

# Appendix E—Forms

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This appendix includes eight forms you can modify to fit your own needs:

- **Site Assessment Form**—This form can be used to prepare a detailed site assessment. The form was developed by Glacier National Park.
- **Campground Vegetation Inventory**—This form will help you assess individual campsites for restoration treatments. The form was developed by Glacier National Park.
- **Restoration Daily Project Log**—This log provides a daily record that will prove invaluable for planning other projects when you need to estimate how much time is required to complete certain tasks.
- **Onsite Restoration Information**—This form can be used to document initial restoration treatments. The form was developed by the Wenatchee National Forest's Wenatchee River Ranger District.
- **Restoration Site Maintenance and Monitoring Record**—This form will help you document ongoing maintenance and monitoring. Data recorded here may supplement data on the revegetation monitoring form. This form was developed by the Wenatchee River Ranger District.
- **Revegetation Monitoring Form**—This form tracks vegetative recovery. It was developed by the Wenatchee National Forest's Wenatchee River Ranger District.
- **Seed Collection Form**—This form documents the attributes of each seed lot. It was developed by the Wallowa-Whitman National Forest. A similar form can be developed for other types of plant material.
- **Plant Material Transportation, Storage, Extraction, and Preparation Log** (excludes seed)—This form is used for shipping plant materials to nurseries and tracks the steps taken to process the materials. The form was developed by the Forest Service's Pacific Northwest Region nursery program.

## Site Assessment Form

Site name and location: \_\_\_\_\_

Date: \_\_\_\_\_

Examiner's name: \_\_\_\_\_

General description of site (include history and use): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Site location (Section, township, and range or UTM): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Elevation: \_\_\_\_\_ Aspect: \_\_\_\_\_ Slope/relief: \_\_\_\_\_

\_\_\_\_\_

## Appendix E—Forms

### Soils and Geology

Soil type: ( ) Alluvial, flood plain, beach soils ( ) Wet soils ( ) Glacial soils  
( ) Bedrock soil—metamorphic ( ) Bedrock soil—sedimentary

Soil description (from Natural Resources Conservation Service soil survey): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Characteristics of soil profile:

O—Organic layer: Depth \_\_\_\_\_ Texture \_\_\_\_\_ Color \_\_\_\_\_ % Rock/gravel \_\_\_\_\_

A—Surface layer: Depth \_\_\_\_\_ Texture \_\_\_\_\_ Color \_\_\_\_\_ % Rock/gravel \_\_\_\_\_

B—Subsurface layer: Depth \_\_\_\_\_ Texture \_\_\_\_\_ Color \_\_\_\_\_ % Rock/gravel \_\_\_\_\_

Soil surface cover (total should equal 100%): Bare soil \_\_\_\_\_ Gravel \_\_\_\_\_ Rock (> 3 cm diam.) \_\_\_\_\_ Litter \_\_\_\_\_

Wood \_\_\_\_\_ Moss/lichen \_\_\_\_\_ Basal vegetation \_\_\_\_\_ Other \_\_\_\_\_

Describe soil surface status:

( ) Soil surface is stable; vegetation cover is adequate to prevent erosion in excess of natural rates.

( ) Soil surface is stable but vegetative cover is inadequate and increased erosion is likely.

( ) Soil surface is unstable because of trampling (compaction) and vegetation loss.

( ) Soil surface is unstable because of steepness, trampling, and vegetation loss.

Describe erosion type (rill, gully, slump, etc.), cause, and depth/extent over the site: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## General Vegetation Composition and Structure

Habitat type: \_\_\_\_\_  
\_\_\_\_\_

Community area: ☐ Upland ☐ Alpine/subalpine ☐ Wetland/riparian ☐ Other \_\_\_\_\_  
\_\_\_\_\_

Dominant cover form: ☐ Aquatic species ☐ Broadleaf trees ☐ Conifers ☐ Shrubs ☐ Herbaceous cover  
☐ Krummholz ☐ Moss/lichens ☐ Nonvegetated (rock or scree) ☐ Other \_\_\_\_\_  
\_\_\_\_\_

Dominant species in upper layer (> 6.5 ft): \_\_\_\_\_  
\_\_\_\_\_

Dominant species in middle layer (2.5–6.5 ft): \_\_\_\_\_  
\_\_\_\_\_

Dominant species in lower layer (< 2.5 ft): \_\_\_\_\_  
\_\_\_\_\_

Life form size—Dominant trees:

% seedling (< 1.0 in d.b.h.) _____	% sapling (1–4.9 in d.b.h.) _____	% Pole (5–8.9 in d.b.h.) _____
% medium (9–20.9 in d.b.h.) _____	% large (21–32.9 in d.b.h.) _____	% very large (33+ in d.b.h.) _____

Life form size—Dominant shrubs: % low (< 2.5 ft) \_\_\_\_\_ % medium (2.5–6.5 ft) \_\_\_\_\_ % tall (6.5+ ft) \_\_\_\_\_

Structural class:

☐ Stand initiation: growing space is reoccupied following a stand-replacing disturbance

☐ Stem exclusion/open canopy: ground-level competition limits establishment of new tree seedlings; primarily medium or smaller trees

☐ Stem exclusion/closed canopy: establishment of new tree seedlings limited by competition for light and resources

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- ☐ Understory reinitiation: initiation of younger tree stand as older trees occupy less than full growing space; dead trees present; two or more canopy strata
- ☐ Young multistrata: multiaged stand with a mix of tree sizes and canopy strata; no large trees
- ☐ Old forest multistrata: multiaged stand with a mix of tree sizes and canopy strata; includes large, old trees
- ☐ Old forest single-stratum: broken or continuous canopy of large, old trees; understory absent with only a few seedlings or saplings

Microclimate: ☐ Not applicable ☐ Cold-air drainage or frost pocket ☐ Upslope warm airflow

- ☐ Wind-blasted environment that maintains vegetation in deformed state
- ☐ Snow catchment area that retains snow 2 to 4 weeks longer than surrounding areas with the same aspect

Special features: ☐ Not applicable ☐ Talus ☐ Scree ☐ Avalanche chute

- ☐ Wet meadow, grass dominated; surface wet in spring, moist in midsummer
- ☐ Marsh, sedge dominated; soil surface wet in midsummer
- ☐ Swamp, shrub dominated
- ☐ Bog mire, mosses, acidic wet peat soil
- ☐ Fen mire, reeds/sedges, alkaline wet peat soil
- ☐ Swale, depression/bench with no surface water, but moist soil evident in vegetation type
- ☐ Seep, depression/bench with surface water and vegetation found in moist environments
- ☐ Community adjacent to surface water (within 3 vertical feet and 100 horizontal feet of lake, stream, pond, etc.)

Vegetation change:

- ☐ Community is stable; will not change significantly in canopy closure, structure, species composition; similar to climax community
- ☐ Community is seral and changing toward climax community; will change significantly in canopy closure, structure, and species composition
- ☐ Community is changing away from climax community; will change significantly in canopy closure, structure, and species composition
- ☐ Community is seral and stable; dominant species will not change significantly
- ☐ Cannot tell if community is changing

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Forest health:

Describe general vigor of tree species present, history of disease or obvious decline in health of tree populations, any signs of disease/pest infestations (conks, punk knots, stem decay, cankers, boring dust, pitch tubes, dead terminals, needle casts, flagging, etc.) : \_\_\_\_\_

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Exotic species present (species and abundance) and control recommendations: \_\_\_\_\_

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### Rare Species and Cultural Resources

Species of special concern: Identify any endangered or threatened species or species of special concern that are present:

Species name: \_\_\_\_\_ Percent cover \_\_\_\_\_

\_\_\_\_\_

Section 7 consultation in reference to the Endangered Species Act required before mitigation? ( ) Yes ( ) No

Cultural resources: Enter the type of feature or structure (house, barn, firering, archeological site, etc., and the name, if known: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Section 106 consultation in reference to the Historic Preservation Act required? ( ) Yes ( ) No

### Animal Use

Describe animals using or frequenting the site (horses, cattle, other stock, elk, deer, moose, bighorn sheep, beavers, bears, rodents, raptors, other birds, lions, wolves, etc.). Is this site a known travel corridor for wildlife (identify species)? \_\_\_\_\_

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- ( ) Understory burn ( ) Wildfire with suppression activities ( ) Prescribed fire (planned ignition)  
( ) Prescribed fire (unplanned ignition) ( ) Herbicide application ( ) Other weed removal activities  
( ) Recreational foot traffic, day use ( ) Camping ( ) Stock use ( ) Browsing ( ) Rodents  
( ) Game trails ( ) Forest diseases ( ) Insect infestation ( ) Other \_\_\_\_\_

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## Rehabilitation Recommendations

Site management recommendations (closure, use restrictions, etc.): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Describe previous rehabilitation work and results: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Site and planting preparations (describe recommendations for scarification, soil amendments, mulch, etc.):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Plant salvage (list species in the area available for salvage—define strategy for lifting and storage):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Appendix E—Forms

Soil salvage potential and borrow sites available (describe soil resources available and quantify any deficits, if applicable):

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Barriers necessary to restrict use: ( ) None needed ( ) Fence ( ) Vehicle barrier ( ) Brush or logs ( ) Signs ( ) Rocks ( )

Other 

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Describe where barriers are needed: 

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Suggested revegetation species and quantity from site:

<b>Trees</b>	<b>Shrubs</b>
<b>Forbs</b>	<b>Grasses</b>

## Appendix E—Forms

Plant materials collection and propagation recommendations: \_\_\_\_\_

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Comments for project implementation: \_\_\_\_\_

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## Appendix E—Forms

### Species Inventory

Abundance—Indicate whether the species is D (dominant), F (frequent), or O (occasional).

Native trees	Abundance	Revegetative species	Native shrubs	Abundance	Revegetative species

## Appendix E—Forms

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## Appendix E—Forms

Abundance—Indicate whether the species is D (dominant), F (frequent), or O (occasional).

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## Campground Vegetation Inventory

Name of campground: \_\_\_\_\_

Date: \_\_\_\_\_ Reported by: \_\_\_\_\_

UTMs—Mapping notes: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Measurement of impact: \_\_\_\_\_

Description of soil condition (topsoil depth, color, organic matter and litter content, and any other notable features):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dominant vegetative species: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggested revegetation species: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Suggestions for further restoration (including materials list):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Appendix E—Forms

### Site No. 1

UTMs—Mapping notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Measurement of impact: \_\_\_\_\_

Description of treatment implemented: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of soil condition (topsoil depth, color, organic matter and litter content, and any other notable features): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dominant vegetative species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggested revegetation species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggestions for further restoration (including materials list): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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## Appendix E—Forms

### Site No. 2

UTMs—Mapping notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Measurement of impact: \_\_\_\_\_

Description of treatment implemented: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of soil condition (topsoil depth, color, organic matter and litter content, and any other notable features): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dominant vegetative species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggested revegetation species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggestions for further restoration (including materials list): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Appendix E—Forms

### Site No. 3

UTMs—Mapping notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Measurement of impact: \_\_\_\_\_

Description of treatment implemented: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of soil condition (topsoil depth, color, organic matter and litter content, and any other notable features): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dominant vegetative species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggested revegetation species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggestions for further restoration (including materials list): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Appendix E—Forms

### Site No. 4

UTMs—Mapping notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Measurement of impact: \_\_\_\_\_

Description of treatment implemented: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of soil condition (topsoil depth, color, organic matter and litter content, and any other notable features): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dominant vegetative species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggested revegetation species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggestions for further restoration (including materials list): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Appendix E—Forms

### Pit Toilet (Low Rider)

UTMs—Mapping notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Measurement of impact: \_\_\_\_\_

Description of treatment implemented: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of soil condition (topsoil depth, color, organic matter and litter content, and any other notable features): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dominant vegetative species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggested revegetation species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggestions for further restoration (including materials list): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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## Appendix E—Forms

### Food Hanging Pole

UTMs—Mapping notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Measurement of impact: \_\_\_\_\_

Description of treatment implemented: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of soil condition (topsoil depth, color, organic matter and litter content, and any other notable features): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dominant vegetative species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggested revegetation species: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggestions for further restoration (including materials list): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Appendix E—Forms

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This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

## Restoration Project Daily Log

Date: \_\_\_\_\_

Hours worked: \_\_\_\_\_

Crew: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Number of visitors (people/stock/groups):

\_\_\_\_\_

\_\_\_\_\_

Campsites occupied (by site number and how many other occupied sites are visible from each occupied site):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Accomplishments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Comments and observations:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Onsite Restoration Information

(Use this form to document initial restoration treatments)

Location: \_\_\_\_\_

Restoration site and segment: \_\_\_\_\_ Date: \_\_\_\_\_

Approx. plot size: \_\_\_\_\_ Observer: \_\_\_\_\_

1. Method of site preparation (stabilization and soil treatments):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Type of plant material:

a) Wildling plugs (number and species present)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b) Seeding (species and amount seeded)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c) Nursery stock (number by species/stock type)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## Appendix E—Forms

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## Restoration Site Maintenance and Monitoring Record

Site:\_\_\_\_\_ Site segment:\_\_\_\_\_

Location:\_\_\_\_\_

Date:\_\_\_\_\_ Person taking observations:\_\_\_\_\_

Signs/stakes	
Erosion control blankets	
Erosion	
Human disturbance	
Weeds (nonnatives)	
Seedlings: Number by species Average diameter (in) Seeding and/or flowering (Y or N)	

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Additional seedlings added:	
Species, number, location	
Wildling plugs added:	
Species, number, location	
Additional seeds added:	
Species, location	
Other native seedlings identified:	
Number, species, location	

Document any additional or extensive work on the reverse side.

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## Appendix E—Forms

## Revegetation Monitoring Form

Location \_\_\_\_\_

Plot No. \_\_\_\_\_ Date \_\_\_\_\_ Observer \_\_\_\_\_

[illegible]<sup>1</sup>Coverage classes:

(1) 0–5% (2) >5–25% (3) >25–50% (4) >50–75% (5) >75–100%

<sup>2</sup>Vigor classes:

- (1) Plants appear unhealthy, probably not able to reproduce.
- (2) Plants appear essentially healthy, but do not appear to be able to reproduce.
- (3) Plants appear healthy, plants apparently spreading, but may be reproducing only vegetatively.
- (4) Plants appear to be sexually reproducing, plants spreading.
- (5) Plants appear robust, reproducing sexually, population spreading.

## Seed Collection Form

\*Asterisk indicates data that does not have to be recorded in the field. This information can be added later, but be sure to do so.

1. Scientific name\_\_\_\_\_

2. Common name\_\_\_\_\_

3. \*Species code\_\_\_\_\_ 4. \*Seed lot code\_\_\_\_\_

5. \*Watershed name and code\_\_\_\_\_ 6. \*Subwatershed name and code\_\_\_\_\_

7. \*Legal description\_\_\_\_\_ 8. \*Quad name\_\_\_\_\_

9. Road number(s)\_\_\_\_\_

10. Creek or site name\_\_\_\_\_

11. Directions to relocate the area:\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Attach a quad or road map of the collection area on the back of the form)

12. Elevation(s)\_\_\_\_\_ 13. Slope(s)\_\_\_\_\_ %

14. Aspect(s) (N, S, E, W)\_\_\_\_\_

15. Habitat description(s)\_\_\_\_\_

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16. Plant association(s)\_\_\_\_\_

*Name (Use key or leave blank)*

17. Number of plants in each population\_\_\_\_\_

18. Number of populations in this seed lot\_\_\_\_\_

19. Collector's name\_\_\_\_\_

20. Collection date\_\_\_\_\_

21. Hours spent collecting\_\_\_\_\_

22. Comments\_\_\_\_\_

### **Drying and Transport**

23. \*Drying method\_\_\_\_\_ 24. \*Drying time\_\_\_\_\_

25. \*Nursery name\_\_\_\_\_ 26. \*Date shipped\_\_\_\_\_

27. \*District contact person \_\_\_\_\_

## Seed Collection Form Instructions

1. Scientific name: Be absolutely sure of the identification. Use the names in standard floras for area.
2. Common name: Use the names from standard floras for the area or those used in stand exams.
3. Species code: This is the code used for stand exams. Use the **correct** four- to six-letter code. Leave this field blank if you don't know the code.
4. Seed lot code: This code is from Nursery Lot Form 158. See the instructions accompanying that form.
5. Watershed name and code: Get a map of these names and codes from the district hydrologist.
6. Subwatershed name and code: Get a map of these names and codes from the district hydrologist.
7. Legal description: The township, range, and section from which the seed was collected. More than one entry may be needed for large batches of seed.
8. Quad name: The U.S. Geological Survey quad map name. More than one entry may be needed for large batches of seed.
9. Road number(s): List the main roads closest to the area where the seed was collected.
10. Creek or site name: General name of the area.
11. Directions to find the area: These can be fairly general.
12. Elevation(s): If more than one population is included, give the range of elevations, or list each elevation.
13. Slope(s): If more than one population is included, give the range of slopes, or list each slope.
14. Aspect(s): If more than one population is included, give the range of aspects, or list each aspect.
15. Habitat description: General habitat information, such as meadow or forest.
16. Plant association: Use the appropriate guide to determine the association name. If more than one population is collected, list each association name. If in doubt, leave this field blank.
17. Number of plants in each population: Estimate the number of plants that were harvested in each population. This line will have just one entry because it will be the same for all populations in a seed lot.
18. Number of populations in a seed lot: Number of populations, separated by 1/4 mile, where seed was collected.
19. Collector's name: The person (or persons) who did the collecting.
20. Collection date: Date the material was collected. Important for tracking success rates.
21. Hours spent collecting: Time spent actually collecting seed (not traveling).
22. Comments: Any extra information that may be helpful.

### **Drying and Transport**

23. Drying method: Record whether the seed was dried in sun or shade and how the seed was dried.
24. Drying time: How many days the material was dried.
25. Nursery name: Name of the nursery where the material was sent.
26. Date shipped: Date the material was sent to the nursery.
27. District contact person: Name of the person the nursery should contact if there are any questions.

## Plant Material Transportation, Storage, Extraction, and Preparation Log (Excludes Seed)

<b>A. Completed at collection site</b>	<b>B. Completed at nursery</b>
<p>1. Collection site log No.: _____</p> <p>2. Geographic ID: (creek, lake, trail, etc.) _____</p> <p>3. Forest: _____</p> <p>4. Ranger district: _____</p> <p>5. Date shipped: _____</p> <p>6. No. of plant materials shipped: _____ (whips, roots, bulbs, etc.)</p> <p>7. Transport mode: _____</p> <p>8. Shipped by whom: _____</p> <p>9. Shipping destination: _____</p> <p>10. History: Collection date: _____ Insect/disease damage: _____ Storage of materials: _____</p> <p>11. Contact persons: _____ E-mail and phone: _____</p>	<p>12. Date received: _____</p> <p>13. No. of plant materials received: _____</p> <p>14. Received by: _____ (name)</p> <p>15. Nursery log-in No.: _____</p> <p>16. Storage of plant materials: Building: _____ Bay: _____ Tier: _____ Rack: _____ Tubs/buckets/etc. _____</p> <p>17. Nursery preparation date: _____ a) No. of cuttings Length of cuttings: _____ Minimum caliper: _____</p> <p>18. Root or bulb preparation: _____</p> <p>19. Dip treatments for storage: _____ Date dipped: _____</p> <p>20. Pre-sow dips: _____</p>



### C. Completed at the Collection Site and Verified by the Nursery

Species type: \_\_\_\_\_

21. Plant material lot code (Use large, written numbers, the **long code**)

	POTR2	16	862	02	711	40	27A	93	SIA
Species _____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Forest _____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Seed Zone _____	_____	_____	_____	_____	_____	_____	_____	_____	_____
District _____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Type of Collection _____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Elevation Zone _____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Subwatershed _____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Year of Collection _____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Certification Class (Omit for Cuttings) _____	_____	_____	_____	_____	_____	_____	_____	_____	_____

**Species:** This is the four- to six-digit alpha/numeric code for the scientific name of the plant. Refer to PNW Publication *Northwest Plant Names and Symbols for Ecosystem Inventory and Analysis* (PNW General Technical Report PNW-46; 1976). If you only know what genus it is, fill in the first five letters of the genus; for example SALIX or RIBES.

**Forest:** A two-digit numeric code. For the Wallowa-Whitman this will always be 16.

**Seed Zone:** Zone of origin.

**District:** A two-digit numeric code.

**Type of Collection:** The *Forest Service Handbook* states that numbers from 700 and up will be used for non-seed collections. For hardwood cuttings this number will always be 711.

**Elevation Band:** These elevation groupings are in 500-foot bands, and the code is the first two digits of the upper limit of each band.

2,000-2,500 = Band 25

2,500-3,000 = Band 30

3,000-3,500 = Band 35

**Year of Collection:** A two-digit numerical code for the year. 1993 = 93.

## Appendix E—Forms

### The nursery fills in the entries below.

Treelot short code: \_\_\_\_\_

Date planted: \_\_\_\_\_ 0–1: \_\_\_\_\_ 0–2: \_\_\_\_\_

No. of days callused: \_\_\_\_\_

22. Inventory amount: \_\_\_\_\_

23. Lifting date: \_\_\_\_\_ Packing date: \_\_\_\_\_

24. Net pack: \_\_\_\_\_ Package by: \_\_\_ Box \_\_\_ Bag \_\_\_ Both

25. Ship date: \_\_\_\_\_ Shipped by: \_\_\_ Refrigerated truck \_\_\_ Hot trailer

Other (specify): \_\_\_\_\_

Nursery treelot number: \_\_\_\_\_

26. Remarks from nursery for forest/collection site followup:

- a. Section A of form not completed or not completed correctly \_\_\_\_\_
- b. Plant material of very poor quality, should **NOT** have been collected \_\_\_\_\_
- c. Plant material damaged, apparently stored, or shipped under unsatisfactory conditions \_\_\_\_\_
- d. Plant material collected at wrong time of year \_\_\_\_\_
- e. Plant tags not completed in compliance with instructions \_\_\_\_\_
- f. Plant material lot not on inventory plan or exceeds planned amount \_\_\_\_\_
- g. Plant materials not packaged properly \_\_\_\_\_
- h. Too much debris mixed with plant material \_\_\_\_\_
- i. Individual lots not properly segregated on shipping vehicle \_\_\_\_\_
- j. Other (specify) \_\_\_\_\_



## Appendix E—Forms

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**Lisa Therrell**



**Victor Claassen**



**Mary Ann Davies**



**David Cole**



**Chris Ryan**

## About the Authors

**Lisa Therrell** is a wilderness manager on the Okanogan and Wenatchee National Forests in Washington. She also has worked as a wilderness planner, wilderness ranger, park ranger, and educator. Lisa has a bachelor's degree in biology and environmental studies. In her spare time, she can be found botanizing and gardening, as well as teaching yoga and enjoying outdoor pursuits. For over 20 years, planning and implementing restoration projects has been the most rewarding part of Lisa's job.

**David Cole, Ph.D.**, is a research scientist with the Aldo Leopold Wilderness Research Institute in Missoula, MT. He has been studying the ecological impacts of wilderness recreation for 30 years. Recently, he has been working to find more effective ways to restore damaged sites.

**Victor Claassen, Ph.D.**, wildland restorationist, teaches at the University of California Davis in the Land, Air, and Water Resources Department of the College of Agriculture and Environmental Sciences. He grew up on a family farm in Kansas and has always had soil in his veins. Victor is especially interested in soil fertility in wildland systems.

**Chris Ryan**, wilderness specialist, is the wilderness, wild and scenic rivers, and outfitters program leader for the Forest Service's Northern Region in Missoula, MT. She has worked in some of the Forest Service's finest wilderness areas throughout her 25-year career.

**Mary Ann Davies** is a project leader at the Forest Service's Missoula Technology and Development Center (MTDC). She received a bachelor's degree in mechanical engineering with a minor in industrial and management engineering from Montana State University in 1988. She worked in the Forest Service's Pacific Northwest Region with facilities, tramways, recreation, and fire. Before coming to MTDC in 1998, she worked 5 years with the Rocky Mountain Research Station's fire chemistry and the fire behavior groups in Missoula, MT. Mary Ann works on projects in the nurseries, fire, recreation, and watershed, soil, and air programs.