



United States Department of Agriculture
US Forest Service
Natural Resource Manager (NRM)



FSVeg Common Stand Exam User Guide

Chapter 5: Loading Data into FSVeg

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LOAD DATA FROM PDR

STEP 1: MOVE THE DATA FILE TO THE PC

If you entered your data using ExamsPC, skip to [Step 2](#). You may want to do a **SOFT** reset of your PDR before transferring the data. This will ensure that ExamsPDR is not running in the background (if you forgot to close out correctly) and that the file you wish to transfer is not tied up. Also, make sure the file you want to transfer to ExamsPC is not currently the active file in ExamsPC.

Step 1.1 Turn on the PDR. On a Cassio this is the pink key.

Step 1.2 Connect the PDR to the PC by one of the following methods:

- **Serial cable:** Connect the communications serial cable from the PC com port to the PDR.
- **USB port:** Connect the USB communications cable from the PC USB port to the PDR. Newer PCs have the USB port located on the front. On a Dell, it is hidden under a cover that opens in the front.
- **Cradle:** Place the PDR in the cradle, and then connect the cradle to the PC via either a USB or serial cable.

Step 1.3 If you have a dual boot (DOS and Windows CE) PDR, and if the PDR is showing the DOS (C:\>) prompt, type the letters “wce” followed by pressing the Enter key. This will re-boot your PDR to the Windows CE operating system.

Step 1.4 Generally, the PDR will beep and display a window indicating that it is trying to make a connection with the PC via ActiveSync.

Note: Occasionally, when the PDR is connected to the PC for the first time, the PC will respond that a new USB device has been found. It will then attempt to Add the New Hardware and inform you that you have insufficient privileges. In this case, see your System Administrator to obtain the proper privileges.

For the Allegro CE:

1. Select Start/Settings/Control Panel
2. Double-click the “Communications” icon
3. Select “PC Communication”
4. Select “Change” on the bottom right-hand side
5. Select the pull-down list
6. To use a USB port, select “USB”

7. To use the serial port, select “com1@57600 baud”

8. Select “OK” then “OK” again

Step 1.5 After a brief period (please be patient), the PC will display a “New Partnership” window **OR** a “New Partnership” tab will appear on the bottom of your PC screen. Select this tab to bring up the window.

Do not establish a “Partnership.” Select either “No” or “Guest Partnership,” then select “Next.” If a box pops up informing you that a partnership has not been established, close the message box.

If the Partnership window does not appear within 30 seconds, select the ActiveSync icon located on the PC desktop, or select Start/Programs/Microsoft ActiveSync. Select File/Connection Settings. The Connection Settings window is now displayed. Select COM1 from the drop-down list.

Step 1.6 The ActiveSync window now appears. A window with “Connected” and a green circle icon indicates success. Selecting the X box in the upper right-hand corner of the ActiveSync window will close this window. The icon shown in [Figure 1](#) will be displayed in your system tray at the bottom right of the PC screen on the taskbar.

Figure 1: Sync icon



Step 1.7 From the PC Desktop, select the ExamsPC shortcut icon. Alternatively, you can double-click on the My Computer icon to open a Windows Explorer window. Double-click on the Local Disk (C) folder. Double-click on the EXAMS folder. Double-click on the ExamsPC.exe file name.

Step 1.8 At the top of the ExamsPC program, select the file transfer icon, as shown in [Figure 2](#).

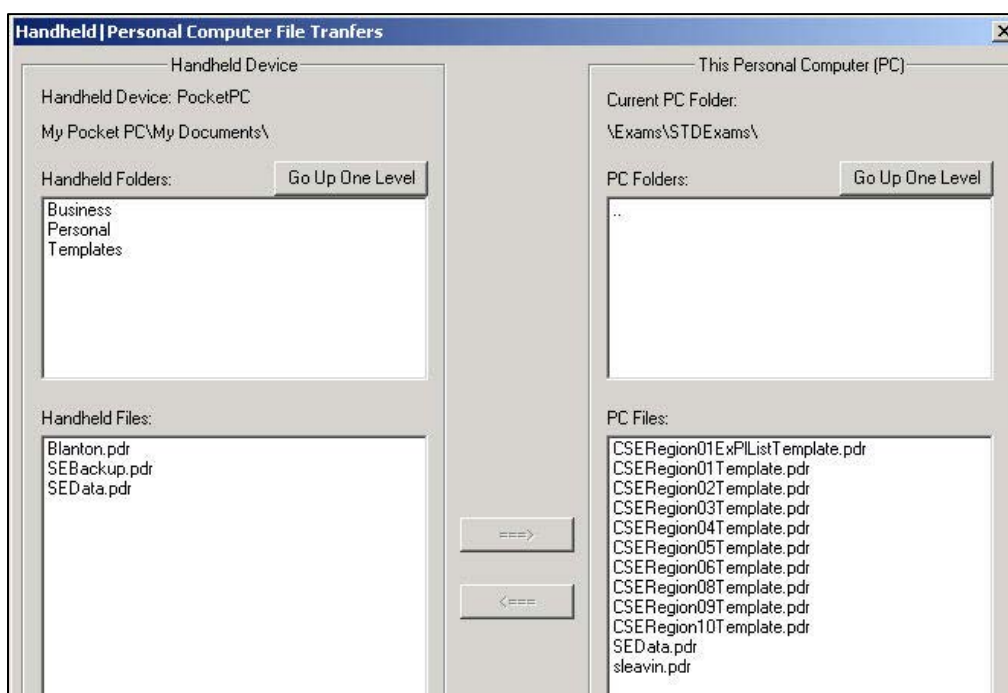
Figure 2: File transfer icon



Step 1.9 The left portion of the screen is the PDR and the right portion of the screen is the PC, as shown in [Figure 3](#). On the right portion of the screen, navigate to Exams/stdexams. On the left portion of the screen, navigate as follows:

- a. For Axiom, IPAC, Cassio, Q100: my pocket PC/My Documents
- b. For Allegro CE: My Computer/C-drive/Exams stdexams

Figure 3: File transfer window

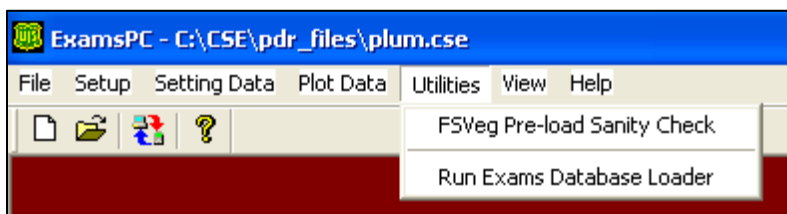


- Step 1.10** On the left portion of the screen, select `My_last_name.cse`. Select the right-pointing arrow. The file is copied from the PDR to the PC. If the file already exists on the PC, a pop-up window will ask if you want to replace it.
- Step 1.11** Close the transfer window by clicking on the Quit button on the bottom of the window.
- Step 1.12** Verify that the transfer was successful by selecting “File Open,” then select the “`My_last_name.cse`” file.
- Step 1.13** Check that your data has been transferred. To do this, select “plot data/tree data” and confirm the actual setting and trees have been moved over.
- Step 1.14** Check that the Sample Design connected to the setting (not the default sample design) has the correct BAF and/or fixed plot size.
- Step 1.15** Fill in any missing setting level data such as the setting slope, aspect, elevation, existing and potential vegetation type, and the setting capable growing area.
- Step 1.16** Edit the exam level value on the setting form to reflect what data you actually took and the level at which you took the data.
- Step 1.17** Disconnect the serial or USB cable from the PDR. This will break ActiveSync’s connection to your PC.
- Step 1.18** All data should be backed up until it has been loaded onto the server. Back-up PDR data onto a compact flash disk, and backup data stored on the PC to a CD.

STEP 2: CHECK THE DATA FOR ERRORS

Step 2.1 From the ExamsPC main menu, select “Utilities,” then “FSVeg Preload Check,” as shown in [Figure 4](#).

Figure 4: Utilities drop-down menu



Step 2.2 The utility will process each setting in the current file and look for:

- a. Trees that do match a sample design or selection criteria
- b. Species of management interest that are not in your TAXA list
- c. Tree species that are not in your TAXA list
- d. Veg species that are not in your TAXA list

Step 2.3 A report is printed that highlights errors. It lists the setting plot and tree number of each error.

Step 2.4 Correct all errors before continuing to [Step 3](#) below. If you need species added to the TAXA list, contact Renate Bush if you are in Region 1, or Kathy Sleavin if you are in any other region.

STEP 3: OBTAIN A REPORT OF THE DATA

Step 3.1 From the ExamsPC main menu, select “Utilities” then “Run Exams Database Loader” as shown in [Figure 5](#).

Figure 5: Utilities/Run Exams Database Loader



Step 3.2 Select each setting to be included in the report, and then select “Data Report,” as shown in [Figure 6](#).

Figure 6: Exams Database Loader

Exams Database Loader - Version 2.6.0.5

Available		Selected	
Setting	Date	Setting	Date
051753ABCD0003	06/19/2009	051753ABCD0001	06/18/2009
051753ABCD0008	06/16/2009		
051753ABCD0009	06/15/2009		
051753ABCD0010	06/10/2009		
051753ABCD0014	06/18/2009		
051753ABCD0015	06/16/2009		
051753ABCD0018	06/15/2009		
051753ABCD0020	06/17/2009		

Navigation buttons: >, >>, <, <<

Action buttons: Close, Data Report, Load Data, Load Report, Trace Log

Step 3.3 The report will appear on the screen, as shown in [Figure 7](#), and can be printed or saved to a file.

Figure 7: Report example

SETTING = 0820043700001 - 01/23/2007
 Proc Region Proc Forest Admin Region Admin Forest District Location Stand Owner
 08 20 08 10 04 370 0001 USFS

Project Name Examiner Date Exam Level Purpose Precision State County
 GILLIAN OWENS 01 01/23/2007 1000 QP CSE AR 071

Acres PhotoId Strat ExtVrf ExtVeg Struc CGM% FuM Elev Asp Slp SLPos RaG1 RaG2 Htg PotVrf PotVeg
 10 5

Remarks

SAMPLE DESIGN & SELECTION CRITERIA

TREE Method	ExpFactor	Azimuth	Selcrit#	Filter	Subpop	MinValue	MaxValue	Remarks
BAF	10.00		1	ALL	DBH	4.50	999.99	
FRQ	100.00		2	LIVE	DBH	0.01	4.49	
FRQ	1000.00		3	LIVE	HGT	0.05	4.49	

PLOT MEASUREMENT

Plot	LatD	LatM	LatS	LonD	LonM	LonS	CaGK	Asp	Slp%	SP	SH	SV	Elev	ExtVeg	PotVeg	FuM	ResDCode	Sdwa	UseF
1																			

Remarks

STEP 4: LOAD THE DATA INTO FSVEG

Step 4.1 From the ExamsPC main menu, select “Utilities” then “Run Exams Database Loader,” as shown in [Figure 8](#).

Figure 8: Utilites/Run Exams Database Loader



Step 4.2 Select each setting to be loaded into FSVEg, then select “Load Data,” as shown in [Figure 9](#).

Figure 9: Exams Database Loader

Exams Database Loader - Version 2.6.0.5

Available		Selected	
Setting	Date	Setting	Date
051753ABCD0003	06/19/2009	051753ABCD0001	06/18/2009
051753ABCD0008	06/16/2009		
051753ABCD0009	06/15/2009		
051753ABCD0010	06/10/2009		
051753ABCD0014	06/18/2009		
051753ABCD0015	06/16/2009		
051753ABCD0018	06/15/2009		
051753ABCD0020	06/17/2009		

Navigation buttons: > >> < <<

Action buttons: Close, Data Report, Load Data, Load Report, Trace Log

Step 4.3 Select "Continue," as shown in [Figure 10](#).

Figure 10: File transfer window

*****WARNING*****

This is a United States Department of Agriculture computer system, which may be accessed and used only for official Government business (or as otherwise permitted by regulation) by authorized personnel. Unauthorized access or use of this computer system may subject violators to criminal, civil, and/or administrative action. All information on this computer system may be intercepted, recorded, read, copied, and disclosed by and to authorized personnel for official purposes, including criminal investigations. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms.

*****WARNING*****

Buttons: Cancel, Continue

Step 4.4 Enter your eAuth User ID and Password, as shown in [Figure 11](#).

Figure 11: eAuth login

You are here: [eAuthentication Home](#) > eAuthentication Login

eAuthentication Login

LincPass (PIV) ?

CLICK HERE TO
LOG IN
WITH YOUR
LincPass (PIV)

User ID & Password ?

User ID:

Password:

[I forgot my User ID | Password](#)

REGISTER **LOGIN**

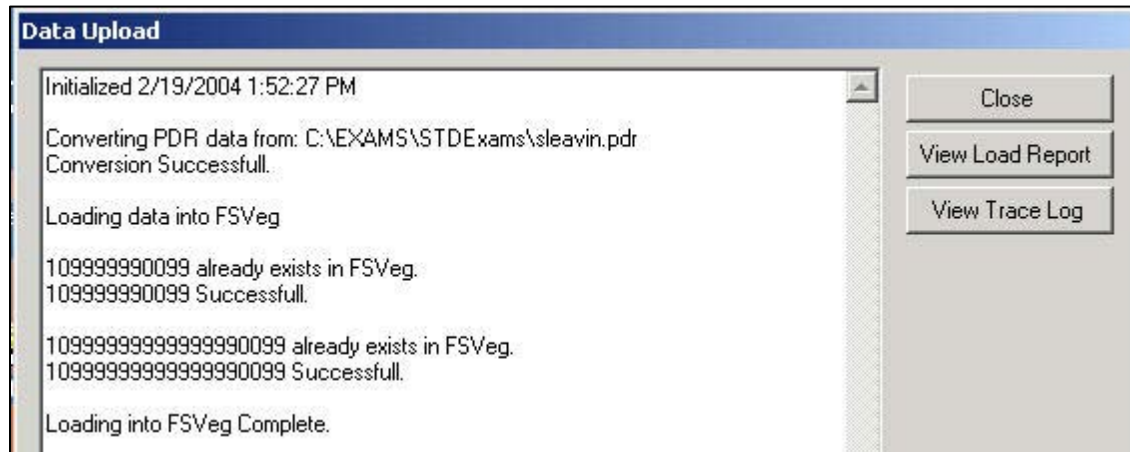
[Change my Password](#)

Step 4.5 The data is first translated into a format for loading into the database. If this has completed successfully, you will see the following message:

***Converting PDR data from C:\EXAMS\STDExams\your_last_name.pdr
Conversion successful***

If the conversion was not successful, select “View Load Report” for error messages, as seen in [Figure 12](#).

Figure 12: Data Upload window



Step 4.6 The data is then loaded into FSveg. If this has completed successfully, you will see the following message:

***Loading data into FSveg
Stand id successful
Loading into FSveg Complete***

If the conversion was not successful, select “View Load Report,” as seen in [Figure 12](#), for error messages.

Step 4.7 As the data is being loaded into the FSveg database the loader checks the Setting ID, Measurement Date, Measurement Number, Purpose Code, and Exam Level to see if a stand already exists in the database with the same values. If there is, the loader will ask if you want to delete the existing stand in the database and replace it with the one you are loading.

Step 4.8 Select “Close” to return to the ExamsPC main menu.

Step 4.9 If you have errors in your data, correct the errors, save the file, and go back to [Step 4.1](#).

BUSINESS RULES FOR FSVEG SPATIAL

CHECKING OUT DATA

In FSVEG Spatial a user can “check out” one or more locations. A user will usually do this because they plan to do some spatial editing of the polygons within that location. When a location is checked out, all the polygons (settings) within that location, and all the exams, plots, and much of the data associated with those polygons, are “locked.” This means that only the user who checked out the location(s) may edit much of this data. If a location is checked out, the following rules apply to any polygons (settings) that are within the location:

- A new exam cannot be added to a setting in the location
- A new plot cannot be added to an existing exam in that location
- An existing exam cannot be deleted from that location
- An existing plot cannot be deleted from an existing exam in that location
- Exams in that location cannot be reloaded via the PDR
- Existing exams and plots in that location cannot have the following key values modified:
 - Proclaimed Region
 - Proclaimed Forest Service
 - District
 - Location
 - Stand number
 - Purpose code
 - Sample design tree
 - Sample design veg
 - Sample design down woody
 - Measurement date
 - Archive flag
 - Plot number

CHECKING IN DATA

In FSVEg Spatial, once the user is finished with their edits, they check the data back in so that it can become available to others to use. While the data is being checked back into FSVEg Spatial, the whole forest is locked from any updates, deletions, or edits via the Oracle forms only. This process may take about 10 minutes. A message will appear telling the user what is happening and asking them to try again in about 10 minutes. Once the data has completed the check-in process, normal FSVEg activity may resume.

FEATURE CLASS

This layer contains the stands and/or points related to the stand exams.

SPATIAL_LINK FIELD

This field identifies whether the setting is linked to a spatial feature. The valid values are shown in [Table 1](#).

Table 1: Valid values for the Spatial_link field

Value	Description
Null	Default, record has never been linked to the feature class.
Y	Record is currently linked to the feature class.
N	Record should never be linked to the feature class, so do not show it in the list of possible records to link. The user must set this; it is never a default setting. An example might be research-related exams that would never be linked to the stand feature class.
H	Record was historically linked to the feature class, but is not currently linked. This might be for an old, outdated exam which has been replaced by a newer exam.
A	Record was never linked to the feature class and is now archived.

1. A stand may have some plots geo-referenced and some that are not geo-referenced. If a stand has a plot that is geo-referenced incorrectly (i.e., outside the polygon boundary) it will never be able to be correctly linked to that stand's polygon in the stand feature class.
2. In FSVEg Spatial, if a polygon is altered (split, merged, etc.) the exam associated with this spatial polygon is archived, the archive flag on the setting record is set, and the archive date is set to today's date on both the setting and the plot record.

3. If a location is not checked out and the exam is historically spatially linked:
 - a. An exam can be reloaded via the PDR
 - b. Exams and plots can be deleted
 - c. Plots can be added but the spatial link will be null
 - d. Any of the key values listed can be edited
4. If a location is not checked out and the exam is currently spatially linked:
 - a. Existing exams cannot be reloaded via the PDR
 - b. If a change occurs to any of the following values, the exam will be unlinked and the spatial_link value set to "H" for "historical"
 - i. Proclaimed region
 - ii. Proclaimed forest
 - iii. District
 - iv. Location
 - v. Stand number
 - c. New plots can be added, but they will not be spatially linked
 - d. If an exam is deleted, it is unlinked and all of its plots are unlinked. The spatial plots are not deleted from the feature class.
 - e. If a plot is deleted, it is unlinked but not deleted from the feature class
5. If a location is not checked out and the exam is currently spatially linked and if the Archive Flag is turned from off to on (archived), then:
 - a. If the setting is linked: the setting is unlinked, the archive date is updated and the spatial link is set to "H" on the setting records
 - b. If the setting is not linked: the archive date is updated and the spatial link is set to "A" if it is null, otherwise is not changed
 - c. If the plots are not linked: the spatial link and the archive date are not changed
 - d. If the plots and the stands are linked: the plots are unlinked, the archive date is updated, and the spatial link is set to "H" on the plot records
 - e. If only the plots are linked: nothing is changed on the plot records

6. If a location is not checked out and if the Archive Flag is turned from on to off (un-archived), then:
 - a. On the setting record: the archive flat and archive date are set to null, if the spatial link is an "A" it is set to null, otherwise it is left as-is
 - b. On linked plots: the archive date is set to null, if the spatial link is an "A" it is set to null, otherwise it is left as-is
 - c. Where only the plots are linked: nothing is changed on the plot records

MERGING MULTIPLE PDR FILES INTO ONE FILE

This option allows two separate data files to be merged into one file.

- Step 1.** From ExamsPC, open the .CSE file you want to move data into (File A).
- Step 2.** From the ExamsPC main menu, select “File,” then “Merge.”
- Step 3.** Select the file you want to move data from (File B).
 - a. If there are settings in File B that were not originally in File A, they will be copied to File A.
 - b. If there is a setting in File B that also exists in File A, but the data in File B has different plot numbers, the plots from File B will be added to the identical setting in File A.
 - c. If there is a setting in File B that also exists in File A, and the data in File B has the same plot numbers as those in File A, you will have the option to replace the plot data in File A with that in File B of the same setting and plot number.

USING DATA FILES FROM A CD

If you receive PDR files and/or folders that have been placed on a CD (i.e., from a contractor), the files may have “Read-only” attributes or properties. To edit these files, you must do the following:

- Step 1.** Copy the files and/or folders from the CD to your PC.
- Step 2.** In Windows Explorer, highlight the copied file(s) or folder(s) you wish to use. Right-click on the highlighted file(s) or folder(s). A pop-up menu will appear.
- Step 3.** Select “Properties” at the bottom of the pop-up menu.
- Step 4.** In the “General” section of the menu, find the “Attributes” area at the bottom of the screen. If the “Read-only” box is checked, remove the check mark.
- Step 5.** Select “Apply,” then “OK.”

DATABASE ROLES

There are four “roles” a user may have when accessing information stored in the FSveg database, as described in [Table 2](#).

Table 2: Description of database roles

Role	Description
Public	This is the default role, automatically granted to any Forest Service user. Users with the public role may only view the data, they cannot update or alter existing data or insert new data.
NRV_Data_Collector	Users with this role may view the data, insert new data into the database, and edit existing data. Down woody, ground surface cover, vegetation composition, and sample design records may be deleted, one record at a time.
NRV_Wizard	Users with this role may view, edit, insert, or delete data. Complete plots and/or settings may be deleted at one time. Users may also manage the system administration tables.
NRV_Summary	Users with this role may view, edit, insert, or delete data. Complete plots and/or settings may be deleted at one time. Users may also manage the system administration tables. In addition, users with this role may run the summary programs to populate the summary tables (NRV_characterizations and NRV_group_by tables).

To request a role or to request a new role, you must go through the [User Management Application \(UMA\)](#) process.

LOG INTO FSVeg VIA I-WEB

STEP 1: SIGN INTO I-WEB USING THE DEFAULT DASHBOARD

- Step 1.1** The interface looks best at a resolution of 1024x768. To change your resolution:
- Click the right mouse button in the windows background.
 - Select "Properties."
 - Select the "Settings" tab.
 - Set the screen resolution to 1024x768.
 - Select "OK."
- Step 1.2** From your desktop, click on Internet Explorer. In the Address block, type in: <https://iweb.fs.usda.gov/login/welcome.html>. Bookmark the [NRM Welcome page](#) in your favorites. Click on the "Default i-Web Dashboard." Then click on "Continue." Enter your eAuthentication user ID and password.
- Step 1.3** From the i-Web main menu, click on the "+" sign next to "NRIS" on the left-hand side, then click on "FSVeg" directly under NRIS. On the right-hand side, click on "FSVeg" under the forms menu, as shown in [Figure 13](#).

Figure 13: I-Web Main Menu

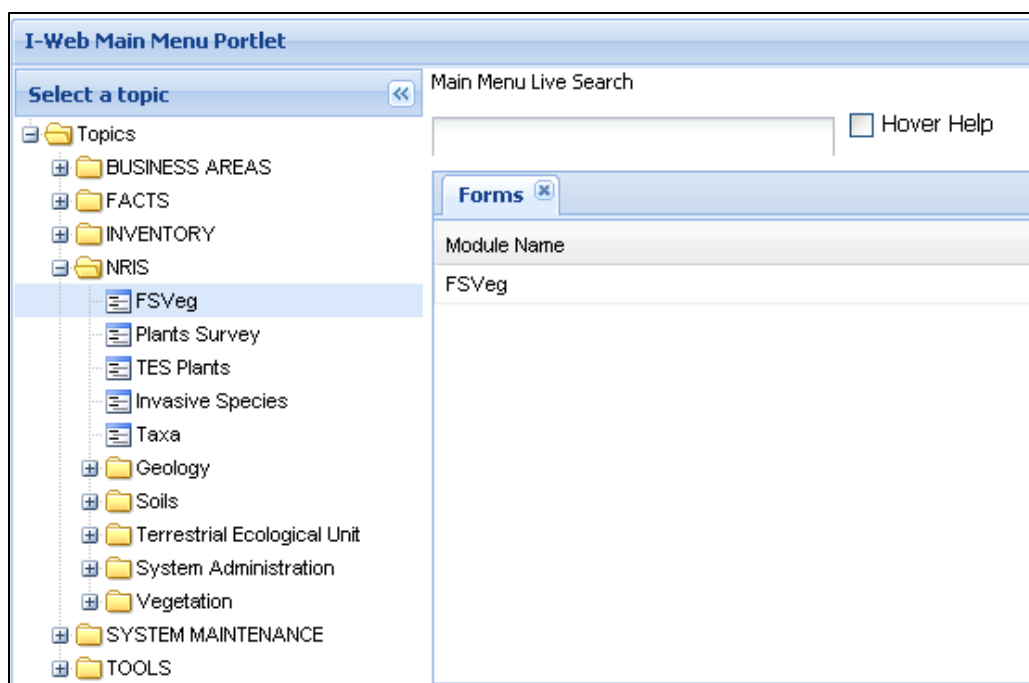


Figure 14: Main FSVeg screen

The menu bar at the top of the screen has the functionality outlined in [Table 3](#).

Table 3: Main FSVeg screen functionality

Menu Item	Option	Description
File	Close	Close the form and return to the previous form
File	Print	Print a copy of the current form
File	Exit	Exit the form and return to the previous form
Help	NRIS FSVeg on FSWeb	Launch the NRIS FSVeg homepage
Help	Display Error	Display information about any Oracle errors
Help	About	Information about FSVeg

There are three icons in the top tool bar, as identified in [Figure 15](#), [Figure 16](#), and [Figure 17](#).

Figure 15: Icon to close FSVeg and return to i-Web



Figure 16: Icon to print a copy of the current form



Figure 17: Icon to access the NRIS FSVeg web page



STEP 2: SELECT THE SESSION ADMINISTRATIVE UNIT

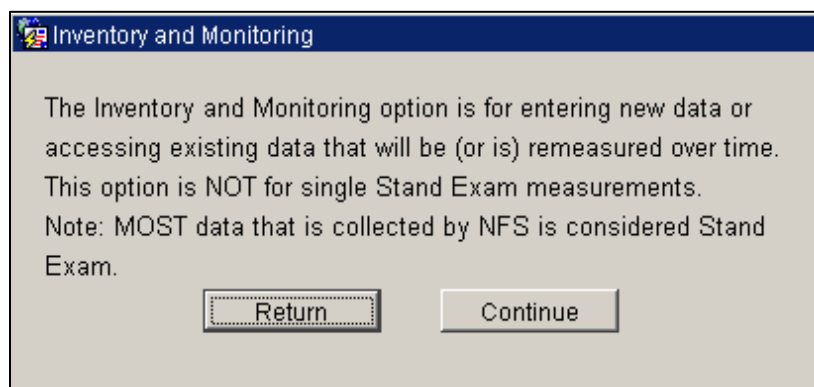
From the FSVeg main screen, select the administrative unit to use during this session of FSVeg. For many users of FSVeg there will be only one choice—your Region and Forest. Some users, however, work across multiple Regions and/or Forests and need to select the Region/Forest combination to use for this session. All data may be viewed and used in reports, but only data that matches the selected administrative unit may be deleted, edited, or entered by the user during a session.

Figure 18: Session Admin Unit selection



You will also have to identify whether you want to access this data via the “CSE” or “Inventory and Monitoring” path. If you click on the “Inventory and Monitoring” button, you will get the window shown in [Figure 19](#).

Figure 19: Inventory and Monitoring message window



The default in this window is set to the “Return” button which takes you back to the main FSVeg Welcome screen, as seen in [Figure 14](#). Clicking on the “Continue” button in the Inventory and Monitoring message window will load the familiar CSE Settings form; however, you will notice a few things are different.

While this form shown in [Figure 20](#) looks like the standard CSE Settings Form, you will notice that in the title bar it says “FSVeg Inventory and Monitoring.” Additionally, the

Measurement Number field is now active and editable, where it is grayed out in the CSE version of this form.

Figure 20: FSVeg Inventory and Monitoring Setting Form

One final note about the screen in [Figure 20](#)—when accessing the Search utility, only “IM” settings will be searched for. Using the CSE form will allow you to perform other searches.

STEP 3: CHECK YOUR TAXA LISTS

From the FSVeg main menu, select the “Rest Taxa Lists” button and check to make sure that the Taxa lists shown are the correct lists to use. If not, select the “Reset” button, as shown in [Figure 21](#), to reset the lists back to your VPD unit lists.

Figure 21: Taxa list information and Reset button

The main use of this form is when you are from a combined Forest that may contain two separate Taxa lists, one from each Forest. An example is the Fremont-Winema National Forest. When a user from a combined Forest first enters FSveg, they will be asked which list they want to use.

The user then selects which list to use for each of the Forbs, trees, shrubs, etc., as shown in [Figure 22](#). To reset these lists, select the “Reset Taxa Lists” button from the main CSE form.

Figure 22: List of Forbs

List Name
R06F02_forb
R06F20_forb

STEP 4: NAVIGATE TO THE CSE FORMS

Access the Common Stand Exam (CSE) forms by selecting the “CSE” button on the right-hand side of the main FSveg screen. These forms mimic the CSE field paper forms and can be used to enter new data. In addition, they can be used to view and edit data that already resides in the FSveg database.

Figure 23: CSE Setting Form

The screenshot shows the 'Setting Form' window. At the top, there's a title bar with the text 'FSveg CSE KSLEAVIN9@webdevm Session Admin Unit: 0102 BEAVERHEAD-DEERLODGE NATIONAL FOREST'. Below the title bar is a menu bar with 'File', 'Edit', 'Query', and 'Record'. The main area of the form is divided into several sections. The top section has a 'Setting Id' field and a 'Project Name*' field, followed by a 'Search Filter' and a 'Search' button. Below this are several rows of input fields for location and exam details, including 'Proc. Region*', 'Proc. Forest*', 'District*', 'Location*', 'Stand*', 'Owner*', 'State', 'County', 'Admin Region', 'Admin Forest', 'Date* (mm/dd/yyyy)', 'Photo Id', 'Exam Level*' (with sub-fields Tree, Veg, DW, SC), 'Exam Purpose', 'Stratum', 'Ev Ref Code', 'Ev Code', 'Potential Veg. Reference', and 'Potential Veg.'. The next section contains 'Structure', 'Capable Grow%', 'Fuel Model', 'Elevation', 'Aspect', 'Slope', 'Position', 'Acres', and 'Examiner'. Below that are 'Radial Growth Interval', 'Radial Growth Interval #2', 'Height Growth Interval', 'Fuel Photo Reference', 'Precision Protocol', and a large 'Remarks' text area. The bottom section has three columns for 'Damage Category', 'Damage Agent', and 'Damage Severity', each with a list of items and arrows for selection. To the right of these is a 'Species of Mgt. Interest' list. At the very bottom, there's a 'User Code' field and 'Design' and 'Plot' buttons. A status bar at the bottom left says 'Record: 1/1' and 'Search for all Setting IDs which match the current set of Preferences.'

The menu bar at the top of the form has the functionality outlined in [Table 4](#), [Table 5](#), [Table 6](#), and [Table 7](#).

Table 4: File menu options

Option	Description
Close	Close the form and return to the previous form
Save	Save all changes made to the current form

Option	Description
Print	Print a copy of the current form
Preferences	Access the user preferences form
Exit	Exit the current form and return to the previous form

Table 5: Edit menu options

Option	Description
Copy	Copy the highlighted values and place them on the clipboard
Clear All	Clear all entries in the current form
Edit	Access a pop-up screen; editing can be done in the pop-up screen or directly in the form field
Insert	Insert the current record into the database
Delete	Delete the current record from the database, including all data associated with record and all child records related to this record; FSveg Wizard role is required to delete settings or plot records
Clear Record	Clear all entries in the current form; data is saved but not displayed
Duplicate Record	Duplicate the current record to the next record; this option only works on a blank record—it duplicates the previous record, but will create a new CN number if needed

Table 6: Query menu options

Option	Description
Cancel Query	Cancel the current query

Table 7: Record menu options

Option	Description
First Record	Move to the first record
Previous	Move to the previous record
Next	Move to the next record
Last Record	Move to the last record

The tool bar at the top of the screen includes the icons shown in in the following Figures:

Figure 24: Exit the current form and return to the previous form



Figure 25: Save all changes made to the current form



Figure 26: Print a copy of the current form



Editing can be done in the pop-up screen accessed via the button shown in [Figure 27](#), or directly in the form field.

Figure 27: Access a pop-up screen



Figure 28: Insert the current record into the database



When you click on the Delete button, as shown in [Figure 29](#), the current record is deleted, including all data associated with the record and all child records related to this record. The FSVeg_Wizard role is required to delete setting or plot records.

Figure 29: Delete the current record from the database



Figure 30: Clear all entries in the current form, data is saved but not displayed



Figure 31: Enter a query to search for a specific code



Figure 32: Execute a query to search for a specific code



Figure 33: Cancel the query



Figure 34: Move to the first record



Figure 35: Move to the previous record



Figure 36: Move to the next record



Figure 37: Move to the last record



Figure 38: Access the NRIS FSveg web page



The down arrow button next to a field, as shown in [Figure 39](#), is called a “List of Values” (LOV) button. This button produces a scrolling list of valid values for that field. Values may be typed in or selected from the LOV choices, as shown in [Figure 40](#). Place the cursor in the field of interest before the LOV button is pressed to return control to the field of interest after exiting from the LOV screen.

Figure 39: LOV button

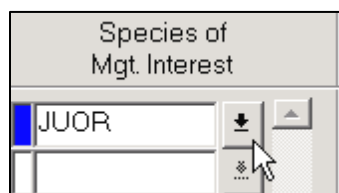
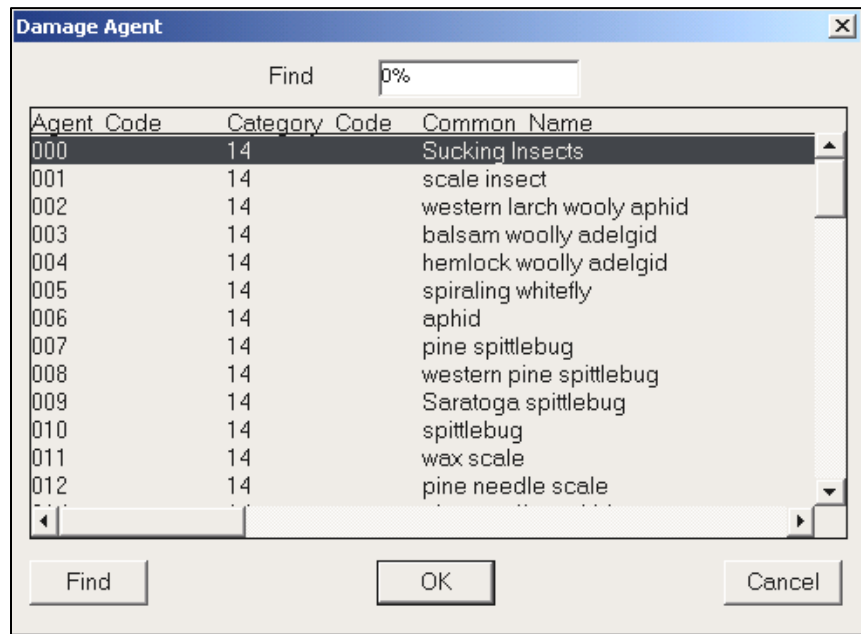
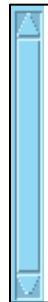


Figure 40: Example LOV Table



The bar on the right, as shown in [Figure 41](#), slides up or down to access records that do not currently show up on the form.

Figure 41: scroll bar



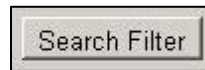
If the list is long, a value can be located using the "Find" button. Enter in the complete value, or use the "%" character as a wild card. For example, to find all values that begin with "F" do the following:

1. Place the cursor in the "Find" field in front of the % wild card.
2. Type an "F" before the % wild card.
3. Select "Find" at the bottom of the screen.
4. All values that begin with "F" will be shown. Choose a value and select "OK."
5. To display all the values again, remove the "F" from in front of the % wildcard, in the "Find" field, and select "Find." All values will re-appear.

STEP 5: HOW TO FIND YOUR DATA

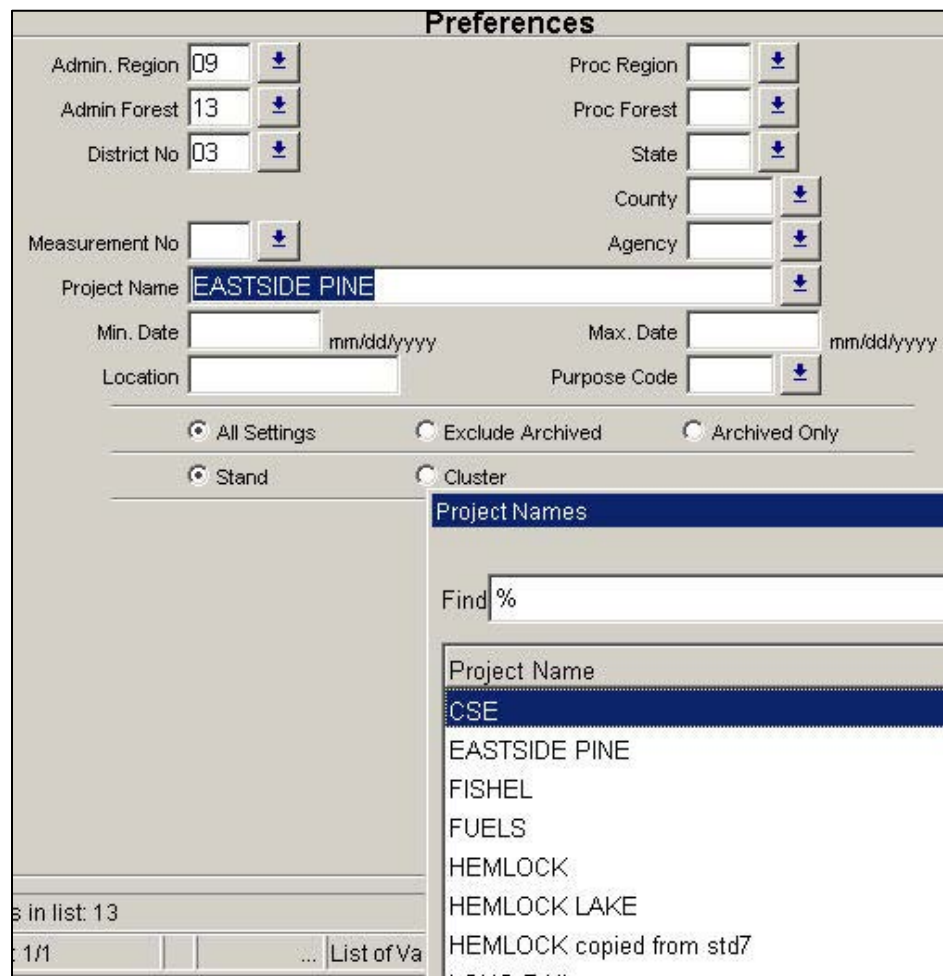
Step 5.1 From the FSVeg Main Menu, click on the “CSE” button, then click on the “Search Filter” button as shown in [Figure 42](#).

Figure 42: Search Filter button



Step 5.2 Fill in the MINIMUM amount of data required to find your data. This is usually Region, Forest, District, and Project Name, as shown in [Figure 43](#). Use the LOV to find the project name.

Figure 43: Preferences form



Step 5.3 Select the Close button at the bottom of the screen.

Step 5.4 From the Setting Form, select the Search button and scroll down until you find your stand. Highlight it, as shown in [Figure 44](#), and click the OK button.

Figure 44: Stand highlighted

Setting Id	Region Proc	Forest Proc	Region Admin	Forest Admin	District No	Location	Stand	Project Name
090603020020014	09	06	09	13	03	02002	0014	EASTSIDE PINE
090603020250029	09	06	09	13	03	02025	0029	EASTSIDE PINE
090603020260002	09	06	09	13	03	02026	0002	EASTSIDE PINE
090603020270004	09	06	09	13	03	02027	0004	EASTSIDE PINE
090603020270010	09	06	09	13	03	02027	0010	EASTSIDE PINE
090603020330013	09	06	09	13	03	02033	0013	EASTSIDE PINE
090603020330028	09	06	09	13	03	02033	0028	EASTSIDE PINE
090603020340001	09	06	09	13	03	02034	0001	EASTSIDE PINE
090603020340023	09	06	09	13	03	02034	0023	EASTSIDE PINE
090603020340045	09	06	09	13	03	02034	0045	EASTSIDE PINE

Find OK Cancel

CROSSWALK TO FSVEG

SETTING FORM

Table 8: Setting form crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Project Name	Setting_Measurements	Project_Name = User entered project name
Proclaimed Region	Setting_Measurements	Region_Proc = User entered Proclaimed Region number Setting_Id = First 2 digits of the setting ID is set to the Proclaimed Forest number
Proclaimed National Forest	Setting_Measurements	Forest_Proc = User entered Proclaimed National Forest number Setting_Id = Third and fourth digits of the setting ID is set to the Proclaimed National Forest number
District	Setting_Measurements	District_No = User entered District number Setting_Id = Fifth and sixth digits of the setting ID is set to the District number
Location	Setting_Measurements	Location = User entered location Setting_Id = Location value is placed in the setting ID starting with the seventh digit; since the length of the location is variable, the length of the setting ID can be variable
Stand	Setting_Measurements	Level_1_Id = User entered stand number Level_1_alias = Automatically set to "STAND" Setting_Id = last 4 digits of the setting ID is set to the stand number
Owner	Setting_Measurements	Agency = User entered Owner code; default is USFS Owner = User Entered Owner code; default is USFS
State	Setting_Measurements	State = User entered State code
County	Setting_Measurements	County = User entered County code

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Administrative Region	Setting_Measurements	Region_Admin = User entered administrative Region number
Administrative Forest	Setting_Measurements	Forest_Admin = User entered administrative Forest number; if left blank, it is populated with Proclaimed Forest number
Date	Setting_Measurements	Measurement_date = User entered date Date_accuracy = Automatically set to "DAY" Measurement_No = Automatically set to "1"
Photo ID	Aerial_Photos	Photo_Id = User entered photo ID Photo_Project = Automatically set to fields 1-10 of the photo ID Photo_Roll = Automatically set to fields 7-10 of the photo ID
Photo ID	Setting_Measurements	Photo_Exposure = Automatically set to fields 11-14 of the photo ID Airph_CN = Automatically set to the CN to link to the aerial photos table
Exam Level – Tree	Setting_Measurements	Sample_Design_Tree = User entered exam level for tree data
Exam Level – Veg	Setting_Measurements	Sample_Design_Veg = User entered exam level for veg data
Exam Level – DW	Setting_Measurements	Sample_Design_dw = User entered exam level for down woody data
Exam Level – SC	Setting_Measurements	Sample_Design_sc = User entered exam level for the surface cover data
Exam Purpose	Setting_Measurements	Purpose_Code = User entered purpose code; the default is SE
Stratum	Setting_Measurements	Stratum = User entered stratum code
Existing Vegetation Reference	Setting_Measurements	EV_Ref_Code = User entered existing vegetation code
Existing Vegetation	Setting_Measurements	EV_Code = User entered existing vegetation code

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Potential Vegetation Reference	Setting_Measurements	PV_Ref_Code = User entered potential vegetation reference code
Potential Vegetation	Setting_Measurements	PV_Code = User entered potential vegetation code
Structure	Setting_Measurements	Structure = User entered structure code
Capable Growing Area %	Setting_Measurements	Capable_Grow_Area_Pct = User entered Capable Growing Area percentage
Fuel Model	Setting_Measurements	Fuel_Model = User entered fuel model code
Elevation	Setting_Measurements	Elevation = User entered setting elevation
Aspect	Setting_Measurements	Aspect = User entered setting aspect
Slope	Setting_Measurements	Slope = User entered setting slope
Slope Position	Setting_Measurements	Slope_Position = User entered setting slope position
Acres	Setting_Measurements	Setting_Size = User entered acres
Radial Growth Interval	Setting_Measurements	Radial_Growth_Interval = User entered radial growth interval value; default is 10 years
Radial Growth Interval 2	Setting_Measurements	Radial_Growth_Interval_2 = User entered radial growth interval 2
Height Growth Interval	Setting_Measurements	Height_Growth_Interval = User entered height growth interval; default is 5 years
Fuel Photo Reference	Setting_Measurements	Fuel_Photo_FK = Foreign key to NRV_Fuel_Photo_Ref; the foreign key will point to the user entered Fuel Photo Reference number in that table
Precision Protocol	Setting_Measurements	Meas_Std_Id = Foreign key to NRV_Measurements_Standards; the foreign key will point to the user entered precision protocol value
Examiner	Setting_Measurements	Measurement_Organization = User entered examiner
Remarks	Setting_Measurements	Remarks = User entered setting remarks

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Damage Category	Setting_Disturbances	Category_Code = User entered setting damage code; a code of "99 Physical Effects," implies that the agent and severity will be loaded in the effects tables.
Damage Agent	Setting_Disturbances	Agent_Code = User entered setting agent code if the damage category is not "99"
Damage Agent	Physical_Effects	Effect_Code = User entered setting agent code if the damage category is "99"
Damage Severity	Setting_Disturbances	Severity_Rating_Code = User entered setting severity if the damage category is not "99"
Damage Severity	Physical_Effects	Effects_Severity = User entered setting severity if the damage code is "99"
Species of Management Interest	Cover_Measurements	Species_Symbol = User entered setting species of management interest code Presence_Flag = Automatically set to "P"
User Code	Data_Code_Setmeas	Data = User entered code Setmeas_cn = CN of the setting record Dcdesc_cn = Automatically set to the CN in NRV_Data_Code_Description table
User Code	Data_Code_Description	Data_Description = Automatically set to "Generic setting code for CSE usage" Data_Code_Table = Automatically set to "NRV_DATA_CODE_SETMEAS" Data_ID = Automatically set to "CSE GENERIC SETTING CODE"
User Code	Setting_Measurements	Setting_ID = Automatically set to a concatenation of Region, Forest, District, Location, and Stand
User Code	Setting_Measurements	Recent_Mortality_Years = Automatically set to 5 years
User Code	Setting_Measurements	Loader_Version = Automatically set to "FRM_2.1.0" or "PDR2.1.0"
User Code	Setting_Measurements	Level_1_alias = Automatically set to "STAND"

CSE Field Name	FSVeg Table Name	FSVeg Column Name
User Code	Setting_Measurements	Level_2_alias = Automatically set to "PLOT"
User Code	Setting_Measurements	I_m_flag = Null for CSE exams; "Y" for exams that will be measured multiple times

CSE Field Name	FSVeg Table Name	FSVeg Column Name
User Code	Setting_Measurements	GIS link= - If the proclaimed Region is 3 or 4, this is set to: STAND record = Location (6 characters) Stand (4 characters) Proclaimed Forest PLOT record = Location (6 characters) Stand (4 characters) Proclaimed Forest Plot number (3 digit) Year (4 digit) - If the proclaimed Region is 8, this is set to: RFFDDLSSS, where: R = '8' (one digit); FF = 2-digit forest_admin; DD = 2-digit district_no; LLLL = 4 digit location, left padded with zeros if necessary; SSS = 3-digit stand number, acquired using the code: substr(lpad(trim(level_1_id),4,'0'),2,3) If any of the columns that make up the gis_link are null, the gis-link is NOT populated. It is also NOT populated if there is any character in level_1_id, or if level_1_id is zero. - If the proclaimed Region is 9, this is set to: Proclaimed Region Administrative Forest District Location (5 characters) Stand (3 characters) - If the proclaimed Region is 10, this is set to: Stand Record= LLLLLSSSS, where LLLL = left 5 characters from location column and SSSS = level_1_id, left padded with zeroes to four digits if necessary Plot Record = LLLLLSSSSXXXMMYYYY, where LLLLL = left 5 characters from location column, SSSS = level_1_id, left padded with zeroes to four digits if necessary, XXX = level_2_id, left padded with zeroes to three digits if necessary, MM = month from measurement_date, YYYY = year from measurement_date If any of the fields that make up the gis_link are null, zeroes are used.

SAMPLE DESIGN FORM

Table 9: Sample design form crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Sample Select Method Type	Sample_Designs	Selection_Method_Type = user entered sample selection method type
Sample Expansion Factor	Sample_Designs	Sample_Expansion_Factor = user entered sample expansion factor
Plots Installed	Plot_Counts	Plots_Installed = automatically set to the total number of plots installed for each sample design
Subpopulation Filter	Selection_Criteria	Subpop_Code_Value = user entered subpopulation filter value
Starting Azimuth	Sample_Designs	Transect_Azimuth = user entered starting azimuth for transects
Sample Design Remarks	Sample_Designs	Remarks = user entered remarks for each sample design
Selection Criteria Number	Selection_Criteria	Selection_Criteria_No = user entered selection criteria number
Subpop Variable	Selection_Criteria	Subpop = user entered subpopulation variable
Subpop Min. Value	Selection_Criteria	Subpop_Min_Value = user entered subpopulation minimum value
Subpop Max. Value	Selection_Criteria	Subpo_Max_Value = user entered subpopulation maximum value

PLOT DATA FORM

Table 10: Plot data form crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Plot Number	Setting_Measurements	Level_2_Id = user entered plot number Level_2_alias = automatically set to "PLOT"
Plot Latitude	Setting_Measurements	Latitude_Deg = user entered degrees Latitude_Min = user entered minutes Latitude_Sec = user entered seconds Georeference_Method = automatically set to "GEODETIC" at the parent setting record
Plot Longitude	Setting_Measurements	Longitude_Deg = user entered degrees Longitude_Min = user entered minutes Longitude_Sec = user entered seconds
Capable Growing %	Setting_Measurements	Capable_Grow_Area_Pct = user entered plot capable growing area percent
Aspect	Setting_Measurements	Aspect = user entered plot aspect Declination = automatically set to "999" for True
Slope	Setting_Measurements	Slope = user entered plot slope
Slope Position	Setting_Measurements	Slope_Position = user entered plot slope position
Slope Horizontal Shape	Setting_Measurements	Slope_Shape_Horiz = user entered plot slope horizontal shape
Slope Vertical Shape	Setting_Measurements	Slope_Shape_Vert = user entered plot slope vertical shape
Elevation	Setting_Measurements	Elevation = user entered plot elevation
Existing Vegetation	Setting_Measurements	EV_Ref_Code = automatically set to the existing vegetation reference specified on the setting form EV_Code = user entered plot existing vegetation code

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Potential Vegetation	Setting_Measurements	PV_Ref_Code = automatically set to the existing vegetation reference specified on the setting form PV_Code = user entered plot potential vegetation code
Plot History	Setting_Histories	History_code = user entered plot history code(s)
Plot History Date	Setting_Histories	History_Date = user entered plot history date for each history code Date_Accuracy = automatically set to "YEAR"
Fuel Model	Setting_Measurements	Fuel_Model = user entered plot fuel model
Residue Descriptive Code	Setting_Measurements	Fuel_photo_fk = fuel_photo_cn of the nrv_fuel_photos record whose residue_desc_code = user entered residue description code
Distance to Seed Wall	Setting_Measurements	Seed_Wall_Distance = user entered plot distance to the seed wall
Remarks	Setting_Measurements	Remarks = user entered plot remarks
User Code	Data_Code_Setmeas	Data = user entered code Dcdesc_CN = automatically set to the CN in nrv_data_code_description table
User Code	Data_Code_Description	Data_Description = automatically set to "generic plot code for CSE usage" Data_Code_Table = automatically set to "nrv_data_code_setmeas" Data_ID = automatically set to "CSE generic plot code"

CSE Field Name	FSVeg Table Name	FSVeg Column Name
User Code	Setting_Measurements	GIS link = - If the proclaimed Region is 2, 3, or 4, this is automatically set to: Location (6 characters) Stand (4 characters) Proclaimed Forest Plot (3 characters) Measurement Year (MMYYYY) for a total of 19 characters - If the proclaimed Region is 10, this is automatically set to: Location (5 characters) Stand (4 digits) Plot (3 digits) Measurement Year (MMYYY) for a total of 18 characters

WITNESS TREE/NAVIGATION FORM

Table 11: Witness tree/navigation form crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Monument Type	Nrv_reference_points	Monument_type = "X" or "Y" only
Witness Type	Nrv_reference_points	Witness_type = user selected values from LOV; validated from nrv_witness_types
Tag ID	Nrv_reference_points	Tag_ID = the tree number from the tree form, if a witness tree is also a measured tree
Species	Nrv_reference_points	Species_symbol = witness tree species
Diameter	Nrv_reference_points	Diameter = user entered witness tree diameter
Diameter Method	Nrv_reference_points	Diameter_method = "M" only populated if a diameter is entered
Diameter Height	Nrv_reference_points	Diameter_height = 4.5 if user enters DBH toggle and a diameter is entered; = 0 if user enters DRC and a diameter is entered
Azimuth	Nrv_reference_points	Azimuth = user entered azimuth value
Slope Distance	Nrv_reference_points	Distance = user entered distance value
Slope Distance Method	Nrv_reference_points	Distance_method = "UF"
Remarks	Nrv_reference_points	Remarks = user entered remarks

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Travel Description	Nrv_reference_points	Travel_desc = user entered information about the travel route
Plot Navigated From	Nrv_reference_points	Plot_navigated_from = user entered plot number of the last plot visited
Azimuth From Navigated Plot	Nrv_reference_points	Azimuth_from_navigated_plot = user entered azimuth from the last plot visited
Distance From Navigated Plot	Nrv_reference_points	Distance_from_navigated_plot = user entered distance from the last plot visited

TREE DATA FORM

Table 12: Tree data form crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Tag ID	Tree_Measurements	Tag_Id = user entered tree tag ID Unique_No = automatically set to a sequential number unique within a setting
Tree Status	Tree_Measurements	Tree_status = user entered tree status Down_flag = automatically set to "Y" if status = X Live_Dead = automatically set to "D" Live_Dead = automatically set to "L" if status = L
Tree Class	Tree_Measurements	Tree_Class = user entered value
Site/Growth Trees	Tree_Measurements	Growth_Sample_Tree_Flag = "Y" if this field is G or B Site_Tree_Flag = "Y" if this field is S, B, or F Off_Plot_Flag = "Y" if this field is F TPA_Equiv = NULL if this field is F BA_Equiv = NULL if this field is F
Species	Tree_Measurements	Species_Symbol = user entered tree species code Life_form = automatically set to "TR"
Tree Count	Tree_Measurements	Tree_Count = user entered tree count

CSE Field Name	FSVeg Table Name	FSVeg Column Name
DBH/DRC	Tree_Measurements	Diameter = user entered diameter Diameter_Height = automatically set to “4.5” if # of stems is null Diameter_Height = automatically set to “0.0” if # of stems is ≥ 1 Diameter_Method = automatically set to “M”
Height	Tree_Measurements	Height = user entered height Height_Method = automatically set to “M” If the tree has a damage category of 99 and agent of 001, then in addition: Height_to_Break = user entered height Height_to_Break_Method = automatically set to “M”
Height to crown	Tree_Measurements	Crown_Base_Height = user entered height to crown Crown_Base_Height_Method = “M” Crown_Base_Height_Definition = “U”
Radial Growth	Tree_Measurements	Radial_Growth = user entered radial growth Radial_Growth_Method = automatically set to “M”
Radial Growth 2	Tree_Measurements	Radial_Growth_2 = user entered radial growth 2 Radial_Growth_2_Method = automatically set to “M”
Height Growth	Tree_Measurements	Height_Growth = user entered height growth Height_Growth_Method = automatically set to “M”
Tree Age	Tree_Measurements	Age = user entered tree age Age_Method = automatically set to “DM” if the DBH is greater than “3.0” and the number of stems is null Age_Method = automatically set to “TM” if the DBH is less than or equal to 3.0 or the number of stems is not null

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Crown Ratio	Tree_Measurements	Crown_Ratio = user entered crown ratio Crown_Ratio_Method = automatically set to "E" Crown_Ratio_Definition = automatically set to "C"
Crown Class	Tree_Measurements	Crown_Class = user entered crown class
Crown Width	Tree_Measurements	Crown_Width = user entered crown width Crown_Width_Method = automatically set to "EA"
Wildlife Use	Tree_Measurements	Tree_Usage = user entered wildlife usage code
Log/Snag Decay	Tree_Measurements	Log_Decay_Class = user entered value if tree status is X Snag_Decay_Class = user entered value if tree status is D Recent_Mortality_Flag = automatically set to "Y" if this value is 1
Cone Serotiny	Tree_Measurements	Cone_Serotiny = user entered cone serotiny value
Number of Stems	Tree_Measurements	No_of_Stems = user entered number of stems ONLY for DRC species
Damage Category	Tree_Disturbances	Category_Code = user entered category, EXCEPT where code 99 (physical effect) is entered; in this case, the category code remains null
Damage Agent	Tree_Disturbances	Agent_Code = user entered agent code if category is not 99 Effect_Code = user entered agent code if category is 99
Tree Part	Tree_Disturbances	Tree_Part_Code = user entered tree part
Damage Severity	Tree_Disturbances	Severity_Rating_Code = user entered code if category is not 99 Effects_Severity = user entered code if category is 99
Tree Part	Tree_Disturbances	Tree_Part_Code = user entered tree part

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Damage Severity	Tree_Disturbances	Severity_Rating_Code = user entered code if category is not 99 Effects_Severity = user entered code if category is 99
Treatment Option	Tree_Measurements	First_Treatment_Option = user entered treatment option
Remarks	Tree_Measurements	Remarks = user entered tree remarks
User Code	Data_Code_Treemeas	Data = user entered code Dcdesc_CN = automatically set to the CN in NRV_Data_Code_Description table
User Code	Data_Code_Description	Data_Description = automatically set to "Generic tree code for CSE usage" Data_Code_Table = automatically set to "NRV_Data_code_treemeas"
Azimuth	Tree_Measurements	Azimuth = user entered value
Distance	Tree_Measurements	Distance = user entered value

VEGETATION COMPOSITION DATA FORMS

Table 13: Form 1 crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Layer Code	Cover_Measurements	Layer = automatically set to appropriate code in form Lifeform_Code = automatically set to appropriate life form code Height_Class = automatically set to appropriate height class
Canopy Cover	Cover_Measurements	Cover_Percent = user entered cover percent Cover_Method = automatically set to "E"
Predominant Height	Cover_Measurements	Average_height = user entered predominant height
Predominant Diameter	Cover_Measurements	Diameter = user entered average diameter Diameter_Method = automatically set to "E" Diameter_Height = "4.5"

CSE Field Name	FSVeg Table Name	FSVeg Column Name
User Fields	Cover_Measurements	Data_Code_2 = User entered codes Data_Code_2_Definition = automatically set to "CSE USER FIELD"
Remarks	Cover_Measurements	Remarks = user entered remarks

Table 14: Form 2 crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Layer Code	Cover_Measurements	Layer = automatically set to appropriate code in form Lifeform_Code = automatically set to appropriate life form code Height_Class = automatically set to appropriate height class
Species	Cover_Measurements	Species_Symbol = user entered species symbol
Canopy Cover	Cover_Measurements	Cover_Percent = user entered cover percent Cover_Method = automatically set to "E"
Predominant Height	Cover_Measurements	Average_height = user entered predominant height
Predominant Diameter	Cover_Measurements	Diameter = user entered average diameter Diameter_Method = automatically set to "E" Diameter_Height = "4.5"
Predominant Age	Cover_Measurements	Age = user entered age Age_Method = "DE"
Maturity	Cover_Measurements	Shrub_age = user entered maturity
Shrub_Form	Cover_Measurements	Shrub_Form_Class = user entered shrub form class
User Field	Cover_Measurements	Data_Code_2 = user entered codes Data_Code_2_Definition – automatically set to "CSE USER FIELD"
Remarks	Cover_Measurements	Remarks = user entered remarks

Table 15: Form 3 crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Life Form	Cover_Measurements	Lifeform_Code = automatically set to appropriate life form code
Species	Cover_Measurements	Species_Symbol = user entered species symbol
Canopy Cover	Cover_Measurements	Cover_Percent = user entered cover percent Cover_Method = automatically set to "E"
User Field	Cover_Measurements	Data_Code_2 = user entered codes Data_Code_Definition = automatically set to "CSE USER FIELD"
Remarks	Cover_Measurements	Remarks = user entered remarks

GROUND SURFACE COVER DATA FORM

Table 16: Ground surface cover data form crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Grnd. Surf. Cov. Type	Cover_Measurements	Surface_Cover_Code = user entered code
Grnd. Surf. Cov. %	Cover_Measurements	Cover_Percent = user entered code Cover_Method = automatically set to "E"
Remarks	Cover_Measurements	Remarks = user entered remarks

DOWN WOODY MATERIAL DATA FORM

Table 17: Down woody material data form crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
First Duff	Down_Woody_Measurements	Depth = user entered first duff measurement
Second Duff	Down_Woody_Measurements	Depth2 = user entered second duff measurement
Fuel Depth	Down_Woody_Measurements	Fuel_Bed_Depth = user entered fuel bed depth

CSE Field Name	FSVeg Table Name	FSVeg Column Name
First Litter	Down_Woody_Measurements	Litter_1 = user entered depth of first litter measurement
Second Litter	Down_Woody_Measurements	Litter_2 = user entered depth of second litter measurement
Twig 0-.24	Down_Woody_Measurements	No_of_Pieces = user entered number of pieces of this size class
Twig .25-.99	Down_Woody_Measurements	No_of_Pieces = user entered number of pieces of this size class
Twig 1.0-2.99	Down_Woody_Measurements	No_of_Pieces = user entered number of pieces of this size class
Piece Count	Down_Woody_Measurements	No_of_Pieces = user entered number of pieces of the 3" plus class size
Decay Class	Down_Woody_Measurements	Decay_Class = user entered snag decay class
Diameter	Down_Woody_Measurements	Diameter = user entered diameter Diameter_Method = automatically set to "E"
Diameter large end	Down_Woody_Measurements	Diameter – large-end = user entered value
Diameter small end	Down_Woody_Measurements	Diameter – small-end = user entered value
Piece Length	Down_Woody_Measurements	Length = user entered piece length
Volume	Down_Woody_Measurements	Volume = user entered volume
Weight	Down_Woody_Measurements	Weight = user entered volume

WITNESS TREE/NAVIGATION FORM

Table 18: Witness tree/navigation form crosswalk

CSE Field Name	FSVeg Table Name	FSVeg Column Name
Monument Type	Nrv_reference_points	Monument type = "X" or "Y" only
Witness Type	Nrv_reference_points	Witness_type = user selected values from LOV; validated from nrv_witness_types
Tag ID	Nrv_reference_points	Tag ID = the tree number from the tree form, if a witness tree is also a measured tree
Species	Nrv_reference_points	Species_symbol = witness tree species
Diameter	Nrv_reference_points	Diameter = user entered witness tree diameter
Diameter Method	Nrv_reference_points	Diameter_method = "M"; only populated if a diameter is entered
Diameter Height	Nrv_reference_points	Diameter_height = 4.5 if user enters DBH toggle and a diameter is entered, = 0 if user enters DRC toggle and a diameter is entered
Azimuth	Nrv_reference_points	Azimuth = user entered azimuth value
Slope Distance	Nrv_reference_points	Distance = user entered distance value
Slope Distance Method	Nrv_reference_points	Distance_method = "UF"
Remarks	Nrv_reference_points	Remarks = user entered remarks
Travel Description	Nrv_reference_points	Travel_desc = user entered information about the travel route
Plot Navigated From	Nrv_reference_points	Plot_navigated_from = user entered plot number of the last plot visited
Azimuth From Navigated Plot	Nrv_reference_points	Azimuth_from_navigated_plot = user entered azimuth from the last plot visited
Distance From Navigated Plot	Nrv_reference_points	Distance_from_navigated_plot = user entered distance from the last plot visited