCE_FROM_NAVIGATED_PLOT | N(8,3)                                                 | Distance from the plot you came from to this plot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| DISTANCE_METHOD              | VC(2)                                                  | Method used to measure distance from the plot center to the tree. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>C</td><td>Plot center to tree center, horizontal distance</td><td></td></tr> <tr> <td>UC</td><td>Plot center to tree center, uncorrected slope distance</td><td></td></tr> <tr> <td>F</td><td>Plot center to tree face, horizontal distance</td><td></td></tr> <tr> <td>UF</td><td>Plot center to tree face, uncorrected slope distance</td><td></td></tr> </tbody> </table> | Code | Description | Use | C    | Plot center to tree center, horizontal distance |  | UC | Plot center to tree center, uncorrected slope distance |  | F   | Plot center to tree face, horizontal distance |  | UF | Plot center to tree face, uncorrected slope distance |  |
| Code                         | Description                                            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| C                            | Plot center to tree center, horizontal distance        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| UC                           | Plot center to tree center, uncorrected slope distance |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| F                            | Plot center to tree face, horizontal distance          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| UF                           | Plot center to tree face, uncorrected slope distance   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| MAPCOND_CN                   | VC(34)                                                 | Foreign key to Nrv_fia_mapped_conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| MARKER_TYPE                  | VC(4)                                                  | Type of location marker. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>TREE</td><td>Witness tree</td><td></td></tr> <tr> <td>RP</td><td>Reference point</td><td></td></tr> <tr> <td>SRP</td><td>Supplemental reference point (way point)</td><td></td></tr> </tbody> </table>                                                                                                                                                                                                                | Code | Description | Use | TREE | Witness tree                                    |  | RP | Reference point                                        |  | SRP | Supplemental reference point (way point)      |  |    |                                                      |  |
| Code                         | Description                                            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| TREE                         | Witness tree                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| RP                           | Reference point                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| SRP                          | Supplemental reference point (way point)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| MODIFIED_BY                  | VC(30)                                                 | The name of the person who modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| MODIFIED_DATE                | DATE                                                   | The date the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| MODIFIED_IN_INSTANCE         | N(6)                                                   | The database ID where the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| MONUMENT_TYPE                | VC(1)                                                  | Whether it is the first (X) or second (Y) of the two required witness trees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| ON_PLOT_FLAG                 | VC(1)                                                  | Is the witness tree, reference point, or supplemental reference point on the sample plot?<br>Y = yes                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |
| PLOT_NAVIGATED_FROM          | VC(4)                                                  | Indicates the plot number of the plot that you came from.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |      |                                                 |  |    |                                                        |  |     |                                               |  |    |                                                      |  |

**NRV\_REFERENCE\_POINTS (cont.)**

| Name            | Size                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
|-----------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|--------------------------------------------|-----|---|------------------|--|---|--------------------|--|---|---------------------|--|---|---------------------------------------------|-----|
| PLOT_TYPE       | VC(1)                                       | <p>The type of boundary data for a subplot, microplot, or annular plot. If no boundaries are recorded for a subplot, enter one record with PLOT TYPE = 0.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>No boundaries are recorded for the subplot</td><td>PNW</td></tr> <tr> <td>1</td><td>Subplot boundary</td><td></td></tr> <tr> <td>2</td><td>Microplot boundary</td><td></td></tr> <tr> <td>3</td><td>Macro plot boundary</td><td></td></tr> <tr> <td>4</td><td>Hectare plot boundary (from subplot 1 only)</td><td>PNW</td></tr> </tbody> </table> | Code | Description | Use | 0 | No boundaries are recorded for the subplot | PNW | 1 | Subplot boundary |  | 2 | Microplot boundary |  | 3 | Macro plot boundary |  | 4 | Hectare plot boundary (from subplot 1 only) | PNW |
| Code            | Description                                 | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| 0               | No boundaries are recorded for the subplot  | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| 1               | Subplot boundary                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| 2               | Microplot boundary                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| 3               | Macro plot boundary                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| 4               | Hectare plot boundary (from subplot 1 only) | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| REFERENCE_NO    | VC(5)                                       | <p>Each type of reference point (witness tree, reference point, or supplemental reference point) is given a unique number.</p> <p>Example: combining marker code and reference number gives TREE1, TREE2, RP1, SRP1, SRP2, etc.</p>                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| REMARKS         | VC(255)                                     | Remarks relevant to the marker. An example is the type of marker if it is not a tree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| ROW_ACCESS_CODE | VC(6)                                       | Control field to support row level access.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| SPECIES_SYMBOL  | VC(8)                                       | The NRCS PLANTS code of the species represented by this record. For example, PSME = <i>Pseudotsuga menziesii</i> . Constrained by values in the appropriate TAXA table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| TAG_ID          | VC(5)                                       | The number physically attached or assigned to a witness tree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| TRAVEL_DESC     | VC(500)                                     | Travel description to the plot or travel description to the witness tree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |
| WITNESS_TYPE    | VC(2)                                       | Constrained by NRV_WITNESS_TYPES reference table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                            |     |   |                  |  |   |                    |  |   |                     |  |   |                                             |     |

**NRV\_SAMPLE\_DESIGNS**

This table describes a sample design used during data collection. This table may contain the description of sampling rule identifiers uniquely identifying the sampling design used during data collection. There can be multiple sample designs in each setting measurement, one per sample design rule. A record must exist in Nrv\_setting\_measurements before entering a record in this table.

| Name                                   | Size   | Description                                                                          |
|----------------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database ID where the record was created.                                        |

**NRV\_SAMPLE\_DESIGNS (cont.)**

| <b>Name</b>                   | <b>Size</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SETMEAS_CN<br><i>Required</i> | VC(34)      | Foreign key to Nrv_setting_measurements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| VPDUNIT_ID<br><i>Required</i> | VC(10)      | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SAMPLE_DESIGN_TYPE            | VC(6)       | <b>Not currently Used.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LENGTH                        | N(6,3)      | Measure of the extent along the greatest dimension of a rectangular or square plot. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MODIFIED_BY                   | VC(30)      | The name of the person who modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MODIFIED_DATE                 | DATE        | The date the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MODIFIED_IN_INSTANCE          | N(6)        | The database ID where the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PURPOSE_CODE                  | VC(4)       | <b>Not currently used</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| REMARKS                       | VC(255)     | Remarks relevant to the sample design.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ROW_ACCESS_CODE               | VC(6)       | Control field to support row level access.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SAMPLE_EXPANSION_FACTOR       | N(9,4)      | <p>The expansion factor corresponds to selection_method_type column. It is used to convert tree or piece data to a per-unit-area basis (acres). The expansion factor is dependent on the selection method selected.</p> <p>Selection Method    Expansion Factor</p> <p>FRQ      inverse of the fixed area plot</p> <p>BAFbasal area factor of the variable radius plot</p> <p>DBH      horizontal line factor</p> <p>TRN      length of fixed transect line expressed as a horizontal distance</p> <p>VTR      length of variable transect line</p> <p>HSQ      vertical point factor used</p> <p>HTSvertical line factor used</p> |
| SAMPLE_RULE_NO                | VC(3)       | Unique number to label the different rules within a sample design. This number is defined regionally.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| SELECTION_METHOD_TYPE | VC(3)                                                                                                                                                                                                                                                                                                                                     | <p>Method by which trees, shrubs, grasses or debris were selected:</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>FRQ</td><td>Frequency for fixed area plots or linear strip plots.</td><td>CSE</td></tr> <tr> <td>BAF</td><td>Basal area factor for a variable radius plot.</td><td>CSE</td></tr> <tr> <td>TRN</td><td>Fixed length transect line.</td><td>CSE</td></tr> <tr> <td>DBH</td><td>Horizontal line sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Sampling) where the sampled trees are selected by projecting horizontal angle at right angles to a line. The plot associated with any given tree is rectangular and its area (or width) is a linear function of tree diameter.</td><td></td></tr> <tr> <td>VTR</td><td>Variable length transect line.</td><td></td></tr> <tr> <td>HSQ</td><td>Vertical point sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Point Sampling) where the sampled trees are selected by projecting a vertical angle around a point. The plot associated with any given tree is circular and its area (or radius squared) is a linear function of tree height squared.</td><td></td></tr> <tr> <td>HTS</td><td>Vertical line sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Point Sampling) where the sampled trees are selected by projecting a vertical angle at right angles to a line. The plot associated with any given tree is rectangular and its area (or width) is a linear function of tree height.</td><td></td></tr> <tr> <td>MIC</td><td>Microplot (Daubenmire range plots).</td><td></td></tr> <tr> <td>MAC</td><td>Macroplot (Daubenmire range plots).</td><td></td></tr> </tbody> </table> | Code | Description | Use | FRQ | Frequency for fixed area plots or linear strip plots. | CSE | BAF | Basal area factor for a variable radius plot. | CSE | TRN | Fixed length transect line. | CSE | DBH | Horizontal line sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Sampling) where the sampled trees are selected by projecting horizontal angle at right angles to a line. The plot associated with any given tree is rectangular and its area (or width) is a linear function of tree diameter. |  | VTR | Variable length transect line. |  | HSQ | Vertical point sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Point Sampling) where the sampled trees are selected by projecting a vertical angle around a point. The plot associated with any given tree is circular and its area (or radius squared) is a linear function of tree height squared. |  | HTS | Vertical line sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Point Sampling) where the sampled trees are selected by projecting a vertical angle at right angles to a line. The plot associated with any given tree is rectangular and its area (or width) is a linear function of tree height. |  | MIC | Microplot (Daubenmire range plots). |  | MAC | Macroplot (Daubenmire range plots). |  |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|-------------------------------------------------------|-----|-----|-----------------------------------------------|-----|-----|-----------------------------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|--------------------------------|--|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|-------------------------------------|--|-----|-------------------------------------|--|
| Code                  | Description                                                                                                                                                                                                                                                                                                                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| FRQ                   | Frequency for fixed area plots or linear strip plots.                                                                                                                                                                                                                                                                                     | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| BAF                   | Basal area factor for a variable radius plot.                                                                                                                                                                                                                                                                                             | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| TRN                   | Fixed length transect line.                                                                                                                                                                                                                                                                                                               | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| DBH                   | Horizontal line sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Sampling) where the sampled trees are selected by projecting horizontal angle at right angles to a line. The plot associated with any given tree is rectangular and its area (or width) is a linear function of tree diameter.       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| VTR                   | Variable length transect line.                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| HSQ                   | Vertical point sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Point Sampling) where the sampled trees are selected by projecting a vertical angle around a point. The plot associated with any given tree is circular and its area (or radius squared) is a linear function of tree height squared. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| HTS                   | Vertical line sample—a form of polyareal plot sampling (analogous to variable radius or Horizontal Point Sampling) where the sampled trees are selected by projecting a vertical angle at right angles to a line. The plot associated with any given tree is rectangular and its area (or width) is a linear function of tree height.     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| MIC                   | Microplot (Daubenmire range plots).                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |
| MAC                   | Macroplot (Daubenmire range plots).                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                                                       |     |     |                                               |     |     |                             |     |     |                                                                                                                                                                                                                                                                                                                                     |  |     |                                |  |     |                                                                                                                                                                                                                                                                                                                                           |  |     |                                                                                                                                                                                                                                                                                                                                       |  |     |                                     |  |     |                                     |  |

**NRV\_SAMPLE\_DESIGNS (cont.)**

| Name                | Size   | Description                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SETTING_DESIGN_CODE | VC(4)  | FIADB Plot Table variable. The type of plot design used to collect data.<br><br>1 = National FIA mapped plot design with 4 fixed-radius subplots<br>100-199 = Northeastern Station designs<br>200-299 = Southern Station designs<br>300-399 = North Central Station designs<br>400-499 = Rocky Mountain Station designs<br>500-599 = Pacific Northwest Station designs<br>600-699 = Alaska designs |
| TRANSECT_AZIMUTH    | N(3)   | Azimuth used to establish the transect line.                                                                                                                                                                                                                                                                                                                                                       |
| WIDTH               | N(6,3) | The measurement of the extent from side to side of a rectangular or square plot. Stored in feet.                                                                                                                                                                                                                                                                                                   |

**NRV\_SELECTION\_CRITERIA**

This table describes the selection criteria used during data collection. This table contains descriptions of unique subpopulations. There can be multiple selection criteria for each sample design record within a setting. A record must already exist in Nrv\_sample\_designs before entering a record in this table.

| Name                                   | Size   | Description                                                                                                                                                                                                             |
|----------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                    |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                                          |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                                        |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database ID where the record was created.                                                                                                                                                                           |
| DESIGN_CN<br><i>Required</i>           | VC(34) | Foreign key to Nrv_sample_designs.                                                                                                                                                                                      |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                    |
| MODIFIED_BY                            | VC(30) | The name of the person who modified the record.                                                                                                                                                                         |
| MODIFIED_DATE                          | DATE   | The date the record was modified.                                                                                                                                                                                       |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database ID where the record was modified.                                                                                                                                                                          |
| ROW_ACCESS_CODE                        | VC(6)  | Control field to support role level access.                                                                                                                                                                             |
| SELCRIT_CN_OF                          | VC(34) | Foreign key to Nrv_selection_criteria for recursive columns. This column is NOT currently used and should NOT be populated. Contact the FSVeg staff for proper implementation of recursive functionality in this table. |

**NRV\_SELECTION\_CRITERIA (cont.)**

| Name                                     | Size                                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
|------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|-----|-----------------|---------------------------|-------------------------------------|-----|-------------------------------|-----|---------------------------------------------------------|--------|---------------------------------------------|-----|-----------------------------|-----|-----------------------|---------------------------------|--------------------------------------------|-----|---------------------------------------|-----|-------------------------------|--------------------------------------|-----|-----|----------------------|-----|-----|---------|-----|-----|------------|--|
| SELECTION_CRITERIA_NO<br><i>Required</i> | VC(3)                                                   | A number to label each selection criteria record within an inventory. This number is usually unique for each selection criteria record in an inventory. If two or more selection criteria, within the same inventory, share the same selection criteria number, then they are linked by an implied “AND” condition; and hence a sample item must meet ALL of the linked selection criteria in order to be sampled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| SUBPOP                                   | VC(3)                                                   | <div>Characteristic used to define the sampled population.</div> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>DBH</td><td>Diameter at breast height</td><td>CSE</td></tr><tr><td>DRC</td><td>Diameter at root collar</td><td>CSE</td></tr><tr><td>HGT</td><td>Height</td><td>CSE</td></tr><tr><td>CVR</td><td>Percent of vegetation cover</td><td>CSE</td></tr><tr><td>SVC</td><td>Percent of ground surface cover</td><td>CSE</td></tr><tr><td>LGT</td><td>Length</td><td>CSE</td></tr><tr><td>DIA</td><td>Diameter at midpoint or intersection</td><td>CSE</td></tr><tr><td>DMG</td><td>Tree damage category</td><td>CSE</td></tr><tr><td>SPP</td><td>Species</td><td>CSE</td></tr><tr><td>STS</td><td>Tree class</td><td></td></tr></table>                                                                                                                                                                                                                                                                              | Code   | Description              | Use | DBH             | Diameter at breast height | CSE                                 | DRC | Diameter at root collar       | CSE | HGT                                                     | Height | CSE                                         | CVR | Percent of vegetation cover | CSE | SVC                   | Percent of ground surface cover | CSE                                        | LGT | Length                                | CSE | DIA                           | Diameter at midpoint or intersection | CSE | DMG | Tree damage category | CSE | SPP | Species | CSE | STS | Tree class |  |
| Code                                     | Description                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| DBH                                      | Diameter at breast height                               | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| DRC                                      | Diameter at root collar                                 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| HGT                                      | Height                                                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| CVR                                      | Percent of vegetation cover                             | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| SVC                                      | Percent of ground surface cover                         | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| LGT                                      | Length                                                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| DIA                                      | Diameter at midpoint or intersection                    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| DMG                                      | Tree damage category                                    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| SPP                                      | Species                                                 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| STS                                      | Tree class                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| SUBPOP_CODE_VALUE                        | VC(8)                                                   | <div>Subpopulation characteristic code. This value is used in conjunction with the “SUBPOP” value to further define the sampled population.</div> <table><tr><th>SUBPOP</th><th>Valid SUBPOP_CODE VALUES</th></tr><tr><td>CVR</td><td>LIVE, DEAD, ALL</td></tr><tr><td>DBH</td><td>LIVE, DEAD, ALL, DOWN, HARD*, SOFT*</td></tr><tr><td>DIA</td><td>LIVE, DEAD, ALL, DOWN, STUMPS</td></tr><tr><td>DMG</td><td>a disturbance category code from NRV_Disturbance_Agents</td></tr><tr><td>DRC</td><td>LIVE, DEAD, ALL, DOWN, CLUMPS, HARD*, SOFT*</td></tr><tr><td>HGT</td><td>LIVE, DEAD, ALL</td></tr><tr><td>LGT</td><td>LIVE, DEAD, ALL, DOWN</td></tr><tr><td>SPP</td><td>a Species Symbol from the tree TAXA table*</td></tr><tr><td>STS</td><td>LIVE, DEAD, ALL, STUMPS, CLUMPS, DOWN</td></tr><tr><td>SVC</td><td>not used for this SUBPOP code</td></tr></table> <div>* Can be used with ‘-L, ‘-D,’ and ‘-A’ suffixes to denote standing live, standing dead, and all standing live and dead, respectively, but are not used with CSE.</div> | SUBPOP | Valid SUBPOP_CODE VALUES | CVR | LIVE, DEAD, ALL | DBH                       | LIVE, DEAD, ALL, DOWN, HARD*, SOFT* | DIA | LIVE, DEAD, ALL, DOWN, STUMPS | DMG | a disturbance category code from NRV_Disturbance_Agents | DRC    | LIVE, DEAD, ALL, DOWN, CLUMPS, HARD*, SOFT* | HGT | LIVE, DEAD, ALL             | LGT | LIVE, DEAD, ALL, DOWN | SPP                             | a Species Symbol from the tree TAXA table* | STS | LIVE, DEAD, ALL, STUMPS, CLUMPS, DOWN | SVC | not used for this SUBPOP code |                                      |     |     |                      |     |     |         |     |     |            |  |
| SUBPOP                                   | Valid SUBPOP_CODE VALUES                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| CVR                                      | LIVE, DEAD, ALL                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| DBH                                      | LIVE, DEAD, ALL, DOWN, HARD*, SOFT*                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| DIA                                      | LIVE, DEAD, ALL, DOWN, STUMPS                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| DMG                                      | a disturbance category code from NRV_Disturbance_Agents |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| DRC                                      | LIVE, DEAD, ALL, DOWN, CLUMPS, HARD*, SOFT*             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| HGT                                      | LIVE, DEAD, ALL                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| LGT                                      | LIVE, DEAD, ALL, DOWN                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| SPP                                      | a Species Symbol from the tree TAXA table*              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| STS                                      | LIVE, DEAD, ALL, STUMPS, CLUMPS, DOWN                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| SVC                                      | not used for this SUBPOP code                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| SUBPOP_MAX_VALUE                         | N(13,4)                                                 | Maximum value for the subpopulation characteristic. If the Subpop column is DBH, DIA, DRC, LGT, or HGT, enter the maximum value. DBH, DIA, and DRC are stored in inches. LGT and HGT are stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |
| SUBPOP_MIN_VALUE<br><i>Required</i>      | N(13,4)                                                 | Minimum value for the subpopulation characteristic. If the Subpop column is DBH, DIA, DRC, LGT, or HGT, enter the minimum value.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                          |     |                 |                           |                                     |     |                               |     |                                                         |        |                                             |     |                             |     |                       |                                 |                                            |     |                                       |     |                               |                                      |     |     |                      |     |     |         |     |     |            |  |

**NRV\_SELECTION\_CRITERIA (cont.)**

| Name       | Size  | Description                                                                                                                                                                               |
|------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TALLY_FLAG | VC(1) | Was the subpopulation data collected with a tally count (i.e., diameter and height were not recorded, but species and tree count were)?<br><br>Y = Data was collected via a tally method. |

**NRV\_SETTING\_DISTURBANCES**

This table describes setting disturbances. There can be multiple setting disturbance records for each setting record. A record must already exist in Nrv\_setting\_measurements before entering a record in this table.

| Name                                   | Size                       | Description                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
|----------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|--------------------------|--|-------|----------------------------|--|------|---------------------------|--|-----|------------------|--|
| CN<br><i>Required</i>                  | VC(34)                     | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| CREATED_BY<br><i>Required</i>          | VC(30)                     | The name of the person who created the record.                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| CREATED_DATE<br><i>Required</i>        | DATE                       | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                       | The database ID where the record was created.                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| SETMEAS_CN<br>Required                 | VC(34)                     | Foreign key to Nrv_setting_measurements.                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| VPDUNIT_ID<br>Required                 | VC(10)                     | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                  |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| AGENT_CODE                             | VC(3)                      | Disturbance agent code. Example: the southern pine beetle is code "003" under category 11, and the looper is code "003" under category 12. This column is constrained by the codes in Nrv_disturbance_agents.                                                                                                                                                                                         |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| CATEGORY_CODE                          | VC(2)                      | Disturbance category code. Example: root disease is category "21". This column is constrained by the codes in Nrv_disturbance_categories.                                                                                                                                                                                                                                                             |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DAMAGE_PERCENT                         | N(3)                       | Percent of the setting affected by a disturbance agent.                                                                                                                                                                                                                                                                                                                                               |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DATE_ACCURACY                          | VC(5)                      | Indicates the accuracy of the disturbance date. <table border="1"> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>DAY</td><td>Valid to the nearest day</td><td></td></tr> <tr> <td>MONTH</td><td>Valid to the nearest month</td><td></td></tr> <tr> <td>YEAR</td><td>Valid to the nearest year</td><td></td></tr> <tr> <td>EST</td><td>Only an estimate</td><td></td></tr> </table> | Code | Description | Use | DAY | Valid to the nearest day |  | MONTH | Valid to the nearest month |  | YEAR | Valid to the nearest year |  | EST | Only an estimate |  |
| Code                                   | Description                | Use                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DAY                                    | Valid to the nearest day   |                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| MONTH                                  | Valid to the nearest month |                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| YEAR                                   | Valid to the nearest year  |                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| EST                                    | Only an estimate           |                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DISTURBANCE_DATE                       | DATE                       | The date (day, month, year) in which the disturbance activity occurred. The format is 2-digit day, 3-character month abbreviation (JAN-DEC), and 4-digit year.                                                                                                                                                                                                                                        |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| EFFECT_CODE                            | VC(3)                      | Physical disturbance effect code. This column is constrained by the codes in Nrv_physical_effects.                                                                                                                                                                                                                                                                                                    |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |

**NRV\_SETTING\_DISTURBANCES (cont.)**

| Name                 | Size   | Description                                                                                                                                                                                                                               |
|----------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EFFECT_SEVERITY      | VC(3)  | All effects have a severity from 1-100, which indicates the percent of the setting affected by an effect, except for effect codes of 12 and 22, which use only a "1" (minor, affecting growth) or a "2" (severe, survivability) severity. |
| MAPCOND_CN           | VC(34) | Foreign key to Nrv_fia_mapped_conditions.                                                                                                                                                                                                 |
| MODIFIED_BY          | VC(30) | The name of the person who modified the record.                                                                                                                                                                                           |
| MODIFIED_DATE        | DATE   | The date the record was modified.                                                                                                                                                                                                         |
| MODIFIED_IN_INSTANCE | N(6)   | The database ID where the record was modified.                                                                                                                                                                                            |
| ROW_ACCESS_CODE      | VC(6)  | Control field to support row level access.                                                                                                                                                                                                |
| SEVERITY_RATING_CODE | VC(6)  | Disturbance severity rating codes. These codes estimate the severity of a specific disturbance to the plot. This column is constrained by the codes in Nrv_severity_ratings.                                                              |

**NRV\_SETTING\_HISTORIES**

This table describes setting and plot activity history. There can be multiple history records for each setting or plot record. A record must already exist in Nrv\_setting\_measurements before entering a record in this table.

| Name                                   | Size                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
|----------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|--------------------------|--|-------|----------------------------|--|------|---------------------------|-----|-----|------------------|--|
| CN<br><i>Required</i>                  | VC(34)                     | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                                                                                                   |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| CREATED_BY<br><i>Required</i>          | VC(30)                     | The name of the person who created the record.                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| CREATED_DATE<br><i>Required</i>        | DATE                       | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                       | The database ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| HISTORY_CODE<br><i>Required</i>        | VC(6)                      | History code. These codes relate to common forest management activities. The codes came from the TIM/FACTS effort and may be changing over time. This column is constrained by the codes in Nrv_history_codes.                                                                                                                                                                                                                         |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| SETMEAS_CN<br><i>Required</i>          | VC(34)                     | Foreign key to the table Nrv_setting_measurements.                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| DATE_ACCURACY                          | VC(5)                      | Indicates the accuracy of the history date. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>DAY</td><td>Valid to the nearest day</td><td></td></tr> <tr> <td>MONTH</td><td>Valid to the nearest month</td><td></td></tr> <tr> <td>YEAR</td><td>Valid to the nearest year</td><td>CSE</td></tr> <tr> <td>EST</td><td>Only an estimate</td><td></td></tr> </tbody> </table> | Code | Description | Use | DAY | Valid to the nearest day |  | MONTH | Valid to the nearest month |  | YEAR | Valid to the nearest year | CSE | EST | Only an estimate |  |
| Code                                   | Description                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| DAY                                    | Valid to the nearest day   |                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| MONTH                                  | Valid to the nearest month |                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| YEAR                                   | Valid to the nearest year  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| EST                                    | Only an estimate           |                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)                     | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                                                   |      |             |     |     |                          |  |       |                            |  |      |                           |     |     |                  |  |

**NRV\_SETTING\_HISTORIES (cont.)**

| Name                 | Size   | Description                                                                                                                                        |
|----------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| HISTORY_DATE         | DATE   | The date (day, month, year) in which the activity occurred. The format is 2-digit day, 3-character month abbreviation (JAN-DEC), and 4-digit year. |
| MAPCOND_CN           | VC(34) | Foreign key to Nrv_mapped_conditions.                                                                                                              |
| MODIFIED_BY          | VC(30) | The name of the person who modified the record.                                                                                                    |
| MODIFIED_DATE        | DATE   | The date the record was modified.                                                                                                                  |
| MODIFIED_IN_INSTANCE | N(6)   | The database ID where the record was modified.                                                                                                     |
| ROW_ACCESS_CODE      | VC(6)  | Control field to support row level access.                                                                                                         |

**NRV\_SETTING\_MEASUREMENTS**

This table contains columns describing the setting. There should be one record per setting.

| Name                                   | Size    | Description                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34)  | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                       |
| CREATED_BY<br><i>Required</i>          | VC(30)  | The name of the person who created the record.                                                                                                                                                                                                                                                                                                             |
| CREATED_DATE<br><i>Required</i>        | DATE    | The date the record was created.                                                                                                                                                                                                                                                                                                                           |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)    | The database ID where the record was created.                                                                                                                                                                                                                                                                                                              |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)  | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                       |
| ACRES_GIS                              | N(10,2) | Total area of the setting, <b>computed by the GIS</b> . Examples: If measuring a stand, it is the size of the stand, if measuring on a grid; it is the area of the sample (cluster or plot). This is not to be confused with the area expansion factor for a plot or stratum etc. Stored in acres.                                                         |
| AGENCY                                 | VC(4)   | Governing agency. This column is constrained by the codes in Nrv_owner_agency_codes.                                                                                                                                                                                                                                                                       |
| AIRPH_CN                               | VC(34)  | Foreign key to Nrv_aerial_photos. This will identify the aerial photo associated with this setting.                                                                                                                                                                                                                                                        |
| ARCHIVE_DATE                           | DATE    | The date the record was archived                                                                                                                                                                                                                                                                                                                           |
| ARCHIVE_FLAG                           | VC(1)   | Flag to indicate that this setting measurement record does not represent the current status of the vegetation. The setting vegetation has been altered by an event such as fire or harvest. This flag is also used when the setting measurement record has been replaced with a more recently obtained record.<br><br>Y = Yes, this is an archived record. |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                    | Size        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |          |  |   |           |  |   |            |  |
|-------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|----------|--|---|-----------|--|---|------------|--|
| ASPECT                  | N(3)        | General direction of downslope, in degrees azimuth, which the setting faces.<br>0 = flat<br>360 = north<br>999 = Indeterminate, undulating, or no predominant slope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |          |  |   |           |  |   |            |  |
| AZIMUTH                 | N(3)        | The direction, going clockwise from due North, to some object. Valid values are from 0 (due North) to 360 where 180 is due south. This column was added to support FIA data during analysis of FIA datasets. It is unclear how this will be used in the future.                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |           |  |   |            |  |
| AZIMUTH_TO_PLOT_CENTER  | N(3)        | The azimuth from the location where coordinates were collected to actual plot center. If coordinates are collected at plot center, record 000. Valid values are 000 to 360.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |          |  |   |           |  |   |            |  |
| BUFFER_FLAG             | VC(1)       | Flag to indicate if there is a buffer of similar condition and treatment around the plot.<br><br>Y = Yes, there is a buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |          |  |   |           |  |   |            |  |
| BUFFER_WIDTH            | N(6,2)      | Average width of the buffer of similar condition and treatment around the plot. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |           |  |   |            |  |
| CANOPY_CLOSURE          | N(3)        | Amount of the setting covered by the crowns of trees. Stored in percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |          |  |   |           |  |   |            |  |
| CANOPY_CLOSURE_METHOD   | VC(2)       | Method used to determine canopy closure.<br><table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                       | Code | Description | Use | M | Measured |  | E | Estimated |  | C | Calculated |  |
| Code                    | Description | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |          |  |   |           |  |   |            |  |
| M                       | Measured    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |           |  |   |            |  |
| E                       | Estimated   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |           |  |   |            |  |
| C                       | Calculated  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |          |  |   |           |  |   |            |  |
| CAPABLE_GROW_AREA_PCT   | N(3)        | The area capable of growing trees. Stored in percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |          |  |   |           |  |   |            |  |
| COLLECTOR_VERSION       | VC(15)      | The version of the PDR software used to collect the data.<br><br>The PNW Regional data will store the DATA_RECORDER_NUMBER in this field. This field will only be populated at the parent record of the setting not the child record. PNW manual version # will start with 1.0.0 at the beginning of the field season. If minor modifications to the data recorder program are made in response to changes in field procedures or programming requirements, the z field will be changed to z+1. If more significant changes are made, the y field will be changed to y+1. The first field (x) will be changed only in the event of a major modification to the program. |      |             |     |   |          |  |   |           |  |   |            |  |
| COMPARTMENT_NO          | VC(10)      | Division of forest for purposes of orientation, administration, and silvicultural operations. It is defined by permanent boundaries, of natural features or artificially marked. This field is only populated for legacy data. For stand exam data use the location field.                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |          |  |   |           |  |   |            |  |
| CONDITION_STATUS_CHANGE | VC(1)       | RMRS Condition Class VARIABLE. See RMRS Field manual for a definition of the four valid codes: 1, 2, 3, and 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |          |  |   |           |  |   |            |  |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                   | Size                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
|------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|--------------------------|-----|-------|----------------------------|--|------|---------------------------|--|-----|------------------|--|
| CONSEC_PT_NUM          | VC(8)                      | For FIA use. Each FIA plot has a unique point number to locate the plot on a quad map. The combination of state, plot, and point number uniquely identifies a plot and its location within a state.                                                                                                                                                                                                                                              |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| COUNTY                 | VC(3)                      | Numeric County code where the setting is located.                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| CYCLE_LENGTH           | N(2)                       | Cycle length. The number of years needed to complete all five panels. The 1998 Farm Bill contained an unfunded mandate that annual inventories be conducted with a completion of the five panels in 5 years. Due to limited funding the cycle length often exceeds five years, especially in the west and Alaska.                                                                                                                                |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| CYCLE_PREVIOUS         | N(2)                       | Previous inventory cycle number. Identifies the most recent prior cycle number.                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| CYCLE_NUMBER           | N(2)                       | FIADB Survey Table variable. Inventory cycle number. For example, a 4 shows the data came from the fourth inventory of that State. A cycle number greater than 1 does not necessarily mean that information for previous cycles resides in the database.                                                                                                                                                                                         |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_1            | VC(16)                     | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_1_DEFINITION | VC(160)                    | Define the value stored in data_code_1.                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_2            | VC(16)                     | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_2_DEFINITION | VC(160)                    | Define the value stored in data_code_2.                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_3            | VC(16)                     | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_3_DEFINITION | VC(160)                    | Define the value stored in data_code_3.                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_4            | VC(16)                     | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                        |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_4_DEFINITION | VC(160)                    | Define the value stored in the data_code_4.                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_NUM_1             | N(7,2)                     | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_NUM_1_DEFINITION  | VC(160)                    | Define the value stored in the data_num_1.                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_NUM_2             | N(7,2)                     | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATA_NUM_2_DEFINITION  | VC(160)                    | Define the value stored in the data_num_2.                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DATE_ACCURACY          | VC(5)                      | Record the accuracy of the value in measurement_date. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>DAY</td><td>Valid to the nearest day</td><td>CSE</td></tr> <tr> <td>MONTH</td><td>Valid to the nearest month</td><td></td></tr> <tr> <td>YEAR</td><td>Valid to the nearest year</td><td></td></tr> <tr> <td>EST</td><td>Only an estimate</td><td></td></tr> </tbody> </table> | Code | Description | Use | DAY | Valid to the nearest day | CSE | MONTH | Valid to the nearest month |  | YEAR | Valid to the nearest year |  | EST | Only an estimate |  |
| Code                   | Description                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| DAY                    | Valid to the nearest day   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| MONTH                  | Valid to the nearest month |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| YEAR                   | Valid to the nearest year  |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |
| EST                    | Only an estimate           |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                          |     |       |                            |  |      |                           |  |     |                  |  |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                    | Size   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DECLINATION             | N(5,1) | The azimuth correction used to adjust magnetic north to true north. All azimuths are assumed to be magnetic azimuths unless otherwise designated. This field is used only where units are adjusting azimuths to correspond to true north; for units using magnetic azimuths, this field will always be set to "0" in the office. This field carries a decimal place because the USGS corrections are provided to the nearest half-degree. Declination is defined as True North - Magnetic North.                                                                                                                                                                                                                                                                                                                                                                                             |
| DISTANCE_TO_PLOT_CENTER | N(4)   | The horizontal distance, in feet, from the location where the coordinates were collected to the actual plot center. If coordinates are collected at plot center, the value is 000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DISTRICT_NO             | VC(2)  | Ranger district number of the administrator or owner for the setting (sample location).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ECOREGION               | VC(7)  | Stores regional and sub-regional ecological units (subsections) that nest within, and refine successively larger ecological units (Bailey et. al 1995 revised) developed according to the classification scheme of the National Hierarchical Framework of Ecological Units (Avers et. Al. 1994). Subsections for the Eastern United States are documented in Keys, James E. et. al. 1995. This code includes an optional 1-character for mountain, 1-digit for domain, 1-digit for division, 1-digit for province, 1-character for section, and 1-character for subsection. For example; the code M212Bd is decoded as M = mountain, 2 = humid temperate domain, 1 = warm continental Regime Mountains division, 2 = Adirondack-New England Mixed Forest - Coniferous Forest-Alpine meadow province, B = New England Piedmont section, and d = Hillsboro Inland Hills and Plains subsection. |
| ELEVATION               | N(6,1) | Height above sea level. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ELEVATION_METHOD        | VC(2)  | How the elevation was derived.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EV_CODE                 | VC(10) | Existing vegetation code for this setting. This column is constrained by the codes in <i>Nrv_ev_cover_types</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EV_REF_CODE             | VC(10) | Document from which the <i>ev_code</i> was obtained. This column is constrained by the codes in <i>Nrv_cover_references</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| FIRE_INFO_FK            | VC(34) | Foreign key to <i>Nrv_fire_info</i> . Indicates what, if any, fire is associated with a given setting record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| FOREST_ADMIN            | VC(2)  | Administrative Forest number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| FOREST_PROC             | VC(2)  | Proclaimed Forest number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| FSVEG_ID                | VC(40) | Unique value which, once assigned, is never changed. If the exam is re-loaded via the loader program, the value on the exam is reset.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| FUEL_MODEL              | VC(3)  | Fuel model used in this setting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| FUEL_PHOTO_FK           | VC(34) | Foreign key to the <i>nrv_fuel_photos</i> table, which contains the document where the fuel photo was obtained, or the residue description photo. Column is only to be used on the plot record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                   | Size   | Description                                                                                                                                                                                                                                                                                                             |             |     |          |     |             |  |     |  |
|------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|----------|-----|-------------|--|-----|--|
| FUEL_PHOTO_REFERENCE   | VC(10) | Foreign key to the nrv_fuel_photo_ref table. Number of the fuel photo reference used. Column is only to be used on the stand record.                                                                                                                                                                                    |             |     |          |     |             |  |     |  |
| GCN                    | VC(34) | System generated key to link records in this table to polygons in a GIS map. This column will be eliminated in future versions. Use the GIS-Link column instead.                                                                                                                                                        |             |     |          |     |             |  |     |  |
| GEOGRAPHICAL_AREA      | VC(5)  | Geographical area code for locations not on a Forest Service site.                                                                                                                                                                                                                                                      |             |     |          |     |             |  |     |  |
| GEOREFERENCE_METHOD    | VC(11) | <div>The method used to determine the georeference of the setting:<table><tr><th>Description</th><th>Use</th></tr><tr><td>GEODETIC</td><td>CSE</td></tr><tr><td>STATE PLANE</td><td></td></tr><tr><td>UTM</td><td></td></tr></table></div>                                                                              | Description | Use | GEODETIC | CSE | STATE PLANE |  | UTM |  |
| Description            | Use    |                                                                                                                                                                                                                                                                                                                         |             |     |          |     |             |  |     |  |
| GEODETIC               | CSE    |                                                                                                                                                                                                                                                                                                                         |             |     |          |     |             |  |     |  |
| STATE PLANE            |        |                                                                                                                                                                                                                                                                                                                         |             |     |          |     |             |  |     |  |
| UTM                    |        |                                                                                                                                                                                                                                                                                                                         |             |     |          |     |             |  |     |  |
| GIS_LINK               | VC(26) | The identifier to link the setting to a Geographic Information System (GIS) coverage.                                                                                                                                                                                                                                   |             |     |          |     |             |  |     |  |
| HEIGHT_GROWTH_INTERVAL | N(2)   | Time period over which height growth is measured. Stored in years. Values less than 1 are not allowed.                                                                                                                                                                                                                  |             |     |          |     |             |  |     |  |
| HEX_NUMBER             | VC(7)  | The id number for each plot, unique within a county. This is the hexagon number on the plot jacket. It is a unique hex number within a state. Valid values are 1-99999.                                                                                                                                                 |             |     |          |     |             |  |     |  |
| HYDROLOGIC_UNIT_CODE   | N(12)  | PNW Regional variable. The watershed where the field grid point is located.                                                                                                                                                                                                                                             |             |     |          |     |             |  |     |  |
| I_M_FLAG               | VC(1)  | Populated on stand only. If Y this is data that will be or is measured multiple times.                                                                                                                                                                                                                                  |             |     |          |     |             |  |     |  |
| IMAGE_FLAG             | VC(1)  | <div>Flag to indicate if a set of special images (photos, landsat etc.) of this setting was taken. This does not refer to aerial photos taken on a general flight path.</div> <div>Y= Yes, a set of images was taken.</div>                                                                                             |             |     |          |     |             |  |     |  |
| INCLUSION_ACRES        | N(8,4) | The size of the area different from the prevalent condition, yet too small to qualify as a separate condition class. PNWRS attribute.                                                                                                                                                                                   |             |     |          |     |             |  |     |  |
| INCLUSION_ACRES_TYPE   | VC(2)  | <div>Type of inclusion;<br/>0 = None<br/>1 = Hardwood inclusion<br/>2 = Softwood inclusion<br/>3 = Wildlife feature<br/>4 = Water feature<br/>5 = Rocks<br/>6 = Heritage feature<br/>7 = Insect/Disease area<br/>8 = Opening<br/>9 = Other<br/>10 = Bogs and seeps<br/>NF = Non-forest inclusion. PNWRS attribute</div> |             |     |          |     |             |  |     |  |
| LATITUDE_DEG           | N(3)   | Degree portion of the angular distance, North of the equator. Stored in degrees. Only positive values, 18-71 inclusive, are allowed.                                                                                                                                                                                    |             |     |          |     |             |  |     |  |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name          | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |     |       |         |         |     |
|---------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|-------|---------|---------|-----|
| LATITUDE_GIS  | N(11,6) | Latitude of the spatial point feature class. This field is populated by FSVeg Spatial only                                                                                                                                                                                                                                                                                                                                                     |             |     |       |         |         |     |
| LATITUDE_MIN  | N(2)    | Minute portion of the angular distance, North of the equator. Stored in minutes. Only positive values, 0-59 inclusive, are allowed.                                                                                                                                                                                                                                                                                                            |             |     |       |         |         |     |
| LATITUDE_SEC  | N(4,2)  | Second portion of the angular distance, North of the equator. Stored in seconds. Only positive values, 0-59.99 inclusive, are allowed.                                                                                                                                                                                                                                                                                                         |             |     |       |         |         |     |
| LAT_LON_DATUM | VC(50)  | Reference datum of latitude and longitude. Valid values for CSE are “NAD27”, “NAD83” and “WGS84”                                                                                                                                                                                                                                                                                                                                               |             |     |       |         |         |     |
| LEVEL_1_ALIAS | VC(12)  | <div>Name given to the level_1_id by a specific sampling protocol.</div> <table><tr><th>Description</th><th>Use</th></tr><tr><td>STAND</td><td>CSE</td></tr><tr><td>CLUSTER</td><td>FIA</td></tr></table>                                                                                                                                                                                                                                      | Description | Use | STAND | CSE     | CLUSTER | FIA |
| Description   | Use     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |     |       |         |         |     |
| STAND         | CSE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |     |       |         |         |     |
| CLUSTER       | FIA     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |     |       |         |         |     |
| LEVEL_1_ID    | VC(10)  | Uniquely identify a sample unit within a setting. The sampling units may be plots, points, transects etc. A setting may have more than one level_1_id. Examples: For stand exams, this is the stand or polygon number. For grid inventories, this is the cluster plot number, although no data may be sampled on the cluster. For range and ecology plots, this is the site.                                                                   |             |     |       |         |         |     |
| LEVEL_2_ALIAS | VC(12)  | <div>Name given to the level_2_id by a specific sampling protocol.</div> <table><tr><th>Description</th><th>Use</th></tr><tr><td>PLOT</td><td>CSE/FIA</td></tr></table>                                                                                                                                                                                                                                                                        | Description | Use | PLOT  | CSE/FIA |         |     |
| Description   | Use     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |     |       |         |         |     |
| PLOT          | CSE/FIA |                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |     |       |         |         |     |
| LEVEL_2_ID    | VC(10)  | <div>Used to uniquely identify each element within a sub sample.</div> <div>For stand exams, this is the plot.</div> <div>For grid inventories, this may be the parent plot number.</div> <div>For range or ecology plots this may be transect, microplot, or macroplot, depending on the design.</div> <div><u>FIA National Core Data:</u></div> <div>1 = Center</div> <div>2 = North</div> <div>3 = Southeast</div> <div>4 = Southwest</div> |             |     |       |         |         |     |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name           | Size    | Description                                                                                                                                                                                                                                                                                                                                                           |             |     |         |  |           |  |               |     |          |     |
|----------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|---------|--|-----------|--|---------------|-----|----------|-----|
| LEVEL_3_ALIAS  | VC(12)  | <div>Name given to the level_3_id by a specific sampling protocol. Examples:<table><tr><th>Description</th><th>Use</th></tr><tr><td>SUBPLOT</td><td></td></tr><tr><td>MICROPLOT</td><td></td></tr><tr><td>FIA_MICROPLOT</td><td>FIA</td></tr><tr><td>TRANSECT</td><td>FIA</td></tr></table></div> <div>For FIA data this value is set to “FIA_Microplot.”</div>       | Description | Use | SUBPLOT |  | MICROPLOT |  | FIA_MICROPLOT | FIA | TRANSECT | FIA |
| Description    | Use     |                                                                                                                                                                                                                                                                                                                                                                       |             |     |         |  |           |  |               |     |          |     |
| SUBPLOT        |         |                                                                                                                                                                                                                                                                                                                                                                       |             |     |         |  |           |  |               |     |          |     |
| MICROPLOT      |         |                                                                                                                                                                                                                                                                                                                                                                       |             |     |         |  |           |  |               |     |          |     |
| FIA_MICROPLOT  | FIA     |                                                                                                                                                                                                                                                                                                                                                                       |             |     |         |  |           |  |               |     |          |     |
| TRANSECT       | FIA     |                                                                                                                                                                                                                                                                                                                                                                       |             |     |         |  |           |  |               |     |          |     |
| LEVEL_3_ID     | VC(10)  | Used to uniquely identify each element within a sub sample. For grid inventories, this may be the sub plot number. For range or ecology plots, this may be a microplot for one sample design. The FIA National core data seedling micro-plot number. Currently there is only 1 micro-plot per subplot.                                                                |             |     |         |  |           |  |               |     |          |     |
| LEVEL_4_ALIAS  | VC(12)  | Name given to the level_4_id by a specific sampling protocol                                                                                                                                                                                                                                                                                                          |             |     |         |  |           |  |               |     |          |     |
| LEVEL_4_ID     | VC(10)  | Used to uniquely identify each element within a sub sample. Since this level is provided for future flexibility, examples are not provided.                                                                                                                                                                                                                           |             |     |         |  |           |  |               |     |          |     |
| LEVEL_5_ALIAS  | VC(12)  | Name given to the level_5_id by a specific sampling protocol.                                                                                                                                                                                                                                                                                                         |             |     |         |  |           |  |               |     |          |     |
| LEVEL_5_ID     | VC(10)  | Uniquely identify each element within a subsample. Since this level is provided for future flexibility, examples are not provided.                                                                                                                                                                                                                                    |             |     |         |  |           |  |               |     |          |     |
| LEVEL_6_ALIAS  | VC(12)  | Name given to the level_6_id by a specific sampling protocol.                                                                                                                                                                                                                                                                                                         |             |     |         |  |           |  |               |     |          |     |
| LEVEL_6_ID     | VC(10)  | Uniquely identify each element within a subsample. Since this level is provided for future flexibility, examples are not provided.                                                                                                                                                                                                                                    |             |     |         |  |           |  |               |     |          |     |
| LOADER_VERSION | VC(15)  | The version of the forms, PDR loader, or legacy data software used to load data into the database. For FIA data, the legacy Regional loaders are populated with a version number that corresponds to the date of program compilation. This field contains the loader compilation date and is populated only at the parent record of the setting not the child record. |             |     |         |  |           |  |               |     |          |     |
| LOCATION       | VC(16)  | The location of the stand within a Region, Forest, and District.                                                                                                                                                                                                                                                                                                      |             |     |         |  |           |  |               |     |          |     |
| LONGITUDE_DEG  | N(3)    | Degree portion of the angular distance East or West of the prime meridian at Greenwich, England. Stored in degrees. For CSE, these values must be positive. For all, only values, 44-172 inclusive, are allowed.                                                                                                                                                      |             |     |         |  |           |  |               |     |          |     |
| LONGITUDE_GIS  | N(11,6) | Longitude of the spatial point feature class. This field is populated by FSVeg Spatial only                                                                                                                                                                                                                                                                           |             |     |         |  |           |  |               |     |          |     |
| LONGITUDE_MIN  | N(2)    | Minute portion of the angular distance East or West of the prime meridian at Greenwich England. Stored in minutes. Only positive values (West), 0-59 inclusive, are allowed.                                                                                                                                                                                          |             |     |         |  |           |  |               |     |          |     |
| LONGITUDE_SEC  | N(4,2)  | Second portion of the angular distance East or West of the prime meridian at Greenwich England. Stored in seconds. Only positive values (West), 0-59.99 inclusive, are allowed.                                                                                                                                                                                       |             |     |         |  |           |  |               |     |          |     |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                    | Size                                                                                                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|------------------------------|--------|------------------------------------------|---|--------------------------------------|---|--------------------------------------|-----------|-------------------------------------|---|--------------------------------------------------------------------|-----|------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|---------|-----|
| MAINTENANCE_STATUS      | VC(2)                                                                                                                                                                               | <div>Indicates the maintenance status of a plot.</div> <table><tr><th>Code</th><th>Description</th><th>Use</th></tr><tr><td>A</td><td>Active</td><td></td></tr><tr><td>I</td><td>Inactive</td><td></td></tr><tr><td>D</td><td>Destroyed</td><td></td></tr><tr><td>1</td><td>Initial plot establishment - field visited or remotely classified.</td><td>FIA</td></tr><tr><td>2</td><td>Re-measurement of a previously established National design plot – field visited or remotely classified.</td><td>FIA</td></tr><tr><td>3</td><td>Replacement plot - a previously established National design plot that was replaced with a new plot because the original plot could not be relocated or because plot data were lost.</td><td>FIA</td></tr><tr><td>4</td><td>Modeled</td><td>FIA</td></tr></table>                                                                                                                                                                                     | Code | Description | Use | A                            | Active |                                          | I | Inactive                             |   | D                                    | Destroyed |                                     | 1 | Initial plot establishment - field visited or remotely classified. | FIA | 2                                  | Re-measurement of a previously established National design plot – field visited or remotely classified. | FIA                                       | 3 | Replacement plot - a previously established National design plot that was replaced with a new plot because the original plot could not be relocated or because plot data were lost. | FIA | 4 | Modeled | FIA |
| Code                    | Description                                                                                                                                                                         | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| A                       | Active                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| I                       | Inactive                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| D                       | Destroyed                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 1                       | Initial plot establishment - field visited or remotely classified.                                                                                                                  | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 2                       | Re-measurement of a previously established National design plot – field visited or remotely classified.                                                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 3                       | Replacement plot - a previously established National design plot that was replaced with a new plot because the original plot could not be relocated or because plot data were lost. | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 4                       | Modeled                                                                                                                                                                             | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| MANAGEMENT_TYPE         | N(3)                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| MANAGEMENT_PRODUCTIVITY | N(1)                                                                                                                                                                                | <div>An indicator of the mean annual increment of stand growth. It is a code representing the number of cubic feet per acre that the stand is expected to grow per year. Productivity is based on the management_type, management_type_site_index and the geographical location of the stand (i.e., mountains, flatwoods or bottomlands). Valid codes are:</div> <table><tr><th>Code</th><th>Description</th></tr><tr><td>0</td><td>None (water or non-forested)</td></tr><tr><td>1</td><td>225 or more cubic feet per acre per year</td></tr><tr><td>2</td><td>165-224 cubic feet per acre per year</td></tr><tr><td>3</td><td>120-164 cubic feet per acre per year</td></tr><tr><td>4</td><td>85-119 cubic feet per acre per year</td></tr><tr><td>5</td><td>50-84 cubic feet per acre per year</td></tr><tr><td>6</td><td>20-49 cubic feet per acre per year</td></tr><tr><td>7</td><td>Less than 20 cubic feet per acre per year</td></tr><tr><td>9</td><td>Unknown</td></tr></table> | Code | Description | 0   | None (water or non-forested) | 1      | 225 or more cubic feet per acre per year | 2 | 165-224 cubic feet per acre per year | 3 | 120-164 cubic feet per acre per year | 4         | 85-119 cubic feet per acre per year | 5 | 50-84 cubic feet per acre per year                                 | 6   | 20-49 cubic feet per acre per year | 7                                                                                                       | Less than 20 cubic feet per acre per year | 9 | Unknown                                                                                                                                                                             |     |   |         |     |
| Code                    | Description                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 0                       | None (water or non-forested)                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 1                       | 225 or more cubic feet per acre per year                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 2                       | 165-224 cubic feet per acre per year                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 3                       | 120-164 cubic feet per acre per year                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 4                       | 85-119 cubic feet per acre per year                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 5                       | 50-84 cubic feet per acre per year                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 6                       | 20-49 cubic feet per acre per year                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 7                       | Less than 20 cubic feet per acre per year                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| 9                       | Unknown                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| MEASUREMENT_DATE        | DATE                                                                                                                                                                                | The date the setting was measured. If date is not known enter the year and/or month that is known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |
| MEASUREMENT_NO          | VC(4)                                                                                                                                                                               | Sequential number to identify the measurement sequence of a re-measured setting or plot; installation, measurement 1, etc.<br>1 = Initial installation, default<br>2 = First re-measurement, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |                              |        |                                          |   |                                      |   |                                      |           |                                     |   |                                                                    |     |                                    |                                                                                                         |                                           |   |                                                                                                                                                                                     |     |   |         |     |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                     | Size                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
|--------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|--|---------------|-----|----|---------------------------------|------------|----|--------------------------------|------------|----|----------------------------|------------|----|------------------------------------|-----------|----|---------------------------------------------|---------------|----|---------------------------|-----------|
| MEASUREMENT_ORGANIZATION | VC(15)                                      | <p>Organization or person responsible for data collection.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td></td><td>Examiner name</td><td>CSE</td></tr> <tr> <td>22</td><td>Rocky Mountain Research Station</td><td>FIA - RMRS</td></tr> <tr> <td>23</td><td>North Central Research Station</td><td>FIA - NCRS</td></tr> <tr> <td>24</td><td>Northeast Research Station</td><td>FIA - NERS</td></tr> <tr> <td>26</td><td>Pacific Northwest Research Station</td><td>FIA - PNW</td></tr> <tr> <td>27</td><td>Alaska - Pacific Northwest Research Station</td><td>FIA - AKPNWRS</td></tr> <tr> <td>33</td><td>Southern Research Station</td><td>FIA - SRS</td></tr> </tbody> </table> | Code | Description | Use |  | Examiner name | CSE | 22 | Rocky Mountain Research Station | FIA - RMRS | 23 | North Central Research Station | FIA - NCRS | 24 | Northeast Research Station | FIA - NERS | 26 | Pacific Northwest Research Station | FIA - PNW | 27 | Alaska - Pacific Northwest Research Station | FIA - AKPNWRS | 33 | Southern Research Station | FIA - SRS |
| Code                     | Description                                 | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
|                          | Examiner name                               | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| 22                       | Rocky Mountain Research Station             | FIA - RMRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| 23                       | North Central Research Station              | FIA - NCRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| 24                       | Northeast Research Station                  | FIA - NERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| 26                       | Pacific Northwest Research Station          | FIA - PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| 27                       | Alaska - Pacific Northwest Research Station | FIA - AKPNWRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| 33                       | Southern Research Station                   | FIA - SRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| MEAS_STD_ID              | VC(12)                                      | Foreign key to Nrv_measurement_standards. Identifies the measurement standards used throughout the setting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| MERIDIAN_CODE            | VC(2)                                       | The principal meridian, defined as the line from which the survey of township boundaries along the parallels is initiated. This column is constrained by Nrv_principal_meridians.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| MODIFIED_BY              | VC(30)                                      | The name of the person who modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| MODIFIED_DATE            | DATE                                        | The date the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| MODIFIED_IN_INSTANCE     | N(6)                                        | The database ID where the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| NFS_LAND_CLASS           | VC(3)                                       | Current land class used for NFS data. A classification that indicates the basic land cover.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| OWNER                    | VC(4)                                       | <p>The agency that owns the land the setting is located on. This column is constrained by Nrv_owner_agency_codes.</p> <p>For FIA data this value is the owner class code that best corresponds to the ownership (or the managing agency for public lands) of the land in the condition class.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| PHYSIOGRAPHIC_CLASS      | VC(3)                                       | Foreign key to Nrv_physiographic_classes. The physiographic class of the subplot: landform, topographic position, and soil generally determine the physiographic class. More detailed definitions can be found in PNW Field Guide pg. 43-44.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| PLS_RANGE                | VC(5)                                       | Range where the setting is located. For example, 0590W is Range 59 West, and 1093E is Range 109 3/4 East.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| PLS_SECTION              | VC(2)                                       | Section where the setting is located. Valid numbers are 1-36.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| PLS_SUBDIVISION          | VC(4)                                       | Portion of a Section where the setting is located. Sections are divided in sixteen equal parts of 40 acres each. Example: NWSE indicates the SE quarter of the NW quarter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |
| PLS_TOWNSHIP             | VC(5)                                       | Township where the setting is located. For example, 1010N is Township 101 North, and 0292S is Township 29 1/2 South.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |  |               |     |    |                                 |            |    |                                |            |    |                            |            |    |                                    |           |    |                                             |               |    |                           |           |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                     | Size                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-----------------|-----|----|-----------------------|-----|----|------------------|-----|----|----------------------|-----|----|--------------------------|-----|----|--------------------------|-----|----|-----------------|-----|----|----------------|-----|----|---------------|-----|
| PREVIOUS_SETTING_ID      | VC(30)                   | If setting_id has changed, for example renumbering the setting, this column contains the previous setting ID. The value contained in the setting_id field is considered the current setting ID.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| PROJECT_NAME             | VC(25)                   | Defined by the organization. Project names or identifiers should be consistent when applied to multiple settings. This column is used to retrieve information for all plots installed under the same project or to list a particular survey type. Examples are: R3 RMSTAND, INTENSIVE, INFGRI94_1, INTERMOUNTAIN FIA, BURNT BACON CREEK, and COLUMBIA RIVER BASIN.                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| PURPOSE_CODE             | VC(4)                    | Code that represents the reason for the survey. This column is constrained by Nrv_exam_purpose_codes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| PV_CODE                  | VC(10)                   | Potential vegetation for this setting. A partial list of codes is located in Nrv_pv_cover_types, however this column is not constrained by this set of codes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| PV_REF_CODE              | VC(10)                   | Document from which the pv_code was obtained. This column is constrained by Nrv_cover_references.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| RADIAL_GROWTH_INTERVAL   | N(2)                     | Time period over which radial_growth is measured. Stored in years. Values less than 1 are not allowed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| RADIAL_GROWTH_INTERVAL_2 | N(2)                     | Time period over which radial_growth_2 is measured. Stored in years. Values less than 1 are not allowed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| RECENT_MORTALITY_YEARS   | N(2)                     | Time period defining the term "recent mortality." Stored in years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| REGION_ADMIN             | VC(2)                    | Administrative Region number.<br><table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr><td>01</td><td>Northern Region</td><td>CSE</td></tr> <tr><td>02</td><td>Rocky Mountain Region</td><td>CSE</td></tr> <tr><td>03</td><td>Southwest Region</td><td>CSE</td></tr> <tr><td>04</td><td>Intermountain Region</td><td>CSE</td></tr> <tr><td>05</td><td>Pacific Southwest Region</td><td>CSE</td></tr> <tr><td>06</td><td>Pacific Northwest Region</td><td>CSE</td></tr> <tr><td>08</td><td>Southern Region</td><td>CSE</td></tr> <tr><td>09</td><td>Eastern Region</td><td>CSE</td></tr> <tr><td>10</td><td>Alaska Region</td><td>CSE</td></tr> </tbody> </table> | Code | Description | Use | 01 | Northern Region | CSE | 02 | Rocky Mountain Region | CSE | 03 | Southwest Region | CSE | 04 | Intermountain Region | CSE | 05 | Pacific Southwest Region | CSE | 06 | Pacific Northwest Region | CSE | 08 | Southern Region | CSE | 09 | Eastern Region | CSE | 10 | Alaska Region | CSE |
| Code                     | Description              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 01                       | Northern Region          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 02                       | Rocky Mountain Region    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 03                       | Southwest Region         | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 04                       | Intermountain Region     | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 05                       | Pacific Southwest Region | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 06                       | Pacific Northwest Region | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 08                       | Southern Region          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 09                       | Eastern Region           | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 10                       | Alaska Region            | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| REGION_PROC              | VC(2)                    | Proclaimed Region number.<br><table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr><td>01</td><td>Northern Region</td><td>CSE</td></tr> <tr><td>02</td><td>Rocky Mountain Region</td><td>CSE</td></tr> <tr><td>03</td><td>Southwest Region</td><td>CSE</td></tr> <tr><td>04</td><td>Intermountain Region</td><td>CSE</td></tr> <tr><td>05</td><td>Pacific Southwest Region</td><td>CSE</td></tr> <tr><td>06</td><td>Pacific Northwest Region</td><td>CSE</td></tr> <tr><td>08</td><td>Southern Region</td><td>CSE</td></tr> <tr><td>09</td><td>Eastern Region</td><td>CSE</td></tr> <tr><td>10</td><td>Alaska Region</td><td>CSE</td></tr> </tbody> </table>     | Code | Description | Use | 01 | Northern Region | CSE | 02 | Rocky Mountain Region | CSE | 03 | Southwest Region | CSE | 04 | Intermountain Region | CSE | 05 | Pacific Southwest Region | CSE | 06 | Pacific Northwest Region | CSE | 08 | Southern Region | CSE | 09 | Eastern Region | CSE | 10 | Alaska Region | CSE |
| Code                     | Description              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 01                       | Northern Region          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 02                       | Rocky Mountain Region    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 03                       | Southwest Region         | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 04                       | Intermountain Region     | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 05                       | Pacific Southwest Region | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 06                       | Pacific Northwest Region | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 08                       | Southern Region          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 09                       | Eastern Region           | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |
| 10                       | Alaska Region            | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                 |     |    |                       |     |    |                  |     |    |                      |     |    |                          |     |    |                          |     |    |                 |     |    |                |     |    |               |     |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                 | Size                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
|----------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|------------------------------|-----|---|--------------------------------------------|-----|---|---------------------------------------------------|-----|---|---------------------------------------------------|-----|---|---------------|--|---|-----------|--|---|-------------------|--|
| REGISTRATION_CODE    | VC(4)                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| REMARKS              | VC(255)                                           | Remarks about this setting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| REMEASUREMENT_PERIOD | N(3,1)                                            | FIADB Plot Table variable The number of years between measurements of re-measured plots. This variable is set to -1 for new plots. Remeasurement period is based on the number of growing seasons between measurements. Allocation of parts of the growing season by month is different for each FIA program.                                                                                                                                                                                                                                                                           |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| RESERVE_CLASS        | VC(2)                                             | Reserved status class. Indicates if the setting is reserved from timber harvesting. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>Non-reserved</td><td>FIA</td></tr> <tr> <td>1</td><td>Reserved</td><td>FIA</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                       | Code | Description | Use | 0 | Non-reserved                 | FIA | 1 | Reserved                                   | FIA |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| Code                 | Description                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 0                    | Non-reserved                                      | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 1                    | Reserved                                          | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| ROW_ACCESS_CODE      | VC(6)                                             | Control field to support row level access.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| RPA_LAND_CLASS       | VC(2)                                             | Current land class used for RPA data. A classification to indicate basic land cover. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>Accessible forest</td><td></td></tr> <tr> <td>2</td><td>Nonforest</td><td></td></tr> <tr> <td>3</td><td>Noncensus water</td><td></td></tr> <tr> <td>4</td><td>Census water</td><td></td></tr> <tr> <td>5</td><td>Denied access</td><td></td></tr> <tr> <td>6</td><td>Hazardous</td><td></td></tr> <tr> <td>7</td><td>Not in the sample</td><td></td></tr> </tbody> </table> | Code | Description | Use | 1 | Accessible forest            |     | 2 | Nonforest                                  |     | 3 | Noncensus water                                   |     | 4 | Census water                                      |     | 5 | Denied access |  | 6 | Hazardous |  | 7 | Not in the sample |  |
| Code                 | Description                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 1                    | Accessible forest                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 2                    | Nonforest                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 3                    | Noncensus water                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 4                    | Census water                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 5                    | Denied access                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 6                    | Hazardous                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 7                    | Not in the sample                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| SAMPLE_DESIGN_TREE   | VC(1)                                             | Intensity to which the tree data was collected. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>Tree data was not collected.</td><td>CSE</td></tr> <tr> <td>1</td><td>Tree data was collected with a quick plot.</td><td>CSE</td></tr> <tr> <td>2</td><td>Tree data was collected with an extensive survey.</td><td>CSE</td></tr> <tr> <td>3</td><td>Tree data was collected with an intensive survey.</td><td>CSE</td></tr> </tbody> </table>                                                                   | Code | Description | Use | 0 | Tree data was not collected. | CSE | 1 | Tree data was collected with a quick plot. | CSE | 2 | Tree data was collected with an extensive survey. | CSE | 3 | Tree data was collected with an intensive survey. | CSE |   |               |  |   |           |  |   |                   |  |
| Code                 | Description                                       | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 0                    | Tree data was not collected.                      | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 1                    | Tree data was collected with a quick plot.        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 2                    | Tree data was collected with an extensive survey. | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |
| 3                    | Tree data was collected with an intensive survey. | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                            |     |   |                                                   |     |   |                                                   |     |   |               |  |   |           |  |   |                   |  |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name               | Size                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
|--------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------------------------------------|-----|---|--------------------------------------------------------------------|-----|---|---------------------------------------------------------|-----|---|---------------------------------------------------------|-----|
| SAMPLE_DESIGN_VEG  | VC(1)                                                              | Intensity to which the vegetation data was collected. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>Vegetation data was not collected.</td><td>CSE</td></tr> <tr> <td>1</td><td>Vegetation data was collected with a quick plot.</td><td>CSE</td></tr> <tr> <td>2</td><td>Vegetation data was collected with an extensive survey.</td><td>CSE</td></tr> <tr> <td>3</td><td>Vegetation data was collected with an intensive survey.</td><td>CSE</td></tr> </tbody> </table> | Code | Description | Use | 0 | Vegetation data was not collected.    | CSE | 1 | Vegetation data was collected with a quick plot.                   | CSE | 2 | Vegetation data was collected with an extensive survey. | CSE | 3 | Vegetation data was collected with an intensive survey. | CSE |
| Code               | Description                                                        | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 0                  | Vegetation data was not collected.                                 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 1                  | Vegetation data was collected with a quick plot.                   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 2                  | Vegetation data was collected with an extensive survey.            | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 3                  | Vegetation data was collected with an intensive survey.            | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| SAMPLE_DESIGN_DW   | VC(1)                                                              | Intensity to which the down woody data was collected. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>Down woody data was not collected.</td><td>CSE</td></tr> <tr> <td>1</td><td>Down woody data was collected using a protocol other than Brown's.</td><td>CSE</td></tr> <tr> <td>2</td><td>Down woody data was collected using Brown's protocol.</td><td>CSE</td></tr> </tbody> </table>                                                                                  | Code | Description | Use | 0 | Down woody data was not collected.    | CSE | 1 | Down woody data was collected using a protocol other than Brown's. | CSE | 2 | Down woody data was collected using Brown's protocol.   | CSE |   |                                                         |     |
| Code               | Description                                                        | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 0                  | Down woody data was not collected.                                 | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 1                  | Down woody data was collected using a protocol other than Brown's. | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 2                  | Down woody data was collected using Brown's protocol.              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| SAMPLE_DESIGN_SC   | VC(1)                                                              | Intensity to which surface cover data was collected. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>0</td><td>Surface cover data was not collected.</td><td>CSE</td></tr> <tr> <td>1</td><td>Surface cover data was collected.</td><td>CSE</td></tr> </tbody> </table>                                                                                                                                                                                                                | Code | Description | Use | 0 | Surface cover data was not collected. | CSE | 1 | Surface cover data was collected.                                  | CSE |   |                                                         |     |   |                                                         |     |
| Code               | Description                                                        | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 0                  | Surface cover data was not collected.                              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| 1                  | Surface cover data was collected.                                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| SEED_WALL_DISTANCE | N(5,1)                                                             | Distance from the setting to the boundary of an adjoining setting where there are seed-producing trees. Residual trees, remaining in the setting after the regeneration cut, are not a "seed wall," even though they may provide a seed source. Stored in feet.                                                                                                                                                                                                                                                                                     |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| SETMEAS_CN_OF      | VC(34)                                                             | Foreign key to Nrv_setting_measurements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |
| SETTING_ID         | VC(30)                                                             | Uniquely identifies the setting where the data are collected. This field may contain the following information: For stand exams - Region, Forest, District, Location, and Stand Number. For annual FIA data - State(2)//Survey Unit(2)//County(3)//Plot(5)                                                                                                                                                                                                                                                                                          |      |             |     |   |                                       |     |   |                                                                    |     |   |                                                         |     |   |                                                         |     |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name              | Size                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
|-------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|--------------------------------------------------------------|-----|----|------------------------------------------------------|-----|----|----------------------------------------------------|-----|----|----------------------------------------------------|-----|----|-----------------------------------------------------------------|-----|----|--------------------------|-----|----|------------------|-----|----|------|--|
| SETTING_ORIGIN    | VC(2)                                                           | <p>Source of vegetation on the setting. Synonymous with Stand Origin.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Natural vegetation - no evidence of artificial regeneration.</td><td></td></tr> <tr> <td>2</td><td>Evidence of artificial regeneration - less than 40%.</td><td></td></tr> <tr> <td>3</td><td>Evidence of artificial regeneration - 40% or more.</td><td></td></tr> <tr> <td>4</td><td>Harvested recently - regeneration not yet evident.</td><td></td></tr> <tr> <td>5</td><td>Evidence of artificial regeneration - percentage not estimated.</td><td></td></tr> <tr> <td>7</td><td>Forest land encroachment</td><td></td></tr> </table> | Code | Description | Use | 1  | Natural vegetation - no evidence of artificial regeneration. |     | 2  | Evidence of artificial regeneration - less than 40%. |     | 3  | Evidence of artificial regeneration - 40% or more. |     | 4  | Harvested recently - regeneration not yet evident. |     | 5  | Evidence of artificial regeneration - percentage not estimated. |     | 7  | Forest land encroachment |     |    |                  |     |    |      |  |
| Code              | Description                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| 1                 | Natural vegetation - no evidence of artificial regeneration.    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| 2                 | Evidence of artificial regeneration - less than 40%.            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| 3                 | Evidence of artificial regeneration - 40% or more.              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| 4                 | Harvested recently - regeneration not yet evident.              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| 5                 | Evidence of artificial regeneration - percentage not estimated. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| 7                 | Forest land encroachment                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| SETTING_SIZE      | N(8,4)                                                          | Total area of the setting. Examples: If measuring a stand, it is the size of the stand, if measuring on a grid; it is the area of the sample (cluster or plot). This is not to be confused with the area expansion factor for a plot or stratum etc. Stored in acres.                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| SLOPE             | N(3)                                                            | Ratio of vertical rise to horizontal distance for the setting. Stored in percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| SLOPE_POSITION    | VC(2)                                                           | <p>Primary position of a setting on a slope.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>SU</td><td>Summit</td><td>CSE</td></tr> <tr> <td>SH</td><td>Shoulder</td><td>CSE</td></tr> <tr> <td>BS</td><td>Backslope</td><td>CSE</td></tr> <tr> <td>FS</td><td>Footslope</td><td>CSE</td></tr> <tr> <td>TS</td><td>Toeslope</td><td>CSE</td></tr> <tr> <td>VB</td><td>Valley bottom</td><td>CSE</td></tr> </table>                                                                                                                                                                                                                                                        | Code | Description | Use | SU | Summit                                                       | CSE | SH | Shoulder                                             | CSE | BS | Backslope                                          | CSE | FS | Footslope                                          | CSE | TS | Toeslope                                                        | CSE | VB | Valley bottom            | CSE |    |                  |     |    |      |  |
| Code              | Description                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| SU                | Summit                                                          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| SH                | Shoulder                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| BS                | Backslope                                                       | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| FS                | Footslope                                                       | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| TS                | Toeslope                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| VB                | Valley bottom                                                   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| SLOPE_SHAPE_HORIZ | VC(2)                                                           | <p>Horizontal slope shape of the land surface.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>BR</td><td>Broken</td><td>CSE</td></tr> <tr> <td>CC</td><td>Concave</td><td>CSE</td></tr> <tr> <td>CV</td><td>Convex</td><td>CSE</td></tr> <tr> <td>LL</td><td>Linear or planar</td><td>CSE</td></tr> <tr> <td>PA</td><td>Patterned</td><td>CSE</td></tr> <tr> <td>UN</td><td>Undulating</td><td>CSE</td></tr> <tr> <td>UA</td><td>Unable to assess</td><td>CSE</td></tr> <tr> <td>FL</td><td>Flat</td><td></td></tr> </table>                                                                                                                                              | Code | Description | Use | BR | Broken                                                       | CSE | CC | Concave                                              | CSE | CV | Convex                                             | CSE | LL | Linear or planar                                   | CSE | PA | Patterned                                                       | CSE | UN | Undulating               | CSE | UA | Unable to assess | CSE | FL | Flat |  |
| Code              | Description                                                     | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| BR                | Broken                                                          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| CC                | Concave                                                         | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| CV                | Convex                                                          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| LL                | Linear or planar                                                | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| PA                | Patterned                                                       | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| UN                | Undulating                                                      | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| UA                | Unable to assess                                                | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |
| FL                | Flat                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |     |    |                                                      |     |    |                                                    |     |    |                                                    |     |    |                                                                 |     |    |                          |     |    |                  |     |    |      |  |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name             | Size                                                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|------|---------------------------------------|-----|----|----------------------------------------------------|-----|----|----------------------------------------------------------------------------------------------------------------------------------|-----|----|-------------------------------------------------------------------------------------------------------------------------------------|-----|----|---------------------------------------------------------------------|-----|----|------------|-----|----|------------------|-----|----|------|--|
| SLOPE_SHAPE_VERT | VC(2)                                                                                                                               | <p>Vertical slope shape of the land surface.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>BR</td><td>Broken</td><td>CSE</td></tr> <tr> <td>CC</td><td>Concave</td><td>CSE</td></tr> <tr> <td>CV</td><td>Convex</td><td>CSE</td></tr> <tr> <td>LL</td><td>Linear or planar</td><td>CSE</td></tr> <tr> <td>PA</td><td>Patterned</td><td>CSE</td></tr> <tr> <td>UN</td><td>Undulating</td><td>CSE</td></tr> <tr> <td>UA</td><td>Unable to assess</td><td>CSE</td></tr> <tr> <td>FL</td><td>Flat</td><td></td></tr> </table>                                                                                                                                                                                                                                    | Code | Description | Use | BR   | Broken                                | CSE | CC | Concave                                            | CSE | CV | Convex                                                                                                                           | CSE | LL | Linear or planar                                                                                                                    | CSE | PA | Patterned                                                           | CSE | UN | Undulating | CSE | UA | Unable to assess | CSE | FL | Flat |  |
| Code             | Description                                                                                                                         | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| BR               | Broken                                                                                                                              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| CC               | Concave                                                                                                                             | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| CV               | Convex                                                                                                                              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| LL               | Linear or planar                                                                                                                    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| PA               | Patterned                                                                                                                           | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| UN               | Undulating                                                                                                                          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| UA               | Unable to assess                                                                                                                    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| FL               | Flat                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| SPATIAL_LINK     | VC(1)                                                                                                                               | <p>Indicates if the setting record is linked to a spatial feature.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>Null</td><td>Default, record has never been linked</td><td>CSE</td></tr> <tr> <td>Y</td><td>Yes, there is a current linkage to a feature class</td><td>CSE</td></tr> <tr> <td>N</td><td>No, there should not be a linkage to a feature class. The use must explicitly set this value to N using the spatial client tools</td><td>CSE</td></tr> <tr> <td>H</td><td>Historical, the record is linked to a feature in a historical feature class. It is not linked to a feature in the current data set.</td><td></td></tr> <tr> <td>A</td><td>Archived, the record was never spatially linked but is now archived</td><td></td></tr> </table> | Code | Description | Use | Null | Default, record has never been linked | CSE | Y  | Yes, there is a current linkage to a feature class | CSE | N  | No, there should not be a linkage to a feature class. The use must explicitly set this value to N using the spatial client tools | CSE | H  | Historical, the record is linked to a feature in a historical feature class. It is not linked to a feature in the current data set. |     | A  | Archived, the record was never spatially linked but is now archived |     |    |            |     |    |                  |     |    |      |  |
| Code             | Description                                                                                                                         | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| Null             | Default, record has never been linked                                                                                               | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| Y                | Yes, there is a current linkage to a feature class                                                                                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| N                | No, there should not be a linkage to a feature class. The use must explicitly set this value to N using the spatial client tools    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| H                | Historical, the record is linked to a feature in a historical feature class. It is not linked to a feature in the current data set. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |
| A                | Archived, the record was never spatially linked but is now archived                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |      |                                       |     |    |                                                    |     |    |                                                                                                                                  |     |    |                                                                                                                                     |     |    |                                                                     |     |    |            |     |    |                  |     |    |      |  |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                     | Size                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
|--------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------|--|---|---------------------|--|---|-------------------|--|---|-------------------------|--|---|--------------------|--|---|------------------|--|---|-------------------------|--|---|-----------------------|--|---|--------------------|--|----|------------------|--|----|----------------------|--|----|--------------------|--|----|----------------------|--|----|-------------------------------------------|--|----|-----------------------------------|--|----|----------------------------|--|----|--------------------------------------|--|----|---------------------|--|
| STAND_CONDITION          | N(2)                                      | Stand Condition Class. The following are Region 8 codes: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr><td>1</td><td>In Regeneration</td><td></td></tr> <tr><td>2</td><td>Damaged pole timber</td><td></td></tr> <tr><td>3</td><td>Damaged sawtimber</td><td></td></tr> <tr><td>4</td><td>Forest pest infestation</td><td></td></tr> <tr><td>5</td><td>Sparse pole timber</td><td></td></tr> <tr><td>6</td><td>Sparse sawtimber</td><td></td></tr> <tr><td>7</td><td>Low quality pole timber</td><td></td></tr> <tr><td>8</td><td>Low quality sawtimber</td><td></td></tr> <tr><td>9</td><td>Mature pole timber</td><td></td></tr> <tr><td>10</td><td>Mature sawtimber</td><td></td></tr> <tr><td>11</td><td>Immature pole timber</td><td></td></tr> <tr><td>12</td><td>Immature sawtimber</td><td></td></tr> <tr><td>13</td><td>Seedling and sapling</td><td></td></tr> <tr><td>14</td><td>Adequately stocked seedlings and saplings</td><td></td></tr> <tr><td>15</td><td>Inadequately stocked / nonstocked</td><td></td></tr> <tr><td>16</td><td>Group selection management</td><td></td></tr> <tr><td>17</td><td>Individual tree selection management</td><td></td></tr> <tr><td>18</td><td>Two-aged management</td><td></td></tr> </tbody> </table> | Code | Description | Use | 1 | In Regeneration |  | 2 | Damaged pole timber |  | 3 | Damaged sawtimber |  | 4 | Forest pest infestation |  | 5 | Sparse pole timber |  | 6 | Sparse sawtimber |  | 7 | Low quality pole timber |  | 8 | Low quality sawtimber |  | 9 | Mature pole timber |  | 10 | Mature sawtimber |  | 11 | Immature pole timber |  | 12 | Immature sawtimber |  | 13 | Seedling and sapling |  | 14 | Adequately stocked seedlings and saplings |  | 15 | Inadequately stocked / nonstocked |  | 16 | Group selection management |  | 17 | Individual tree selection management |  | 18 | Two-aged management |  |
| Code                     | Description                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 1                        | In Regeneration                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 2                        | Damaged pole timber                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 3                        | Damaged sawtimber                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 4                        | Forest pest infestation                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 5                        | Sparse pole timber                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 6                        | Sparse sawtimber                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 7                        | Low quality pole timber                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 8                        | Low quality sawtimber                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 9                        | Mature pole timber                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 10                       | Mature sawtimber                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 11                       | Immature pole timber                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 12                       | Immature sawtimber                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 13                       | Seedling and sapling                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 14                       | Adequately stocked seedlings and saplings |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 15                       | Inadequately stocked / nonstocked         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 16                       | Group selection management                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 17                       | Individual tree selection management      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| 18                       | Two-aged management                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STAND_YEAR_OF_ORIGIN     | N(4)                                      | Calendar year the stand was planted or created. Use the mean age of the dominant and codominant trees in the stand to calculate the stand year of origin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STATE                    | VC(2)                                     | Alpha state code of the state where the setting is located. For example: Use "CO" for Colorado. Constrained by Nrv_states                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STATE_PLANE_DATUM        | VC(10)                                    | Method of determination for latitude and longitude.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STATE_PLANE_X            | N(12,3)                                   | The X-coordinate of the State Plane grid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STATE_PLANE_Y            | N(12,3)                                   | The Y-coordinate of the State Plane grid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STATE_PLANE_ZONE         | VC(10)                                    | The zone in which the State Plane exists.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STEM_MAPPED_FLAG         | VC(1)                                     | Flag to indicate if the setting was stem mapped.<br>Y = Yes, the setting was stem mapped.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STOCKING_FLAG            | VC(1)                                     | Flag to indicate if the setting is currently stocked.<br>Y = Yes, the setting is stocked.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STOCKING_PERCENT         | N(3)                                      | The extent to which a given stand density meets a management objective, stored in percent. Valid values are 0-999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STRATUM                  | VC(6)                                     | Current stratum definition of the setting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |
| STRATUM_EXPANSION_FACTOR | N(9,1)                                    | Value used to expand the sample information to an area basis. Stored in acres.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                 |  |   |                     |  |   |                   |  |   |                         |  |   |                    |  |   |                  |  |   |                         |  |   |                       |  |   |                    |  |    |                  |  |    |                      |  |    |                    |  |    |                      |  |    |                                           |  |    |                                   |  |    |                            |  |    |                                      |  |    |                     |  |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name              | Size                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
|-------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|--------------|-----|----|-------------|-----|----|---------------|-----|----|--------|-----|----|-----------------------|-----|
| STRUCTURE         | VC(2)                 | <p>Description of the distribution of tree size classes within the setting.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>SS</td><td>Single-story</td><td>CSE</td></tr> <tr> <td>TS</td><td>Two-storied</td><td>CSE</td></tr> <tr> <td>MS</td><td>Multi-storied</td><td>CSE</td></tr> <tr> <td>MO</td><td>Mosaic</td><td>CSE</td></tr> <tr> <td>UA</td><td>Unknown/un-assessable</td><td>CSE</td></tr> </table>                                                                         | Code | Description | Use | SS | Single-story | CSE | TS | Two-storied | CSE | MS | Multi-storied | CSE | MO | Mosaic | CSE | UA | Unknown/un-assessable | CSE |
| Code              | Description           | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| SS                | Single-story          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| TS                | Two-storied           | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| MS                | Multi-storied         | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| MO                | Mosaic                | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| UA                | Unknown/un-assessable | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| SUBCOMPARTMENT_NO | VC(10)                | Subdivision of compartment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| SUBCYCLE_NUMBER   | N(2)                  | FIADB Survey Table variable. Inventory subcycle number. For an annual inventory that takes n years to measure all plots, subcycle shows in which of the n years of the cycle the data were measured. Subcycle is 0 for a periodic inventory.                                                                                                                                                                                                                                                                           |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| SUBCYCLE_PREVIOUS | N(2)                  | Previous inventory subcycle number. Identifies the most recent prior subcycle number.                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| SUBGROUP_CODE     | VC(4)                 | Subgroup the plots within the setting into different conditions within a setting.                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| SUMMARY_MSN_FLAG  | VC(1)                 | <p>A flag to indicate whether or not the data set for this parent setting is suitable for use in the FSveg summary process or for use in Most Similar Neighbor processing.</p> <p>Y" = data is suitable<br/>Null = data is not suitable or status unknown</p>                                                                                                                                                                                                                                                          |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |
| SURVEY_UNIT       | VC(2)                 | <p>Forest Inventory and Analysis survey unit identification number. Survey units are usually groups of Counties within each State. This code is used primarily for reporting purposes.</p> <p>For FIA data, Survey Unit Codes and Names are found in Appendix C of Miles, et. al. 2001. The forest inventory and analysis database: database description and users manual version 1.0. Gen. Tech. Rep. NC-218 St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station, 130 p.</p> |      |             |     |    |              |     |    |             |     |    |               |     |    |        |     |    |                       |     |

**NRV\_SETTING\_MEASUREMENTS (cont.)**

| Name                    | Size                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
|-------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|------------------------------|-----|---|------------------------------------------|-----|---|--------------------------------------------------|-----|---|-----------------------|-----|---|------------------------|-----|---|-----------------------|-----|---|---------------------------------------|-----|---|----------------------------|-----|---|----------------------------------------|-----|---|-------------------|-----|
| TOPOGRAPHIC_POSITION    | VC(2)                                            | <p>PNW Regional variable. The topographic position for each subplot.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>Other – described in remarks</td><td>PNW</td></tr> <tr> <td>1</td><td>Ridge top or mountain peak over 130 feet</td><td>PNW</td></tr> <tr> <td>2</td><td>Narrow ridge top or peak less than 130 feet wide</td><td>PNW</td></tr> <tr> <td>3</td><td>Sidehill -- upper 1/3</td><td>PNW</td></tr> <tr> <td>4</td><td>Sidehill -- middle 1/3</td><td>PNW</td></tr> <tr> <td>5</td><td>Sidehill -- lower 1/3</td><td>PNW</td></tr> <tr> <td>6</td><td>Canyon bottom less than 660 feet wide</td><td>PNW</td></tr> <tr> <td>7</td><td>Bench, terrace or dry flat</td><td>PNW</td></tr> <tr> <td>8</td><td>Broad alluvial flat over 660 feet wide</td><td>PNW</td></tr> <tr> <td>9</td><td>Swamp or wet flat</td><td>PNW</td></tr> </table> | Code | Description | Use | 0 | Other – described in remarks | PNW | 1 | Ridge top or mountain peak over 130 feet | PNW | 2 | Narrow ridge top or peak less than 130 feet wide | PNW | 3 | Sidehill -- upper 1/3 | PNW | 4 | Sidehill -- middle 1/3 | PNW | 5 | Sidehill -- lower 1/3 | PNW | 6 | Canyon bottom less than 660 feet wide | PNW | 7 | Bench, terrace or dry flat | PNW | 8 | Broad alluvial flat over 660 feet wide | PNW | 9 | Swamp or wet flat | PNW |
| Code                    | Description                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 0                       | Other – described in remarks                     | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 1                       | Ridge top or mountain peak over 130 feet         | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 2                       | Narrow ridge top or peak less than 130 feet wide | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 3                       | Sidehill -- upper 1/3                            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 4                       | Sidehill -- middle 1/3                           | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 5                       | Sidehill -- lower 1/3                            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 6                       | Canyon bottom less than 660 feet wide            | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 7                       | Bench, terrace or dry flat                       | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 8                       | Broad alluvial flat over 660 feet wide           | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| 9                       | Swamp or wet flat                                | PNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| TRANSECT_AZIMUTH        | N(3)                                             | The azimuth direction of the transect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| UTM_DATUM               | V(10)                                            | Method of determination for recording UTM coordinates. FIA plots use the NAD83 datum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| UTM_EASTING             | VC(6)                                            | Easting, for the southwest corner of the UTM grid cell encompassing the setting. Stored in meters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| UTM_ERROR               | N(5)                                             | Stored in feet (+/-).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| UTM_NORTHING            | VC(7)                                            | Northing, for the southwest corner of the UTM grid cell encompassing the setting. Stored in meters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| UTM_ZONE                | N(2)                                             | UTM zone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| UTM_ZONE_DESIGNATOR     | VC(1)                                            | For FIA data, to designate which UTM zone is being used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |
| YEAR_SETTING_ID_CHANGED | N(4)                                             | Calendar year the setting ID changed from the previous setting ID to the current setting ID. Must be greater than 1799.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                              |     |   |                                          |     |   |                                                  |     |   |                       |     |   |                        |     |   |                       |     |   |                                       |     |   |                            |     |   |                                        |     |   |                   |     |

**NRV\_SITE\_INDEXES**

This table describes site index information. Site index is an indicator of site quality expressed as the height of a tree at a specified index or base age. There can be multiple site index entries for each setting record – one entry per species. A record must already exist in Nrv\_setting\_measurements before entering a record in this table.

| Name                            | Size   | Description                                                                          |
|---------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>           | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| CREATED_BY<br><i>Required</i>   | VC(30) | The name of the person who created the record.                                       |
| CREATED_DATE<br><i>Required</i> | DATE   | The date the record was created.                                                     |

**NRV\_SITE\_INDEXES (cont.)**

| Name                                   | Size                                                               | Description                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |           |  |   |                                                                    |  |
|----------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------|--|---|--------------------------------------------------------------------|--|
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                                                               | The database ID where the record was created.                                                                                                                                                                                                                                                                                                        |      |             |     |   |           |  |   |                                                                    |  |
| REFERENCE_NO<br><i>Required</i>        | VC(3)                                                              | Document from which the site index was obtained. This column is constrained by Nrv_site_index_ref_codes. Reference_no and site_species reference a record in that table. This record contains information on source, author, base age, species, and applicable geographic region of the site index equations or curves used to determine site index. |      |             |     |   |           |  |   |                                                                    |  |
| SETMEAS_CN<br><i>Required</i>          | VC(34)                                                             | Foreign key to Nrv_setting_measurements.                                                                                                                                                                                                                                                                                                             |      |             |     |   |           |  |   |                                                                    |  |
| SITE_INDEX<br><i>Required</i>          | N(4,1)                                                             | Numeric indicator of site quality expressed as the total height attained by vigorous and free-growing trees of a specified species at a specified age (i.e. the base age).                                                                                                                                                                           |      |             |     |   |           |  |   |                                                                    |  |
| SITE_SPECIES<br><i>Required</i>        | VC(8)                                                              | Scientific abbreviation of the site index species. This column is constrained by Nrv_site_index_ref_codes.                                                                                                                                                                                                                                           |      |             |     |   |           |  |   |                                                                    |  |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)                                                             | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                 |      |             |     |   |           |  |   |                                                                    |  |
| MANAGEMENT_TYPE_FLAG                   | VC(1)                                                              | This is the site index for the R8 management type                                                                                                                                                                                                                                                                                                    |      |             |     |   |           |  |   |                                                                    |  |
| MAPCOND_CN                             | VC(34)                                                             | Foreign key to Nrv_mapped_conditions.                                                                                                                                                                                                                                                                                                                |      |             |     |   |           |  |   |                                                                    |  |
| MODIFIED_BY                            | VC(30)                                                             | The name of the person who modified the record.                                                                                                                                                                                                                                                                                                      |      |             |     |   |           |  |   |                                                                    |  |
| MODIFIED_DATE                          | DATE                                                               | The date the record was modified.                                                                                                                                                                                                                                                                                                                    |      |             |     |   |           |  |   |                                                                    |  |
| MODIFIED_IN_INSTANCE                   | N(6)                                                               | The database ID where the record was modified.                                                                                                                                                                                                                                                                                                       |      |             |     |   |           |  |   |                                                                    |  |
| PRIMARY_SITE_INDEX_FLAG                | VC(1)                                                              | Flag to indicate if this site index is the primary site index for the setting when more than one site index record is entered for a setting.<br>Y = yes, this is the primary site index                                                                                                                                                              |      |             |     |   |           |  |   |                                                                    |  |
| ROW_ACCESS_CODE                        | VC(6)                                                              | Control field to support row level access.                                                                                                                                                                                                                                                                                                           |      |             |     |   |           |  |   |                                                                    |  |
| SITE_INDEX_METHOD                      | VC(2)                                                              | Method used to determine site index. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated (used Site index formulas based on measured tree data).</td><td></td></tr> </tbody> </table>                                  | Code | Description | Use | E | Estimated |  | C | Calculated (used Site index formulas based on measured tree data). |  |
| Code                                   | Description                                                        | Use                                                                                                                                                                                                                                                                                                                                                  |      |             |     |   |           |  |   |                                                                    |  |
| E                                      | Estimated                                                          |                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |           |  |   |                                                                    |  |
| C                                      | Calculated (used Site index formulas based on measured tree data). |                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |           |  |   |                                                                    |  |

## NRV\_SUBSAMPLE\_INFO

This table describes multiple fuels/cover transect protocols, e.g. PNW and P3 down woody debris and fuels protocol, and the PNW Ground Cover on NFS Lands (pg. 221-225) protocol.

| Name                                   | Size   | Description                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                                                                                                                                                                                   |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                                                                                                                                                                                         |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                                                                                                                                                                                       |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database server ID where the record was created.                                                                                                                                                                                                                                                                                                                   |
| SELCRIT_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_selection_criteria                                                                                                                                                                                                                                                                                                                                  |
| SETMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_setting_measurements.                                                                                                                                                                                                                                                                                                                               |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                   |
| DISTANCE_BEGINNING                     | N(6,3) | The beginning and ending distance refer to the distance along the transect line where the transect intersects the boundary with the adjacent condition class nearer to the subplot center and where the transect exits the condition class segment being delineated and intersects the boundary with a different condition class further away from the subplot center. |
| DISTANCE_ENDING                        | N(6,3) | The beginning and ending distance refer to the distance along the transect line where the transect intersects the boundary with the adjacent condition class nearer to the subplot center and where the transect exits the condition class segment being delineated and intersects the boundary with a different condition class further away from the subplot center. |
| DISTANCE_HORIZONTAL                    | N(6,3) | Horizontal distance measured between distance_beginning and distance_ending. If the sample design protocol specifies measurements in horizontal distances, this value will match distance_ending minus distance_beginning.                                                                                                                                             |
| MAPCOND_CN                             | VC(34) | Foreign key to Nrv_fia_mapped_conditions                                                                                                                                                                                                                                                                                                                               |
| MODIFIED_BY                            | VC(30) | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                   |
| MODIFIED_DATE                          | DATE   | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                 |
| MODIFIED_IN_INSTANCE                   | N(6)   | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                             |
| SLOPE_DISTANCE                         | N(6,3) | Distance measured along the slope between distance_beginning and distance_ending. If the sample design protocol specifies measurements in slope distances, this value will match distance_ending minus distance_beginning                                                                                                                                              |

**NRV\_SUBSAMPLE\_INFO (cont.)**

| Name          | Size                                   | Description                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                  |     |   |                                        |     |   |                                   |  |
|---------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|----------------------------------|-----|---|----------------------------------------|-----|---|-----------------------------------|--|
| SLOPE_PERCENT | N(3)                                   | The percent of the slope along the transect                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                  |     |   |                                        |     |   |                                   |  |
| SUBSAMPLE_ID  | VC(2)                                  | Unique number identifying the subsample                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                                  |     |   |                                        |     |   |                                   |  |
| TRAMPLING     | N(3)                                   | This variable is a P3 vegetation diversity and structure variable. <table border="1"> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Low (0-10% of quadrant trampled)</td><td>FIA</td></tr> <tr> <td>2</td><td>Moderate (10-50% of quadrant trampled)</td><td>FIA</td></tr> <tr> <td>3</td><td>Heavy (&gt;50% of quadrant trampled)</td><td></td></tr> </table> | Code | Description | Use | 1 | Low (0-10% of quadrant trampled) | FIA | 2 | Moderate (10-50% of quadrant trampled) | FIA | 3 | Heavy (>50% of quadrant trampled) |  |
| Code          | Description                            | Use                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                  |     |   |                                        |     |   |                                   |  |
| 1             | Low (0-10% of quadrant trampled)       | FIA                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                  |     |   |                                        |     |   |                                   |  |
| 2             | Moderate (10-50% of quadrant trampled) | FIA                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                  |     |   |                                        |     |   |                                   |  |
| 3             | Heavy (>50% of quadrant trampled)      |                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                  |     |   |                                        |     |   |                                   |  |

**NRV\_TREE\_DISTURBANCES**

This table describes the disturbance agent, severity, and location on a tree. There can be multiple tree disturbance records for each tree record. A record must already exist in Nrv\_tree\_measurements before entering a record in this table.

| Name                                   | Size   | Description                                                                                                                                                                                          |
|----------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table.                                                                                                                 |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                                                                                                                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                                                                                                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database ID where the record was created.                                                                                                                                                        |
| TREMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_tree_measurements.                                                                                                                                                                |
| VPDUNIT_ID<br><i>Required</i>          | VC(10) | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data. |
| AGENT_CODE                             | VC(3)  | Disturbance agent code. Example: the southern pine beetle is code "003" under category 11, and the looper is code "003" under category 12. This column is constrained by Nrv_disturbance_agents.     |
| CATEGORY_CODE                          | VC(2)  | Disturbance category code. Example: root disease is category "21." This column is constrained by Nrv_disturbance_categories.                                                                         |
| DATA_CODE_1                            | VC(10) | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                            |
| DATA_CODE_1_DEFINITION                 | VC(50) | Define the value stored in data_code_1.                                                                                                                                                              |

**NRV\_TREE\_DISTURBANCES (cont.)**

| Name                   | Size                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
|------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|--------------------------|--|-------|----------------------------|--|------|---------------------------|--|-----|------------------|--|
| DATA_CODE_2            | VC(10)                     | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                    |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_2_DEFINITION | VC(50)                     | Define the value stored in data_code_2.                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_3            | VC(10)                     | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                    |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DATA_CODE_3_DEFINITION | VC(50)                     | Define the value stored in data_code_3.                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DATE_ACCURACY          | VC(5)                      | Record the accuracy of the value in measurement_date <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>DAY</td><td>Valid to the nearest day</td><td></td></tr> <tr> <td>MONTH</td><td>Valid to the nearest month</td><td></td></tr> <tr> <td>YEAR</td><td>Valid to the nearest year</td><td></td></tr> <tr> <td>EST</td><td>Only an estimate</td><td></td></tr> </tbody> </table> | Code | Description | Use | DAY | Valid to the nearest day |  | MONTH | Valid to the nearest month |  | YEAR | Valid to the nearest year |  | EST | Only an estimate |  |
| Code                   | Description                | Use                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DAY                    | Valid to the nearest day   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| MONTH                  | Valid to the nearest month |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| YEAR                   | Valid to the nearest year  |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| EST                    | Only an estimate           |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| DISTURBANCE_DATE       | DATE                       | The date the tree was disturbed. If date is not known enter the year and/or month that is known.                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| EFFECT_CODE            | VC(3)                      | The effect of damage on a tree. This column is constrained by Nrv_physical_effects.                                                                                                                                                                                                                                                                                                                                                          |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| EFFECT_SEVERITY        | VC(3)                      | All effects have a severity from 1-100 indicating the percent of the setting affected by an effect, except for effect codes of 12 and 22, which only use a "1" (minor, affecting growth) or a "2" (severe, survivability) severity.                                                                                                                                                                                                          |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| MODIFIED_BY            | VC(30)                     | The name of the person who modified the record.                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| MODIFIED_DATE          | DATE                       | The date the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| MODIFIED_IN_INSTANCE   | N(6)                       | The database ID where the record was modified.                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| ROW_ACCESS_CODE        | VC(6)                      | Control field to support row level access.                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| SEVERITY_RATING_CODE   | VC(6)                      | Severity of the disturbance to the tree. This column is constrained by Nrv_severity_ratings.                                                                                                                                                                                                                                                                                                                                                 |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |
| TREE_PART_CODE         | VC(2)                      | Foreign key to Nrv_tree_part_codes                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |     |                          |  |       |                            |  |      |                           |  |     |                  |  |

**NRV\_TREE\_EXPANSION\_FACTORS**

This table contains columns containing tree volume, growth, removal, and mortality for use in stratum level estimates.

| Name                            | Size   | Description                                                                          |
|---------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>           | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| CREATED_BY<br><i>Required</i>   | VC(30) | The name of the person who created the record.                                       |
| CREATED_DATE<br><i>Required</i> | DATE   | The date the record was created.                                                     |

**NRV\_TREE\_EXPANSION\_FACTORS (cont.)**

| Name                                   | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)    | The database server ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TREMEAS_CN<br><i>Required</i>          | VC(34)  | Foreign key to Nrv_tree_measurements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)  | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                                                                                                                                                                                                                  |
| BOLEHT                                 | N(2)    | Bole length (height). The length of a tree, recorded to a 4-inch top, where at least one 4-foot section is present.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CULLBF                                 | N(3)    | Board-foot cull. The proportion of the gross board-foot volume that is in cull due to rot or form.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CULLBFSND                              | N(3)    | Board-foot-cull soundness. The proportion of the board-foot cull that is sound (due to form).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CULLCFSND                              | N(3)    | Cubic-foot-cull soundness. The proportion of the cubic-foot cull that is sound (due to form).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CULLCF                                 | N(3)    | Cubic-foot cull. The proportion of the gross cubic-foot volume that is in cull due to rot or form.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CULLDEAD                               | N(3)    | Dead cull. The proportion of the gross cubic-foot volume that is in dead cull.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CULLFLD                                | N(2)    | Rotten/missing cull. The percent rotten or missing cubic-foot cull for all live tally trees > 5.0 in DBH/DRC (CORE) and all standing dead tally trees > 5.0 in DBH/DRC (CORE OPTIONAL). The percentage of rotten and missing cubic-foot volume, to the nearest 1 percent. When estimating volume loss (tree cull), only consider the cull on the merchantable bole/portion of the tree, from a 1-ft stump to a 4-inch top. Do not include any cull estimate above actual length. For western woodland species, the merchantable portion is between the point of DRC measurement to a 1.5-inch DOB top |
| CULLFORM                               | N(3)    | Form cull. The proportion of the gross cubic-foot volume that is in form defect cull                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CULLMSTOP                              | N(3)    | Missing top cull. The proportion of the gross cubic-foot volume that is in cull due to a missing top.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CULLROUGH                              | N(2)    | Rough cull. Percentage of sound dead cull, as a percent of the merchantable bole/portion of the tree. (CORE OPTIONAL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DIACALC                                | N(5,2)  | Current diameter (calculated), in inches. If the diameter is unmeasurable (i.e. the tree is cut or dead), the diameter is calculated. DIA for cut and dead trees presents problems associated with uncertainty of when the tree was cut or died as well as structural deterioration of dead trees. Consult individual units for explanations of how DIA is collected for dead and cut trees.                                                                                                                                                                                                          |
| DRYBIOM                                | N(13,6) | Merchantable stem biomass oven-dry weight for live trees. The total gross biomass (including bark) of a tree 5.0 inches DBH or larger from a 1-foot stump to a minimum 4-inch tope DOB of the central stem.                                                                                                                                                                                                                                                                                                                                                                                           |

**NRV\_TREE\_EXPANSION\_FACTORS (cont.)**

| Name      | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRYBIOT   | N(13,6) | Total gross biomass oven dry weight for live trees. The total aboveground biomass of a sample tree 1.0 inch diameter or larger, including all tops and limbs (but excluding foliage).                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| FGROWBFSL | N(11,6) | Net annual merchantable board-foot growth of a sawtimber tree on all forestland. This is the net change in board-foot volume per year of this tree (for remeasured plots $(V_2 - V_1)/(t_2 - t_1)$ ). Because this value is net growth, it may be a negative number. Negative growth values are usually due to mortality ( $V_2=0$ ) but can also occur on live trees that have a net loss in volume because of damage, rot, or other causes. To expand to a per acre value, multiply by TPAGROW.                                                                                                                             |
| FGROWCFAL | N(11,6) | Net annual sound cubic-foot growth of a live tree on all forestland. The net change in cubic-foot volume per year of this tree (for remeasured plots $(V_2 - V_1)/(t_2 - t_1)$ ). Because this value is net growth, it may be a negative number. Negative growth values are usually due to mortality ( $V_2=0$ ) but can also occur on live trees that have a net loss in volume because of damage, rot, or other causes. To expand to a per acre value, multiply by TPAGROW. GROWCFAL differs from GROWCFGS by the inclusion of form cull tree volume.                                                                       |
| FGROWCFGS | N(11,6) | Net annual merchantable cubic-foot growth of a growing-stock tree on all forestland. This is the net change in cubic-foot volume per year of this tree (for remeasured plots, $(V_2 - V_1)/(t_2 - t_1)$ ; where 1 and 2 denote the past and current measurement, respectively, V is volume, and t indicates year of measurement). Because this value is net growth, it may be a negative number. Negative growth values are usually due to mortality ( $V_2=0$ ) but can also occur on live trees that have a net loss in volume because of damage, rot, or other causes. To expand to a per acre value, multiply by TPAGROW. |
| FMORTBFSL | N(11,6) | Board-foot volume of a sawtimber tree for mortality purposes on all forestland. Represents the board-foot (International 1/4-rule) volume of a sawtimber tree at time of mortality. To obtain estimates of annual per acre mortality, multiply by TPAMORT.                                                                                                                                                                                                                                                                                                                                                                    |
| FMORTCFAL | N(11,6) | Sound cubic-foot volume of a tree for mortality purposes on all forestland. Represents the cubic-foot volume of the tree at time of mortality. To obtain estimates of annual per acre mortality, multiply by TPAMORT. MORTCFAL differs from MORTCFGS by the inclusion of form cull tree volume.                                                                                                                                                                                                                                                                                                                               |
| FMORTCFGS | N(11,6) | Cubic-foot volume of a growing-stock tree for mortality purposes on all forestland. Represents the cubic-foot volume of a growing-stock tree at time of mortality. To obtain estimates of annual per acre mortality, multiply by TPAMORT.                                                                                                                                                                                                                                                                                                                                                                                     |

**NRV\_TREE\_EXPANSION\_FACTORS (cont.)**

| Name                 | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FREMVBFSL            | N(11,6) | Board-foot volume of a sawtimber tree for removal purposes on all forestland. Represents the board-foot (International 1/4-rule) volume of the tree at time of removal. To obtain estimates of annual per acre removals, multiply by TPAREMV                                                                                                                                                                                                                                                                                                           |
| FREMVCFG             | N(11,6) | Cubic-foot volume of a growing-stock tree for removal purposes on all forestland. Represents the cubic-foot volume of the tree at time of removal. To obtain estimates of annual per acre removals, multiply by TPAREMV.                                                                                                                                                                                                                                                                                                                               |
| FREMCFAL             | N(11,6) | Sound cubic-foot volume of the tree for removal purposes on all forestland. Represents the cubic-foot volume of the tree at time of removal. To obtain estimates of annual per acre removals, multiply by TPAREMV. REMVCFAL differs from REMVCFG by the inclusion of cull tree volume.                                                                                                                                                                                                                                                                 |
| GROWBFSL             | N(13,6) | Net annual merchantable board-foot growth of sawtimber tree. This is the net change in board-foot volume per year of this tree (for re-measured plots $(V_2 - V_1)/(t_2 - t_1)$ ). Because this value is net growth, it may be a negative number.                                                                                                                                                                                                                                                                                                      |
| GROWCFAL             | N(13,6) | Net annual sound cubic-foot growth of live trees. The net change in cubic-foot volume per year of this tree (for re-measured plots $(V_2 - V_1)/(t_2 - t_1)$ ). Because this value is net growth, it may be a negative number. Negative growth values are usually due to mortality ( $V_2=0$ ) but can also occur on live trees that have a net loss in volume because of damage, rot, or other causes.                                                                                                                                                |
| GROWCFG              | N(13,6) | Net annual merchantable cubic-foot growth of growing-stock tree. This is the net change in cubic-foot volume per year of this tree (for re-measured plots, $(V_2 - V_1)/(t_2 - t_1)$ ; where 1 and 2 denote the past and current measurement, respectively, V is volume, and t indicates year of measurement). Because this value is net growth, it may be a negative number. Negative growth values are usually due to mortality ( $v_2=0$ ) but can also occur on live trees that have a net loss in volume because of damage, rot, or other causes. |
| HTCALC               | N(3)    | <b>Computed.</b> total length.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MODIFIED_BY          | VC(30)  | The name of the person who last modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MODIFIED_DATE        | DATE    | The date the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MODIFIED_IN_INSTANCE | N(6)    | The database server ID where the record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MORTBFSL             | N(13,6) | Board-foot volume of a sawtimber tree for mortality purposes. Represents the board-foot (International 1/4-rule) volume of a sawtimber tree at time of mortality.                                                                                                                                                                                                                                                                                                                                                                                      |
| MORTCFAL             | N(13,6) | Sound cubic-foot volume of a tree for mortality purposes. Represents the cubic-foot volume of the tree at time of mortality.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MORTCFG              | N(13,6) | Cubic-foot volume of a growing stock tree for mortality purposes. Represents the cubic-foot volume of a growing stock tree at time of mortality.                                                                                                                                                                                                                                                                                                                                                                                                       |

**NRV\_TREE\_EXPANSION\_FACTORS (cont.)**

| Name     | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REMBFSL  | N(13,6) | Board-foot volume of a sawtimber tree for removal purposes. Represents the board-foot (International 1/4-rule) volume of the tree at time of removal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| REMBFAL  | N(13,6) | Sound cubic-foot volume of the tree for removal purposes. Represents the cubic-foot volume of the tree at time of removal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| REMBFGS  | N(11,6) | Cubic-foot volume of a growing stock tree for removal purposes. Represents the cubic-foot volume of the tree at time of removal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SAWHT    | N(2)    | Sawlog length (height). The length of a tree, recorded to a 7" top (9" for hardwoods), where at least one 8 foot log, merchantable or not, is present. On broken-off trees, sawlog length is recorded to the point of the break.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TPACURR  | N(13,6) | Trees per acre. Current number of trees per acre that the tree represents for calculating number of trees on forestland.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TPAGROW  | N(13,6) | Growth trees per acre. Number of trees per acre that the tree represents for calculating growth on forestland.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TPAMORT  | N(13,6) | Mortality trees per acre per year. Number of trees per acre per year that the tree represents for calculating mortality on forestland.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| TPAREMV  | N(13,6) | Removals trees per acre per year. Number of trees per acre per year that the tree represents for calculating removals from forestland.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| VOLBFGRS | N(13,6) | Gross board-foot volume in the saw-log portion. This is the net volume of wood in the central stem of a sample commercial species tree of sawtimber size (9.0 inches DBH minimum for softwoods, 11.0 inches DBH minimum for hardwoods), from a 1-foot stump to a minimum top DOB, (7.0 inches for softwoods, 9.0 inches for hardwoods) or to where the central stem breaks into limbs, all of which are less than the minimum top DOB. Volume is based on International 1/4-inch rule. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4. |
| VOLBFNET | N(13,6) | Net board-foot volume in the saw-log portion. This is the net volume of wood in the central stem of a sample commercial species tree of sawtimber size (9.0 inches DBH minimum for softwoods, 11.0 inches DBH minimum for hardwoods), from a 1-foot stump to a minimum top DOB, (7.0 inches for softwoods, 9.0 inches for hardwoods) or to where the central stem breaks into limbs, all of which are less than the minimum top DOB. Volume is based on International 1/4-inch rule.                                                                                                                                                                                                                                  |

**NRV\_TREE\_EXPANSION\_FACTORS (cont.)**

| Name     | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VOLCFGRS | N(13,6) | Gross cubic-foot volume. The total volume of wood in the central stem of a sample tree 5.0 inches in diameter or larger, from a 1-foot stump to a minimum 4-inch top DOB, or to where the central stem breaks into limbs all of which are less than 4.0 inches DOB. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4. |
| VOLCFNET | N(13,6) | Net cubic-foot volume. The net volume of wood in the central stem of a sample tree 5.0 inches diameter or larger, from a 1-foot stump to a minimum 4-inch top DOB, or to where the central stem breaks into limbs all of which are less than 4.0 inches DOB.                                                                                                                                                                                                                                       |
| VOLCFSND | N(13,6) | Sound cubic-foot volume. The volume of sound wood in the central stem of a sample tree 5.0 inches diameter or larger from a 1-foot stump to a minimum 4-inch top DOB or to where the central stem breaks into limbs all of which are less than 4.0 inches DOB. Form cull, but not rotten cull is included.                                                                                                                                                                                         |
| VOLCSGRS | N(13,6) | Gross cubic-foot volume in the saw-log portion. This is the net volume of wood in the central stem of a sample commercial species tree of sawtimber size (9.0 inches DBH minimum for softwoods, 11.0 inches DBH minimum for hardwoods), from a 1-foot stump to a minimum top DOB, (7.0 inches for softwoods, 9.0 inches for hardwoods) or to where the central stem breaks into limbs, all of which are less than the minimum top DOB.                                                             |
| VOLCSNET | N(13,6) | Net cubic-foot volume in the saw-log portion. The net volume of wood in the central stem of a sample commercial species tree of sawtimber size (9.0 inches DBH minimum for softwoods, 11.0 inches DBH minimum for hardwoods), from a 1-foot stump to a minimum top DOB, (7.0 inches for softwoods, 9.0 inches for hardwoods) or to where the central stem breaks into limbs, all of which are less than the minimum top DOB.                                                                       |

**NRV\_TREE\_MEASUREMENTS**

This table describes each tree. There can be multiple tree measurement records for each setting. A record must already exist in Nrv\_setting\_measurements before entering a record in this table.

| Name                          | Size   | Description                                                                          |
|-------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>         | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| CREATED_BY<br><i>Required</i> | VC(30) | The name of the person who created the record.                                       |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                                   | Size                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
|----------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|----------------------|-----|----|-----------------------|--|----|------------------------|--|----|---------------------|-----|----|----------------------|--|----|-----------------------|--|
| CREATED_DATE<br><i>Required</i>        | DATE                   | The date the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)                   | The database ID where the record was created.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| SETMEAS_CN<br><i>Required</i>          | VC(34)                 | Foreign key to Nrv_setting_measurements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| VPDUNIT_ID<br><i>Required</i>          | VC(10)                 | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| AGE                                    | N(4)                   | Tree age at time of measurement. Stored in years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| AGE_METHOD                             | VC(2)                  | <p>Method use to determine the tree age.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>DM</td><td>Age at DBH, measured</td><td>CSE</td></tr> <tr> <td>DE</td><td>Age at DBH, estimated</td><td></td></tr> <tr> <td>DC</td><td>Age at DBH, calculated</td><td></td></tr> <tr> <td>TM</td><td>Total age, measured</td><td>CSE</td></tr> <tr> <td>TE</td><td>Total age, estimated</td><td></td></tr> <tr> <td>TC</td><td>Total age, calculated</td><td></td></tr> </tbody> </table> <p>-Age at DBH is the number of years at 4.5 feet above the forest floor on the uphill side of the tree.<br/>           -Total age is the age from germination to present. An example of measured total age is boring the plant or destructive sampling at the root collar. An example of estimated total age is measuring the age at DBH and adding an estimate of the number of years it took to reach breast height and adding that to the age at DBH.<br/>           -Whorl counts can be measured by physically counting whorls, or estimated.</p> | Code | Description | Use | DM | Age at DBH, measured | CSE | DE | Age at DBH, estimated |  | DC | Age at DBH, calculated |  | TM | Total age, measured | CSE | TE | Total age, estimated |  | TC | Total age, calculated |  |
| Code                                   | Description            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| DM                                     | Age at DBH, measured   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| DE                                     | Age at DBH, estimated  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| DC                                     | Age at DBH, calculated |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| TM                                     | Total age, measured    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| TE                                     | Total age, estimated   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| TC                                     | Total age, calculated  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| AZIMUTH                                | N(3)                   | Direction, from the North, to the tree as measured from center of plot to each tree. Stored in degrees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| BARE_TOP_PERCENT                       | N(3)                   | Total tree height barren of foliage, but not necessarily dead. Measured on trees suffering defoliation from insects, disease, etc. Stored in percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |
| BASAL_AREA_EQUIV                       | N(8,4)                 | <p>The square feet of basal area per acre represented by this tree record for the lowest-level sample element (i.e. plot, subplot, etc.) on which it was measured. Note: This value represents the expansion factor for the record. If this record represents multiple trees, this value is their total square feet of basal area per acre.</p> $basal\_area\_equivalent = 0.005454 * diameter^2 * tpa\_equiv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |     |    |                       |  |    |                        |  |    |                     |     |    |                      |  |    |                       |  |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                         | Size                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
|------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-----------------|-----|---|-------------------|-----|---|--------------|-----|---|-------------------------------------------|-----|
| CONE_SEROTINY                | VC(2)                                     | <p>The open or closed condition of the majority of a tree's viable cones. Measured on lodgepole pine and jack pine, 5.0 inches DBH and larger only. Trees are considered to have closed cones (serotinous) if more than 50 % of the cones are closed.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>0</td><td>No cones</td><td>CSE</td></tr> <tr> <td>1</td><td>Open/opening</td><td>CSE</td></tr> <tr> <td>2</td><td>Closed cones</td><td>CSE</td></tr> <tr> <td>3</td><td>Intermediate (both open and closed cones)</td><td>CSE</td></tr> </table> | Code | Description | Use | 0 | No cones        | CSE | 1 | Open/opening      | CSE | 2 | Closed cones | CSE | 3 | Intermediate (both open and closed cones) | CSE |
| Code                         | Description                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| 0                            | No cones                                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| 1                            | Open/opening                              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| 2                            | Closed cones                              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| 3                            | Intermediate (both open and closed cones) | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| CROWN_BASE_HEIGHT            | N(6,3)                                    | Vertical distance from the ground to the base of the live crown (Curtis 1983). Sometimes called height to crown. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| CROWN_BASE_HEIGHT_DEFINITION | VC(2)                                     | <p>Description of the type of crown base height measurement:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>C</td><td>Compacted crown</td><td></td></tr> <tr> <td>U</td><td>Uncompacted crown</td><td>CSE</td></tr> <tr> <td>L</td><td>Lowest limb</td><td></td></tr> </table>                                                                                                                                                                                                                                                                        | Code | Description | Use | C | Compacted crown |     | U | Uncompacted crown | CSE | L | Lowest limb  |     |   |                                           |     |
| Code                         | Description                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| C                            | Compacted crown                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| U                            | Uncompacted crown                         | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| L                            | Lowest limb                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| CROWN_BASE_HEIGHT_METHOD     | VC(2)                                     | <p>Method used to measure the height of live crown:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>M</td><td>Measured</td><td>CSE</td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </table>                                                                                                                                                                                                                                                                                                 | Code | Description | Use | M | Measured        | CSE | E | Estimated         |     | C | Calculated   |     |   |                                           |     |
| Code                         | Description                               | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| M                            | Measured                                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| E                            | Estimated                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |
| C                            | Calculated                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |   |                 |     |   |                   |     |   |              |     |   |                                           |     |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                    | Size                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
|-------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|--------------------------------------------------------------|-----|----|-----------------------------------------------------------|-----|----|--------------------------------------------------------------|-----|----|--------------------------------------------------|-----|----|------------|-----|----|---------|-----|----|--------------------|-----|----|---------------------|-----|----|----------------------------|-----|----|------------------------------------------------------------|--|----|------------|--|
| CROWN_CLASS             | VC(2)                                                        | <p>Relative position of the tree with respect to other trees or competing vegetation. Crown class for each tree is judged in the context of its immediate environment; that is, those trees which are competing for sunlight with the subject tree. This is a useful descriptor of the competitive status of trees in all structural types of stands, although crown classes were originally conceived to classify trees in even-aged or storied stands.</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>OP</td><td>Open grown, crown receives optimal sunlight above and sides.</td><td>CSE</td></tr> <tr> <td>DO</td><td>Dominant, full sunlight from above and partly from sides.</td><td>CSE</td></tr> <tr> <td>CO</td><td>Codominant, full sunlight from above, but little from sides.</td><td>CSE</td></tr> <tr> <td>IN</td><td>Intermediate, sunlight only from holes in canopy</td><td>CSE</td></tr> <tr> <td>OV</td><td>Overtopped</td><td>CSE</td></tr> <tr> <td>RE</td><td>Remnant</td><td>CSE</td></tr> <tr> <td>AB</td><td>Leader above brush</td><td>CSE</td></tr> <tr> <td>IB</td><td>Leader within brush</td><td>CSE</td></tr> <tr> <td>UB</td><td>Leader overtopped by brush</td><td>CSE</td></tr> <tr> <td>SU</td><td>Suppressed, no sunlight, below canopy in even-aged stands.</td><td></td></tr> <tr> <td>UN</td><td>Understory</td><td></td></tr> </tbody> </table> | Code | Description | Use | OP | Open grown, crown receives optimal sunlight above and sides. | CSE | DO | Dominant, full sunlight from above and partly from sides. | CSE | CO | Codominant, full sunlight from above, but little from sides. | CSE | IN | Intermediate, sunlight only from holes in canopy | CSE | OV | Overtopped | CSE | RE | Remnant | CSE | AB | Leader above brush | CSE | IB | Leader within brush | CSE | UB | Leader overtopped by brush | CSE | SU | Suppressed, no sunlight, below canopy in even-aged stands. |  | UN | Understory |  |
| Code                    | Description                                                  | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| OP                      | Open grown, crown receives optimal sunlight above and sides. | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| DO                      | Dominant, full sunlight from above and partly from sides.    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| CO                      | Codominant, full sunlight from above, but little from sides. | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| IN                      | Intermediate, sunlight only from holes in canopy             | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| OV                      | Overtopped                                                   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| RE                      | Remnant                                                      | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| AB                      | Leader above brush                                           | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| IB                      | Leader within brush                                          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| UB                      | Leader overtopped by brush                                   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| SU                      | Suppressed, no sunlight, below canopy in even-aged stands.   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| UN                      | Understory                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| CROWN_LENGTH            | N(6,3)                                                       | Vertical distance from the top leader of the tree to the base of the crown, measured to the lowest live branch-whorl with live branches in at least 3 quadrants, and continuous with the main crown. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| CROWN_LENGTH_DEFINITION | VC(2)                                                        | <p>Description of the type of crown length:</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>C</td><td>Compacted crown</td><td></td></tr> <tr> <td>U</td><td>Uncompacted crown</td><td></td></tr> <tr> <td>L</td><td>Lowest limb</td><td></td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Code | Description | Use | C  | Compacted crown                                              |     | U  | Uncompacted crown                                         |     | L  | Lowest limb                                                  |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| Code                    | Description                                                  | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| C                       | Compacted crown                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| U                       | Uncompacted crown                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| L                       | Lowest limb                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| CROWN_LENGTH_METHOD     | VC(2)                                                        | <p>Method used in measuring crown length:</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Code | Description | Use | M  | Measured                                                     |     | E  | Estimated                                                 |     | C  | Calculated                                                   |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| Code                    | Description                                                  | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| M                       | Measured                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| E                       | Estimated                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| C                       | Calculated                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |
| CROWN_LOCAL             | N(6,3)                                                       | Locally defined crown measurement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                                                              |     |    |                                                           |     |    |                                                              |     |    |                                                  |     |    |            |     |    |         |     |    |                    |     |    |                     |     |    |                            |     |    |                                                            |  |    |            |  |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                   | Size                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
|------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|------------------|--|----|--------------------|-----|----|--------------------|--|----|-------------------|--|----|---------------------|--|----|---------------------|--|----|------------------------|--|----|--------------------------|--|----|--------------------------|--|
| CROWN_LOCAL_DEFINITION | VC(2)                    | <p>Description of the type of local crown measurement:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>CR</td><td>Compacted, ratio</td><td></td></tr> <tr> <td>UR</td><td>Uncompacted, ratio</td><td></td></tr> <tr> <td>LR</td><td>Lowest limb, ratio</td><td></td></tr> <tr> <td>CL</td><td>Compacted, length</td><td></td></tr> <tr> <td>UL</td><td>Uncompacted, length</td><td></td></tr> <tr> <td>LL</td><td>Lowest limb, length</td><td></td></tr> <tr> <td>CB</td><td>Compacted, base height</td><td></td></tr> <tr> <td>UB</td><td>Uncompacted, base height</td><td></td></tr> <tr> <td>LB</td><td>Lowest limb, base height</td><td></td></tr> </table> | Code | Description | Use | CR | Compacted, ratio |  | UR | Uncompacted, ratio |     | LR | Lowest limb, ratio |  | CL | Compacted, length |  | UL | Uncompacted, length |  | LL | Lowest limb, length |  | CB | Compacted, base height |  | UB | Uncompacted, base height |  | LB | Lowest limb, base height |  |
| Code                   | Description              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| CR                     | Compacted, ratio         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| UR                     | Uncompacted, ratio       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| LR                     | Lowest limb, ratio       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| CL                     | Compacted, length        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| UL                     | Uncompacted, length      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| LL                     | Lowest limb, length      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| CB                     | Compacted, base height   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| UB                     | Uncompacted, base height |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| LB                     | Lowest limb, base height |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| CROWN_LOCAL_METHOD     | VC(2)                    | <p>Method used in the crown_local measurement:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                  | Code | Description | Use | M  | Measured         |  | E  | Estimated          |     | C  | Calculated         |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| Code                   | Description              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| M                      | Measured                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| E                      | Estimated                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| C                      | Calculated               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| CROWN_RATIO            | N(3)                     | <p>Amount of the tree bole supporting green, live, healthy foliage when compared to the total length or height. For compacted crown ratios, openings in the crown or lopsided crowns are visually adjusted by visually transferring lower branches to fill in the holes. Crowns are not compacted to form unnaturally dense crowns. Stored in percent.</p>                                                                                                                                                                                                                                                                                                                                   |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| CROWN_RATIO_DEFINITION | VC(2)                    | <p>Description of the type of crown ratio:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>C</td><td>Compacted crown</td><td></td></tr> <tr> <td>U</td><td>Uncompacted crown</td><td>CSE</td></tr> <tr> <td>L</td><td>Lowest limb</td><td></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                   | Code | Description | Use | C  | Compacted crown  |  | U  | Uncompacted crown  | CSE | L  | Lowest limb        |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| Code                   | Description              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| C                      | Compacted crown          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| U                      | Uncompacted crown        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| L                      | Lowest limb              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| CROWN_RATIO_METHOD     | VC(2)                    | <p>Method used in measuring crown ratio:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td>CSE</td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                     | Code | Description | Use | M  | Measured         |  | E  | Estimated          | CSE | C  | Calculated         |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| Code                   | Description              | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| M                      | Measured                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| E                      | Estimated                | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |
| C                      | Calculated               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                  |  |    |                    |     |    |                    |  |    |                   |  |    |                     |  |    |                     |  |    |                        |  |    |                          |  |    |                          |  |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                   | Size                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
|------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-------------------|--|----|--------------------|-----|----|---------------------|--|----|-------------------|--|----|--------------------|--|----|---------------------|--|
| CROWN_WIDTH            | N(5,2)              | Either the maximum or average of the maximum and minimum crown width of a tree. The maximum crown width is measured through the center of the tree (or geographic center if multi-stemmed). The minimum crown width is measured at a right angle to the maximum crown width. Stored in feet.                                                                                                                                                                                                                               |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| CROWN_WIDTH_METHOD     | VC(2)               | Method used in measuring crown width. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>MA</td><td>Measured, average</td><td></td></tr> <tr> <td>EA</td><td>Estimated, average</td><td>CSE</td></tr> <tr> <td>CA</td><td>Calculated, average</td><td></td></tr> <tr> <td>MM</td><td>Measured, maximum</td><td></td></tr> <tr> <td>EM</td><td>Estimated, maximum</td><td></td></tr> <tr> <td>CM</td><td>Calculated, maximum</td><td></td></tr> </tbody> </table> | Code | Description | Use | MA | Measured, average |  | EA | Estimated, average | CSE | CA | Calculated, average |  | MM | Measured, maximum |  | EM | Estimated, maximum |  | CM | Calculated, maximum |  |
| Code                   | Description         | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| MA                     | Measured, average   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| EA                     | Estimated, average  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| CA                     | Calculated, average |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| MM                     | Measured, maximum   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| EM                     | Estimated, maximum  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| CM                     | Calculated, maximum |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_CODE_1            | VC(10)              | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_CODE_1_DEFINITION | VC(160)             | Define the value in data_code_1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_CODE_2            | VC(10)              | Used to record alphanumeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_CODE_2_DEFINITION | VC(160)             | Define the value stored in data_code_2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_NUM_1             | N(7,2)              | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_NUM_1_DEFINITION  | VC(160)             | Define the value stored in data_num_1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_NUM_2             | N(7,2)              | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_NUM_2_DEFINITION  | VC(160)             | Define the value stored in data_num_2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_NUM_3             | N(7,2)              | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_NUM_3_DEFINITION  | VC(160)             | Define the value stored in data_num_3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_NUM_4             | N(7,2)              | Used to record numeric information specific to a particular Region or sample protocol. This information is not a nationally recognized data element.                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DATA_NUM_4_DEFINITION  | VC(160)             | Define the value stored in data_num_4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DEADWOOD_PERCENT       | N(3)                | Amount of deadwood in the tree canopy. Stored in percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |
| DIAMETER               | N(6,3)              | Cross sectional width of a plant measured through the center of the stem. Stored in inches.                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                   |  |    |                    |     |    |                     |  |    |                   |  |    |                    |  |    |                     |  |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                   | Size                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
|------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-------------------------------------------------|-----|----|--------------------------------------------------------|-----|---|-----------------------------------------------|-----|----|------------------------------------------------------|-----|---|--|-----|---|--|-----|---|--|-----|---|--|-----|---|--|-----|
| DIAMETER_HEIGHT        | N(6,3)                                                 | Height above ground where the diameter was measured. 4.5 feet implies a DBH (diameter breast height) measurement. 0 implies a DRC (diameter at root collar) measurement. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| DIAMETER_METHOD        | VC(2)                                                  | Method used to measure tree diameter: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td>CSE</td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>                                                                                                                                                                                                                                                                              | Code | Description | Use | M | Measured                                        | CSE | E  | Estimated                                              |     | C | Calculated                                    |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| Code                   | Description                                            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| M                      | Measured                                               | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| E                      | Estimated                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| C                      | Calculated                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| DISTANCE               | N(6,3)                                                 | Distance from center of plot to the sample tree. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| DISTANCE_METHOD        | VC(2)                                                  | Method used to measure distance from the plot center to the tree: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>C</td><td>Plot center to tree center, horizontal distance</td><td></td></tr> <tr> <td>UC</td><td>Plot center to tree center, uncorrected slope distance</td><td></td></tr> <tr> <td>F</td><td>Plot center to tree face, horizontal distance</td><td></td></tr> <tr> <td>UF</td><td>Plot center to tree face, uncorrected slope distance</td><td></td></tr> </tbody> </table>                                 | Code | Description | Use | C | Plot center to tree center, horizontal distance |     | UC | Plot center to tree center, uncorrected slope distance |     | F | Plot center to tree face, horizontal distance |     | UF | Plot center to tree face, uncorrected slope distance |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| Code                   | Description                                            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| C                      | Plot center to tree center, horizontal distance        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| UC                     | Plot center to tree center, uncorrected slope distance |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| F                      | Plot center to tree face, horizontal distance          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| UF                     | Plot center to tree face, uncorrected slope distance   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| DOWN_FLAG              | VC(1)                                                  | Flag to indicate that a tree is on the ground:<br><br>Y = yes, the tree is down, not freestanding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| FIRST_TREATMENT_OPTION | VC(2)                                                  | Silvicultural treatment option. Valid codes are 1-9. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>1</td><td>This tree is to be cut.</td><td>CSE</td></tr> <tr> <td>2</td><td></td><td>CSE</td></tr> <tr> <td>3</td><td></td><td>CSE</td></tr> <tr> <td>4</td><td></td><td>CSE</td></tr> <tr> <td>5</td><td></td><td>CSE</td></tr> <tr> <td>6</td><td></td><td>CSE</td></tr> <tr> <td>7</td><td></td><td>CSE</td></tr> <tr> <td>8</td><td></td><td>CSE</td></tr> <tr> <td>9</td><td></td><td>CSE</td></tr> </tbody> </table> | Code | Description | Use | 1 | This tree is to be cut.                         | CSE | 2  |                                                        | CSE | 3 |                                               | CSE | 4  |                                                      | CSE | 5 |  | CSE | 6 |  | CSE | 7 |  | CSE | 8 |  | CSE | 9 |  | CSE |
| Code                   | Description                                            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 1                      | This tree is to be cut.                                | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 2                      |                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 3                      |                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 4                      |                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 5                      |                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 6                      |                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 7                      |                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 8                      |                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |
| 9                      |                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                 |     |    |                                                        |     |   |                                               |     |    |                                                      |     |   |  |     |   |  |     |   |  |     |   |  |     |   |  |     |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                    | Size                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
|-------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|---------------------|-----|----|-------------------------|--|----|------------|--|----|-----------|--|----|---------------------|--|----|-------------------------|--|
| GROWTH_FORM             | VC(2)                   | <p>Plant growth form code:</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>EB</td><td>Evergreen broadleaf</td><td></td></tr> <tr> <td>EN</td><td>Evergreen needle leaved</td><td></td></tr> <tr> <td>EV</td><td>Evergreen</td><td></td></tr> <tr> <td>DE</td><td>Deciduous</td><td></td></tr> <tr> <td>DB</td><td>Deciduous broadleaf</td><td></td></tr> <tr> <td>DN</td><td>Deciduous needle leaved</td><td></td></tr> </tbody> </table> | Code | Description | Use | EB | Evergreen broadleaf |     | EN | Evergreen needle leaved |  | EV | Evergreen  |  | DE | Deciduous |  | DB | Deciduous broadleaf |  | DN | Deciduous needle leaved |  |
| Code                    | Description             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| EB                      | Evergreen broadleaf     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| EN                      | Evergreen needle leaved |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| EV                      | Evergreen               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| DE                      | Deciduous               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| DB                      | Deciduous broadleaf     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| DN                      | Deciduous needle leaved |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| GROWTH_SAMPLE_TREE_FLAG | VC(1)                   | <p>Flag to indicate if a tree is a growth sample tree.</p> <p>Y = Yes, the tree is a growth sample tree.</p>                                                                                                                                                                                                                                                                                                                                                                                               |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| HEIGHT                  | N(7,4)                  | Total span of a plant from ground level along bole to tip of tree (tree length, bole length). Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| HEIGHT_GROWTH           | N(7,4)                  | Increase in height over a specified time period. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| HEIGHT_GROWTH_METHOD    | VC(2)                   | <p>Method used in measuring height growth:</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td>CSE</td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>                                                                                                                                                                                    | Code | Description | Use | M  | Measured            | CSE | E  | Estimated               |  | C  | Calculated |  |    |           |  |    |                     |  |    |                         |  |
| Code                    | Description             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| M                       | Measured                | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| E                       | Estimated               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| C                       | Calculated              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| HEIGHT_MERCHANTABLE     | N(5,2)                  | The height, where no physical log, whether or not merchantable, can be produced because of excessive limbs, forks, or crooks.                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| HEIGHT_METHOD           | VC(7)                   | <p>Method used to measure total height:</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td>CSE</td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>                                                                                                                                                                                       | Code | Description | Use | M  | Measured            | CSE | E  | Estimated               |  | C  | Calculated |  |    |           |  |    |                     |  |    |                         |  |
| Code                    | Description             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| M                       | Measured                | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| E                       | Estimated               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| C                       | Calculated              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| HEIGHT_TO_BREAK         | N(7,4)                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| HEIGHT_TO_BREAK_METHOD  | VC(2)                   | <p>Method used to measure height to break:</p> <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>                                                                                                                                                                                       | Code | Description | Use | M  | Measured            |     | E  | Estimated               |  | C  | Calculated |  |    |           |  |    |                     |  |    |                         |  |
| Code                    | Description             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| M                       | Measured                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| E                       | Estimated               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| C                       | Calculated              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |
| HEIGHT_TOPKILL          | N(7,4)                  | Height from the ground to the point of stem breakage or topkill. Stored in feet.                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                     |     |    |                         |  |    |            |  |    |           |  |    |                     |  |    |                         |  |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                  | Size                                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
|-----------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|---------------------------------------------------------|-----|---|----------------------------------------------------------|-----|---|----------------------------------------------------------------|-----|---|------------------------------------------------------------------|-----|---|----------------------------------------------------|-----|
| HEIGHT_TOPKILL_METHOD | VC(2)                                                            | <p>Method used to measure height topkill:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>M</td><td>Measured</td><td></td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                   | Code | Description | Use | M | Measured                                                |     | E | Estimated                                                |     | C | Calculated                                                     |     |   |                                                                  |     |   |                                                    |     |
| Code                  | Description                                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| M                     | Measured                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| E                     | Estimated                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| C                     | Calculated                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| INDUSTRIAL_FLAG       | VC(1)                                                            | <p>Flag to indicate if a tree is classified as industrial or non-industrial. An industrial tree can be harvested, marketed, and utilized as a forest product:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>Y</td><td>Yes, the tree is industrial or commercial</td><td></td></tr> <tr> <td>N</td><td>No, the tree is non-industrial, or non-commercial</td><td></td></tr> </table>                                                                                                                                                                                                                       | Code | Description | Use | Y | Yes, the tree is industrial or commercial               |     | N | No, the tree is non-industrial, or non-commercial        |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| Code                  | Description                                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| Y                     | Yes, the tree is industrial or commercial                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| N                     | No, the tree is non-industrial, or non-commercial                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| LEAN_ANGLE            | N(2)                                                             | Amount from vertical the bole is leaning (vertical = 0 degrees). Measured in degrees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| LIFEFORM_CODE         | VC(2)                                                            | The life form classification of the tree. This column is constrained by Nrv_lifeform_classes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| LIVE_DEAD             | VC(1)                                                            | <p>Indicates whether a tree is alive or dead:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>L</td><td>Live tree</td><td>CSE</td></tr> <tr> <td>D</td><td>Dead tree</td><td>CSE</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                         | Code | Description | Use | L | Live tree                                               | CSE | D | Dead tree                                                | CSE |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| Code                  | Description                                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| L                     | Live tree                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| D                     | Dead tree                                                        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| LOG_DECAY_CLASS       | VC(2)                                                            | <p>Current condition of a down, dead tree:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>Bark intact, bole twigs, round, recently fallen "green"</td><td>CSE</td></tr> <tr> <td>2</td><td>Bark intact, twigs absent, soft texture, round, branches</td><td>CSE</td></tr> <tr> <td>3</td><td>Trace of bark, twigs gone, round, log near ground, no branches</td><td>CSE</td></tr> <tr> <td>4</td><td>Bark absent, twigs and branches gone, blocky texture, oval shape</td><td>CSE</td></tr> <tr> <td>5</td><td>No bark or twigs, soft powdery texture, oval shape</td><td>CSE</td></tr> </table> | Code | Description | Use | 1 | Bark intact, bole twigs, round, recently fallen "green" | CSE | 2 | Bark intact, twigs absent, soft texture, round, branches | CSE | 3 | Trace of bark, twigs gone, round, log near ground, no branches | CSE | 4 | Bark absent, twigs and branches gone, blocky texture, oval shape | CSE | 5 | No bark or twigs, soft powdery texture, oval shape | CSE |
| Code                  | Description                                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| 1                     | Bark intact, bole twigs, round, recently fallen "green"          | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| 2                     | Bark intact, twigs absent, soft texture, round, branches         | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| 3                     | Trace of bark, twigs gone, round, log near ground, no branches   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| 4                     | Bark absent, twigs and branches gone, blocky texture, oval shape | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| 5                     | No bark or twigs, soft powdery texture, oval shape               | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| MAPCOND_CN            | VC(34)                                                           | Foreign key to Nrv_fia_mapped_conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| MODIFIED_BY           | VC(30)                                                           | The name of the person who modified the record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| MODIFIED_DATE         | DATE                                                             | The date the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| MODIFIED_IN_INSTANCE  | N(6)                                                             | The database ID where the record was modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |
| NO_OF_STEMS           | N(3)                                                             | Number of stems that comprise the individual plant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                         |     |   |                                                          |     |   |                                                                |     |   |                                                                  |     |   |                                                    |     |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                   | Size        | Description                                                                                                                                                                                                                                                                                                      |      |             |     |   |          |     |   |           |  |   |            |  |
|------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|----------|-----|---|-----------|--|---|------------|--|
| OFF_PLOT_FLAG          | VC(1)       | Flag to indicate if a tree is located off a plot. Trees located off the plot are not statistically related to those located on the plot.<br><br>Y = Yes, the tree is located off the plot.                                                                                                                       |      |             |     |   |          |     |   |           |  |   |            |  |
| PHYSICAL_TAG_FLAG      | VC(1)       | Flag to indicate if the tag_id is a physical tag attached to the tree.<br><br>Y = Yes, the tag is physically attached to the tree.                                                                                                                                                                               |      |             |     |   |          |     |   |           |  |   |            |  |
| PREVIOUS_TAG_ID        | VC(5)       | If an original physical tag was lost, and the tree was re-tagged, this field stores the previous tag_id value; the value contained in tag_id field will then be considered the current tree tag_id.                                                                                                              |      |             |     |   |          |     |   |           |  |   |            |  |
| PRIMARY_RECORD_FLAG    | VC(1)       | Flag to indicate if this is the primary tree measurement record. This flag is used when there are multiple records in this table for the same tree at the same point in time.<br><br>Y = Yes, this is the primary tree record. Another record exists in this table for this tree measurement                     |      |             |     |   |          |     |   |           |  |   |            |  |
| RADIAL_GROWTH          | N(7,4)      | Increase in the inside bark tree radius, over a period of time at the point where the diameter is measured. Stored in 20ths of inches.                                                                                                                                                                           |      |             |     |   |          |     |   |           |  |   |            |  |
| RADIAL_GROWTH_2        | N(7,4)      | Increase in inside bark tree radius; over a period of time, at the point diameter is measured. Stored in 20ths of inches.                                                                                                                                                                                        |      |             |     |   |          |     |   |           |  |   |            |  |
| RADIAL_GROWTH_METHOD   | VC(2)       | Method used to measure radial_growth: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td>CSE</td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table>   | Code | Description | Use | M | Measured | CSE | E | Estimated |  | C | Calculated |  |
| Code                   | Description | Use                                                                                                                                                                                                                                                                                                              |      |             |     |   |          |     |   |           |  |   |            |  |
| M                      | Measured    | CSE                                                                                                                                                                                                                                                                                                              |      |             |     |   |          |     |   |           |  |   |            |  |
| E                      | Estimated   |                                                                                                                                                                                                                                                                                                                  |      |             |     |   |          |     |   |           |  |   |            |  |
| C                      | Calculated  |                                                                                                                                                                                                                                                                                                                  |      |             |     |   |          |     |   |           |  |   |            |  |
| RADIAL_GROWTH_METHOD_2 | VC(2)       | Method used to measure radial_growth_2: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>M</td><td>Measured</td><td>CSE</td></tr> <tr> <td>E</td><td>Estimated</td><td></td></tr> <tr> <td>C</td><td>Calculated</td><td></td></tr> </tbody> </table> | Code | Description | Use | M | Measured | CSE | E | Estimated |  | C | Calculated |  |
| Code                   | Description | Use                                                                                                                                                                                                                                                                                                              |      |             |     |   |          |     |   |           |  |   |            |  |
| M                      | Measured    | CSE                                                                                                                                                                                                                                                                                                              |      |             |     |   |          |     |   |           |  |   |            |  |
| E                      | Estimated   |                                                                                                                                                                                                                                                                                                                  |      |             |     |   |          |     |   |           |  |   |            |  |
| C                      | Calculated  |                                                                                                                                                                                                                                                                                                                  |      |             |     |   |          |     |   |           |  |   |            |  |
| RECENT_MORTALITY_FLAG  | VC(1)       | Flag to indicate if a tree has died “recently,” or within the time frame specified in recent_mortality_years.<br><br>Y = Yes, the tree has died within the specified time frame.                                                                                                                                 |      |             |     |   |          |     |   |           |  |   |            |  |
| RECENT_MORTALITY_YEARS | N(2)        | Not currently used. The maximum amount of time a tree has been dead and can still be flagged as “recent” mortality in recent_mortality_flag. Stored in years. This column is a duplicate of the column in setting_measurements and will be dropped in future revisions of the database).                         |      |             |     |   |          |     |   |           |  |   |            |  |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name                    | Size                                                                                                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|-----|------------------------------------------------------------------------------------|-----|-------|----------------------------|-----|------|----------------------------------------------------------------------------------------------------------------------------------|-----|-----|--------------------------------------|-----|----|-------------------------------------------------------------------------------------------------------------|--|----|--------------------------------------|--|----|-----------------------------------------------------------------------------|--|----|------------------|--|----|--------------------------------------------------|--|----|------|--|
| RECONCILIATION_CODE     | VC(2)                                                                                                                            | Reason why a tree was not measured in the current or previous measurements: <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>SP</td><td>New sprout</td><td></td></tr> <tr> <td>GE</td><td>New germinant</td><td></td></tr> <tr> <td>IG</td><td>Ingrowth tree (a tree previously measured in a separate design group that has passed a minimum threshold for a new design group)</td><td></td></tr> <tr> <td>ID</td><td>Ingrowth tree due to a design change</td><td></td></tr> <tr> <td>OG</td><td>Ongrowth tree (a tree was not previously measured but is now measured because it meets a minimum threshold)</td><td></td></tr> <tr> <td>OD</td><td>Ongrowth tree due to a design change</td><td></td></tr> <tr> <td>MI</td><td>Missed tree (should have been measured before but was inadvertently missed)</td><td></td></tr> <tr> <td>MA</td><td>In at both times</td><td></td></tr> <tr> <td>EX</td><td>Extra tree, should not have been measured before</td><td></td></tr> <tr> <td>GO</td><td>Gone</td><td></td></tr> </tbody> </table> | Code | Description | Use | SP  | New sprout                                                                         |     | GE    | New germinant              |     | IG   | Ingrowth tree (a tree previously measured in a separate design group that has passed a minimum threshold for a new design group) |     | ID  | Ingrowth tree due to a design change |     | OG | Ongrowth tree (a tree was not previously measured but is now measured because it meets a minimum threshold) |  | OD | Ongrowth tree due to a design change |  | MI | Missed tree (should have been measured before but was inadvertently missed) |  | MA | In at both times |  | EX | Extra tree, should not have been measured before |  | GO | Gone |  |
| Code                    | Description                                                                                                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| SP                      | New sprout                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| GE                      | New germinant                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| IG                      | Ingrowth tree (a tree previously measured in a separate design group that has passed a minimum threshold for a new design group) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| ID                      | Ingrowth tree due to a design change                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| OG                      | Ongrowth tree (a tree was not previously measured but is now measured because it meets a minimum threshold)                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| OD                      | Ongrowth tree due to a design change                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| MI                      | Missed tree (should have been measured before but was inadvertently missed)                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| MA                      | In at both times                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| EX                      | Extra tree, should not have been measured before                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| GO                      | Gone                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| REMARKS                 | VC(255)                                                                                                                          | Remarks relevant to the tree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| REMOVAL_CODE            | VC(3)                                                                                                                            | Action that resulted in a tree being removed. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>100</td><td>Tree has been removed. Cause of removal stored in Nrv_tree_disturbances, if known.</td><td>FIA</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Code | Description | Use | 100 | Tree has been removed. Cause of removal stored in Nrv_tree_disturbances, if known. | FIA |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| Code                    | Description                                                                                                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| 100                     | Tree has been removed. Cause of removal stored in Nrv_tree_disturbances, if known.                                               | FIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| REMOVAL_DATE            | DATE                                                                                                                             | Date, if known, the tree was removed. If actual date is not known enter the year and/or month.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| REMOVAL_DATE_ACCURACY   | VC(5)                                                                                                                            | Accuracy of the removal date. <table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> </thead> <tbody> <tr> <td>DAY</td><td>Valid to the nearest day</td><td>All</td></tr> <tr> <td>MONTH</td><td>Valid to the nearest month</td><td>All</td></tr> <tr> <td>YEAR</td><td>Valid to the nearest year</td><td>All</td></tr> <tr> <td>EST</td><td>Only an estimate</td><td>All</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Code | Description | Use | DAY | Valid to the nearest day                                                           | All | MONTH | Valid to the nearest month | All | YEAR | Valid to the nearest year                                                                                                        | All | EST | Only an estimate                     | All |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| Code                    | Description                                                                                                                      | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| DAY                     | Valid to the nearest day                                                                                                         | All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| MONTH                   | Valid to the nearest month                                                                                                       | All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| YEAR                    | Valid to the nearest year                                                                                                        | All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| EST                     | Only an estimate                                                                                                                 | All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| ROW_ACCESS_CODE         | VC(6)                                                                                                                            | Control field to support row level access.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| SECOND_TREATMENT_OPTION | VC(2)                                                                                                                            | Possible silvicultural treatment option. Valid codes are 1-9. Example: (1 = leave tree; 2 = cut tree.) The meaning of each code is locally defined.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| SELCRIT_CN              | VC(34)                                                                                                                           | Foreign key to Nrv_selection_criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |
| SITE_TREE_FLAG          | VC(1)                                                                                                                            | Flag to indicate if a tree is a site tree:<br>Y = Yes, the tree is a site tree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |     |                                                                                    |     |       |                            |     |      |                                                                                                                                  |     |     |                                      |     |    |                                                                                                             |  |    |                                      |  |    |                                                                             |  |    |                  |  |    |                                                  |  |    |      |  |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name             | Size                                                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
|------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|---|-------------------------------------------------------------------|-----|---|-------------------------------------------------------------------------|-----|---|------------------------------------------------------------------|-----|---|------------------------------------------------------------|-----|---|-----------------------------------------------------------------------|-----|
| SNAG_DECAY_CLASS | VC(2)                                                                   | <p>Evaluation of the current condition of a standing dead tree:</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>1</td><td>All limbs, pointed top, 100% bark, intact sapwood, height intact.</td><td>CSE</td></tr> <tr> <td>2</td><td>Few limbs, top may be broken, some bark and height loss, sapwood decay.</td><td>CSE</td></tr> <tr> <td>3</td><td>Limb stubs, broken bole, bark, and sapwood sloughed, broken top.</td><td>CSE</td></tr> <tr> <td>4</td><td>Few stubs, bole broken/rotten, 50% bark, sapwood sloughed.</td><td>CSE</td></tr> <tr> <td>5</td><td>No stubs, broken and rotten bole, 20% bark, sapwood gone, rotten 50%.</td><td>CSE</td></tr> </table> | Code | Description | Use | 1 | All limbs, pointed top, 100% bark, intact sapwood, height intact. | CSE | 2 | Few limbs, top may be broken, some bark and height loss, sapwood decay. | CSE | 3 | Limb stubs, broken bole, bark, and sapwood sloughed, broken top. | CSE | 4 | Few stubs, bole broken/rotten, 50% bark, sapwood sloughed. | CSE | 5 | No stubs, broken and rotten bole, 20% bark, sapwood gone, rotten 50%. | CSE |
| Code             | Description                                                             | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| 1                | All limbs, pointed top, 100% bark, intact sapwood, height intact.       | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| 2                | Few limbs, top may be broken, some bark and height loss, sapwood decay. | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| 3                | Limb stubs, broken bole, bark, and sapwood sloughed, broken top.        | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| 4                | Few stubs, bole broken/rotten, 50% bark, sapwood sloughed.              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| 5                | No stubs, broken and rotten bole, 20% bark, sapwood gone, rotten 50%.   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| SPECIES_SYMBOL   | VC(8)                                                                   | The NRCS PLANTS code of the species represented by this record. For example, PSME = <i>Pseudotsuga menziesii</i> . Constrained by the appropriate TAXA table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| SUBGROUP_CODE    | VC(4)                                                                   | Categorize the trees into different groups within a stand.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| SUBSAMPLE        | VC(2)                                                                   | Subsample code.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| TAG_ID           | VC(5)                                                                   | Unique number physically attached to a tree or assigned to a tree record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| TOPKILL_PERCENT  | N(3)                                                                    | Amount of the total tree height that is topkill (including broken or missing top). Stored in percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |
| TPA_EQUIV        | N(10,5)                                                                 | The number of trees per acre represented by this tree record for the lowest-level sample element (i.e., plot, subplot, etc.) on which it was measured. A calculated value. Note if a tree record represents multiple trees, this value represents the expansion factor for the record, not for an individual tree on the record.                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |   |                                                                   |     |   |                                                                         |     |   |                                                                  |     |   |                                                            |     |   |                                                                       |     |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name        | Size                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
|-------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|----------------------|-------------|----|---------------------|-------------|----|---------------|-------------|----|------------|-------------|----|-------------|-------------|----|----------------------|-------------|----|------------------------|-------------|----|------------------------|-------------|----|-----|--------|----|------------------|--------|---|---------|---------|---|-----------|---------|---|------|---------|---|------|---------|
| TREE_CLASS  | VC(2)                  | <p>The class of an individual tree.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>AC</td><td>Acceptable crop tree</td><td>CSE, Legacy</td></tr> <tr> <td>DE</td><td>Desirable crop tree</td><td>CSE, Legacy</td></tr> <tr> <td>GS</td><td>Growing stock</td><td>CSE, Legacy</td></tr> <tr> <td>RF</td><td>Rough tree</td><td>CSE, Legacy</td></tr> <tr> <td>RN</td><td>Rotten tree</td><td>CSE, Legacy</td></tr> <tr> <td>SV</td><td>Salvable tree (hard)</td><td>CSE, Legacy</td></tr> <tr> <td>UA</td><td>Unacceptable crop tree</td><td>CSE, Legacy</td></tr> <tr> <td>US</td><td>Unsalvable tree (soft)</td><td>CSE, Legacy</td></tr> <tr> <td>LG</td><td>Log</td><td>Legacy</td></tr> <tr> <td>WS</td><td>Woodland species</td><td>Legacy</td></tr> <tr> <td>H</td><td>Healthy</td><td>Firemon</td></tr> <tr> <td>U</td><td>Unhealthy</td><td>Firemon</td></tr> <tr> <td>S</td><td>Sick</td><td>Firemon</td></tr> <tr> <td>D</td><td>Dead</td><td>Firemon</td></tr> </table> | Code | Description | Use | AC | Acceptable crop tree | CSE, Legacy | DE | Desirable crop tree | CSE, Legacy | GS | Growing stock | CSE, Legacy | RF | Rough tree | CSE, Legacy | RN | Rotten tree | CSE, Legacy | SV | Salvable tree (hard) | CSE, Legacy | UA | Unacceptable crop tree | CSE, Legacy | US | Unsalvable tree (soft) | CSE, Legacy | LG | Log | Legacy | WS | Woodland species | Legacy | H | Healthy | Firemon | U | Unhealthy | Firemon | S | Sick | Firemon | D | Dead | Firemon |
| Code        | Description            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| AC          | Acceptable crop tree   | CSE, Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| DE          | Desirable crop tree    | CSE, Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| GS          | Growing stock          | CSE, Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| RF          | Rough tree             | CSE, Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| RN          | Rotten tree            | CSE, Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| SV          | Salvable tree (hard)   | CSE, Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| UA          | Unacceptable crop tree | CSE, Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| US          | Unsalvable tree (soft) | CSE, Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| LG          | Log                    | Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| WS          | Woodland species       | Legacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| H           | Healthy                | Firemon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| U           | Unhealthy              | Firemon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| S           | Sick                   | Firemon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| D           | Dead                   | Firemon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| TREE_COUNT  | N(4)                   | Count of like individuals (e.g. same species and size class) that this record represents. Used when a single record represents more than one measured tree (e.g. seedlings).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| TREE_GRADE  | N(2)                   | Used by eastern FIA units and is not available in the West. This value is nonzero for all sawtimber-size trees regardless of status, however it is not measured on all sawtimber-size trees on every plot. Sawtimber-size trees that are graded but do not contain a gradable log are given a tree grade 5. Sawtimber-size trees that are not graded because of sampling design have a tree grade of -1. Trees smaller than sawtimber receive a tree grade of zero. Valid values are 0-5, and -1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| TREE_STATUS | VC(1)                  | <p>The status of an individual tree.</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>L</td><td>Live</td><td>CSE</td></tr> <tr> <td>S</td><td>Stump</td><td>CSE</td></tr> <tr> <td>Y</td><td>Down live</td><td>CSE</td></tr> <tr> <td>D</td><td>Dead</td><td>CSE</td></tr> <tr> <td>X</td><td>Down dead</td><td>CSE</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Code | Description | Use | L  | Live                 | CSE         | S  | Stump               | CSE         | Y  | Down live     | CSE         | D  | Dead       | CSE         | X  | Down dead   | CSE         |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| Code        | Description            | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| L           | Live                   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| S           | Stump                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| Y           | Down live              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| D           | Dead                   | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |
| X           | Down dead              | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |             |     |    |                      |             |    |                     |             |    |               |             |    |            |             |    |             |             |    |                      |             |    |                        |             |    |                        |             |    |     |        |    |                  |        |   |         |         |   |           |         |   |      |         |   |      |         |

**NRV\_TREE\_MEASUREMENTS (cont.)**

| Name              | Size                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
|-------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----|----|-------------------------------|-----|----|-------------------------------|-----|----|------------|-----|----|----------------------------|-----|----|--------------|-----|----|-----------------------|--|----|--------------------------|-----|
| TREE_USAGE        | VC(2)                         | <p>Use of a tree by wildlife. "Cavity" refers only to those made by wildlife (denning, resting, feeding, etc.).</p> <table> <tr> <th>Code</th><th>Description</th><th>Use</th></tr> <tr> <td>SC</td><td>Cavity &lt; 3 inches in diameter</td><td>CSE</td></tr> <tr> <td>LC</td><td>Cavity &gt; 3 inches in diameter</td><td>CSE</td></tr> <tr> <td>LB</td><td>Loose bark</td><td>CSE</td></tr> <tr> <td>FH</td><td>Foraging holes/flaked bark</td><td>CSE</td></tr> <tr> <td>NE</td><td>Nest in tree</td><td>CSE</td></tr> <tr> <td>AC</td><td>Animal created cavity</td><td></td></tr> <tr> <td>IB</td><td>Indiana Bat Habitat tree</td><td>CSE</td></tr> </table> | Code | Description | Use | SC | Cavity < 3 inches in diameter | CSE | LC | Cavity > 3 inches in diameter | CSE | LB | Loose bark | CSE | FH | Foraging holes/flaked bark | CSE | NE | Nest in tree | CSE | AC | Animal created cavity |  | IB | Indiana Bat Habitat tree | CSE |
| Code              | Description                   | Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| SC                | Cavity < 3 inches in diameter | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| LC                | Cavity > 3 inches in diameter | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| LB                | Loose bark                    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| FH                | Foraging holes/flaked bark    | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| NE                | Nest in tree                  | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| AC                | Animal created cavity         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| IB                | Indiana Bat Habitat tree      | CSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| UNIQUE_NO         | N(5)                          | Unique number identifying a tree for FVS processing. This number is generated the first time the tree is entered, and will not change over the course of re-measurements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| X_COORDINATE      | N(7,2)                        | X-coordinate of this tree relative to a user-defined origin. Used for rectangular or square plots.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| Y_COORDINATE      | N(7,2)                        | Y-coordinate of this tree relative to a user-defined origin. Used for rectangular or square plots.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| YEAR_OF_DEATH     | N(4)                          | Estimated year the tree died.<br><br>Year must be greater than 1799.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| YEAR_OF_ORIGIN    | N(4)                          | Year the tree became established by germination or sprouting (estimate based on local knowledge). Determined from the current total age of the tree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |
| YEAR_TAG_REPLACED | N(4)                          | Year the current tag_id replaced the previous tag_id.<br><br>Year must be greater than 1799.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |     |    |                               |     |    |                               |     |    |            |     |    |                            |     |    |              |     |    |                       |  |    |                          |     |

**NRV\_TREE\_VOLUMES**

This table describes tree volumes calculated from an outside volume estimator. There can be multiple tree volume records for each tree measurement record. A record must already exist in Nrv\_tree\_measurements before entering a record in this table.

| Name                                   | Size   | Description                                                                          |
|----------------------------------------|--------|--------------------------------------------------------------------------------------|
| CN<br><i>Required</i>                  | VC(34) | A system generated sequence number to uniquely identify a row of data in this table. |
| CREATED_BY<br><i>Required</i>          | VC(30) | The name of the person who created the record.                                       |
| CREATED_DATE<br><i>Required</i>        | DATE   | The date the record was created.                                                     |
| CREATED_IN_INSTANCE<br><i>Required</i> | N(6)   | The database ID where the record was created.                                        |
| TREMEAS_CN<br><i>Required</i>          | VC(34) | Foreign key to Nrv_tree_measurements.                                                |

**NRV\_TREE\_VOLUMES (cont.)**

| Name                          | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VPDUNIT_ID<br><i>Required</i> | VC(10)  | Code which lets a user access specific data in the database. In most cases this is the Region and Forest number which allows the user to only access and manipulate that Region's and Forest's data.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BIOMASS                       | N(10,2) | Total gross mass of a tree for fire fuel modeling. Stored in pounds.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BIOMASS_VOL_REF               | VC(10)  | Volume equation used to calculate the Biomass.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CARBON_AG                     | N(13,6) | Carbon in the aboveground portion of the tree. The carbon mass (pounds) in the aboveground portion, excluding foliage, of live trees with a diameter of 1 inch or larger, and dead trees with a diameter of 5 inches or larger. Calculated for both timber and woodland species. This is a per tree value and must be multiplied by TPA_UNADJ to obtain per acre information. Carbon is assumed to be one-half the value of biomass and is derived by summing the aboveground biomass estimates and multiplying by 0.5 as follows:<br>$CARBON\_AG = 0.5 * (DRYBIO\_BOLE + DRYBIO\_STUMP + DRYBIO\_TOP + DRYBIO\_SAPLING + DRYBIO\_WDL\_SPP)$ |
| CARBON_BG                     | N(13,6) | Carbon in the belowground portion of the tree. The carbon mass (pounds) of coarse roots that are greater than 0.1 inch in root diameter. Calculated for live trees with a diameter of 1 inch or larger, and dead trees with a diameter of 5 inches or larger. Calculated for both timber and woodland species. This is a per tree value and must be multiplied by TPA_UNADJ to obtain per acre information. Carbon is assumed to be one-half the value of belowground biomass as follows:<br>$CARBON\_BG = 0.5 * DRYBIO\_BG$                                                                                                                 |
| CUBIC_VOL_GROWTH              | N(6,2)  | Volume growth of a tree in cubic feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CUBIC_VOL_GROWTH_REF          | VC(10)  | Volume equation used to calculate cubic_vol_growth.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DRYBIO_BG                     | N(13,6) | Dry biomass of the roots. The oven-dry biomass (pounds) of the belowground portion of a tree, includes coarse roots with a root diameter greater than or equal to 0.1 inch. Calculated on live and dead trees for both timber and woodland species with a diameter of 1 inch or larger. This is a per tree value and must be multiplied by TPA_UNADJ to obtain per acre information. Appendix J contains equations used to estimate biomass components in the FIADB.                                                                                                                                                                         |

**NRV\_TREE\_VOLUMES (cont.)**

| <b>Name</b>    | <b>Size</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRYBIO_BOLE    | N(13,6)     | Dry biomass in the merchantable bole. The oven-dry biomass (pounds) in the merchantable bole of timber species [trees where diameter is measured at breast height (DBH)] greater than or equal to 5 inches in diameter. This is the biomass of sound wood in live and dead trees, including bark, from a 1-foot stump to a minimum 4-inch top DOB of the central stem. This is a per tree value and must be multiplied by TPA_UNADJ to obtain per acre information. This attribute is blank (null) for timber species with DIA < 5.0 inches and for woodland species. See DRYBIO_WDLD_SPP for biomass of woodland species and DRYBIO_SAPLING for biomass of trees with DIA < 5 inches. For dead or cut timber trees, this number represents the biomass at the time of death or last measurement. DRYBIO_BOLE is based on VOLCFSND and specific gravity information derived by the Forest Products Lab and others (values stored in the REF_SPECIES table). If VOLCFSND is not available, then either VOLCFGRS * Percent Sound or VOLCFNET * (ratio of cubic foot sound to cubic foot net vol) is used. The source of specific gravity information for each species can be found by linking the REF_SPECIES table to the REF_CITATION table. Appendix J contains equations used to estimate biomass components in the FIADB. |
| DRYBIO_SAPLING | N(13,6)     | Dry biomass of saplings. The oven-dry biomass (pounds) of the above ground portion, excluding foliage, of live trees with a Diameter from 1 to 4.9 inches. Calculated for timber species only. The biomass of saplings is based on biomass computed from Jenkins and others (2003), using the observed diameter and an adjustment factor. This is a per tree value and must be multiplied by TPA_UNADJ to obtain per acre information. Appendix J contains equations used to estimate biomass components in the FIADB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DRYBIO_STUMP   | N(13,6)     | Dry biomass in the tree stump. The oven-dry biomass (pounds) in the stump of timber species [trees where diameter is measured at breast height (DBH)] > 5 inches in diameter. The stump is that portion of the tree from the ground to the bottom of the merchantable bole (i.e., 1 foot). This is a per tree value and must be multiplied by TPA_UNADJ to obtain per acre information. Estimated for live and dead trees. For dead or cut trees, this number represents the biomass at the time of death or last measurement. This attribute is blank (null) for timber species with DIA < 5.0 inches and for woodland species. See DRYBIO_WDLD_SPP for biomass of woodland species, and DRYBIO_SAPLING for biomass of trees with DIA < 5 inches. Appendix J contains equations used to estimate biomass components in the FIADB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**NRV\_TREE\_VOLUMES (cont.)**

| Name                  | Size    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRYBIO_TOP            | N(13,6) | Dry biomass in the top of the tree. The oven-dry biomass (pounds) in the top and branches (combined) of timber species [trees where diameter is measured at breast height (DBH)] greater than or equal to 5 inches in diameter. DRYBIO_TOP includes the tip, the portion of the stem above the merchantable bole (i.e., above 4 inches DOB), all branches and excludes foliage. Estimated for live and dead trees. This is a per tree value and must be multiplied by TPA_UNADJ to obtain per acre information. For dead or cut trees, this number represents the biomass at the time of death or last measurement. This attribute is blank (null) for timber species with DIA < 5.0 inches and for woodland species. See DRYBIO_WDLD_SPP for biomass of woodland species, and DRYBIO_SPLING for biomass of trees with DIA < 5 inches. Appendix J contains equations used to estimate biomass components in the FIADB. |
| DRYBIO_WDLD_SPP       | N(13,6) | Dry biomass of woodland tree species. The oven-dry biomass (pounds) of the aboveground portion, excluding foliage, of woodland species [trees where diameter is measured at root collar (DRC)]. Calculated on live and dead trees with a diameter greater than or equal to 1 inch. This is a per tree value and must be multiplied by TPA_UNADJ to obtain per acre information. This attribute is blank (null) for woodland species with DIA less than 1.0 inch and for all timber species. Appendix J contains equations used to estimate biomass components in the FIADB.                                                                                                                                                                                                                                                                                                                                            |
| FORM_LOSS_PCT         | N(3)    | Amount of total volume that is lost due to form defects such as sweep, crook, etc. Stored in percent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| INTERNATIONAL_GROSS   | N(6,2)  | Gross volume of the tree's merchantable portion in international standards. Stored in board feet. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| INTERNATIONAL_NET     | N(6,2)  | Net volume of the tree's merchantable portion in international standards. Stored in board feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| INTERNATIONAL_VOL_REF | VC(10)  | Volume equation used to calculate the International volume.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MERCH_BOARD_GROSS     | N(8,2)  | Gross volume of the tree's merchantable portion. Stored in board feet. For Region 9, is either the Scribner or International 1/4 board foot volume, depending on the forest. The Chippewa, Superior, Chequamegon-Nicolet, Ottawa, and Hiawatha get Scribner. All other forests get International 1/4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MERCH_BOARD_NET       | N(8,2)  | Net volume of the tree's merchantable portion. Stored in board feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MERCH_BOARD_VOL_REF   | VC(10)  | Volume equation used to calculate the Merchantable Board volume.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**NRV\_TREE\_VOLUMES (cont.)**

| Name                       | Size   | Description                                                                                                                                                                                                |
|----------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MERCH_CORD_GROSS           | N(6,2) | Gross volume of the tree's merchantable portion. Stored in cords.                                                                                                                                          |
| MERCH_CORD_VOL_REF         | VC(10) | Volume equation used to calculate the Merchantable Cord Gross volume.                                                                                                                                      |
| MERCH_CUBIC_GROSS          | N(6,2) | Gross volume of the tree's merchantable portion. Stored in cubic feet.                                                                                                                                     |
| MERCH_CUBIC_NET            | N(6,2) | Net volume of the tree's merchantable portion. Stored in cubic feet.                                                                                                                                       |
| MERCH_CUBIC_VOL_REF        | VC(10) | Volume equation used to calculate the Merchantable Cubic volume.                                                                                                                                           |
| MODIFIED_BY                | VC(30) | The name of the person who modified the record.                                                                                                                                                            |
| MODIFIED_DATE              | DATE   | The date the record was modified.                                                                                                                                                                          |
| MODIFIED_IN_INSTANCE       | N(6)   | The database ID where the record was modified.                                                                                                                                                             |
| ROT_LOSS_PCT               | N(3)   | Amount of total volume lost due to rot. Stored in percent.                                                                                                                                                 |
| ROW_ACCESS_CODE            | VC(6)  | Control field to support row level access.                                                                                                                                                                 |
| TOPWOOD_CORD_GROSS         | N(6,2) | Gross volume of the tree's non-merchantable portion. This is generally the remainder of the volume once the merchantable volume has been subtracted from the total volume of a tree. Stored in cords.      |
| TOPWOOD_CORD_GROSS_VOL_REF | VC(10) | Volume equation used to calculate topwood Cord volume.                                                                                                                                                     |
| TOPWOOD_GROSS              | N(6,2) | Gross volume of the tree's non-merchantable portion. This is generally the remainder of the volume once the merchantable volume has been subtracted from the total volume of a tree. Stored in cubic feet. |
| TOPWOOD_NET                | N(6,2) | Net volume of the tree's non-merchantable portion. This is generally the remainder of the volume once the merchantable volume has been subtracted from the total volume of a tree. Stored in cubic feet.   |
| TOPWOOD_VOL_REF            | VC(10) | Volume equation used to calculate topwood volume.                                                                                                                                                          |
| TOTAL_GROSS                | N(6,2) | Entire gross volume of the tree. Stored in cubic feet.                                                                                                                                                     |
| TOTAL_NET                  | N(6,2) | Entire net volume of the tree. Stored in cubic feet.                                                                                                                                                       |
| TOTAL_VOL_REF              | VC(10) | Volume equation used to calculate the total volume.                                                                                                                                                        |
| VOID_LOSS_PCT              | N(3)   | Amount of total volume that is lost due to hollows, soft rot, fire char, missing top, or branches. Stored in percent.                                                                                      |
| VOLUME_LOSS_PCT            | N(3)   | Amount of total volume that is missing due to an unusual defect or disease. Stored in percent.                                                                                                             |
| VOLUME_TREE_HEIGHT         | N(5,2) | Height used to estimate volumes. Stored in feet.                                                                                                                                                           |