

USDA. FOREST SERVICE
 COLUMBIA RIVER GORGE NATIONAL SCENIC AREA
 902 WASCO AVENUE, SUITE 200
 HOOD RIVER, OR 97031

Telephone: 541-386-2333
Fax: 541-386-1916

FOREST PRACTICE REVIEW APPLICATION

DATE OF APPLICATION: May 30, 2007; revised and resubmitted June 25, 2007

APPLICANT(S)			PROPERTY OWNERS		
Barry Sims			Cynthia Hamilton CEO		
Trout Mountain Forestry			Columbia River Council of Girl Scouts		
MAILING ADDRESS			MAILING ADDRESS		
721 NW 9 th Ave Suite 228			101 Arrowhead Road		
Portland, OR 97209			Stevenson, WA 98648		
APPLICANT'S SIGNATURE AND DATE			PROPERTY OWNER'S SIGNATURE AND DATE		
/s/ Barry Sims 5/30/07			/s/ Cynthia Hamilton 5/30/07		
PHONE: (503) 233-2131			PHONE: (503) 977-6813		
E-MAIL: barry@troutmountain.com			E-MAIL: CynthiaHamilton@Juliette.org		
LOCATION OF PROPERTY			PROPERTY ADDRESS (IF APPLICABLE)		
TOWNSHIP: 3n	RANGE: 8e	SECTION: 25	Girl Scout Road		
QUARTER SECTION: Portions of NW, SW, and SE		TAX LOT: 4000			
PARCEL SIZE (ACRES): 266 acres			COUNTY: Skamania		
EXISTING LAND USE: Camp/Timber			STATE: Washington		

PROJECT DESCRIPTION: Describe your proposed forest practice including:

1. Details on the purpose for the forest practice, the existing stand conditions (approximate percent canopy closure, trees per acre, tree sizes, and species composition), and the desired future vegetation structure and reforestation plan (species, spacing).

Camp Arrowhead is a 266 acre Camp that is surrounded on three sides by the Gifford Pinchot National Forest. A thinning is proposed on approximately 47 acres in the northern portion of the Camp. This area is occupied by a 100 year old stand of Douglas-fir, which is the predominant forest type throughout the ownership as well as on adjacent federal lands.

Stocking in the stand is very high and there have recently been some mortality and blowdowns related to root rot and at least in part attributable to the high stocking. Basal area is 310 square feet per acre, and tree density is estimated to be 151 trees per acre. The mean diameter-breast-height (DBH) is approximately 19 inches. The current estimated canopy closure is 90-100% in the overstory and 0-20% in the understory. The Relative Density is calculated to be 70. Bigleaf maple is present in the understory but is suppressed. The stand contains several small root rot pockets where blowdown has occurred and is ongoing.

The desired future condition is an old-growth Douglas-fir/bigleaf maple stand that is healthy and resilient. This includes snags and down logs, which are currently virtually absent from the forest. Some planting of Douglas-fir and western redcedar will be attempted to create an uneven-age condition.

2. The silvicultural prescription, (regeneration mosaic, overstory removal, shelterwood, small group selection, uneven-age partial cut, even-age thinning, thinning from above to release understory, thinning from below to thin understory layer, or salvage of standing dead).

The silvicultural prescription is primarily an even-age thinning. The thinning will generally be from below to ensure that the healthiest and most windfirm trees are retained to minimize the risk of post-thinning blowdown. The trees to be removed are those with poorer vigor and smaller crowns. Occasionally, a larger dominant tree will be removed when the removal will release at least three higher quality stems of smaller diameter. There are several small (<1 acre) root rot pockets scattered through the project area. In these areas, small group selection will be used to harvest dying or at-risk trees and to help slow the spread of the root rot through the stand. The strategy will also involve releasing bigleaf maple to ensure this species remains in the stand for biodiversity and also to help limit the spread of root rot by interfering with Douglas-fir-to-Douglas-fir root contact.

Presently, there are very few down logs or snags in the project area. The proposed project will leave any cull logs on the forest floor to enhance the large woody debris on the site. The project goal will be a total of 5 down logs per acre greater than 16" diameter, minimum length 12'. Also, potential snags will be designated for permanent retention. It is possible that after the thinning, some tree tops may be blown out by high winds, particularly during winter storms. This may significantly enhance snag recruitment. Snag creation by topping trees will be considered over time if natural snag recruitment is not sufficient. The project goal will be 3 snags per acre greater than 14" DBH. Over the long-term, the desired down wood goal is 18 pieces greater than 20" diameter and 30' length, with 10 snags at 10"-20" and 7 snags larger than 20", per acre. This goal will be achieved by incrementally increasing the down wood and snag component in the stand.

Project description, continued

Because the proposed treatment is very light, there are no specific “exclusion areas” per se. This area of the property was selected for treatment because it is generally away from any streams and ponds and well away from the main camp facilities. Nevertheless, the goal of the treatment will be to minimize visual impacts, and minimize soil disturbance, while enhancing tree health on the property.

All skid trails will be laid out prior to the start of the project, and will be designated as permanent skid trails to minimize long-term compaction to the forest floor. Skid trails will be located no closer than 100’ apart. Areas between skid trails will be yarded by cable and winch where practicable, as well as by rubber-tire skidder during dry conditions. During periods of wet soils, no machinery will be allowed off the designated skid trails.

3. The volume and species to be removed and the approximate percent canopy closure and trees per acre after treatment.

The current timber volumes range from 40 to 50 MBF/acre on the most productive soils, to approximately 20 MBF/acre in areas of shallower, rockier soils and harsher sites. Because of the concern about blowdown (the stand has not been thinned for many decades, if ever), and because of the obvious importance of aesthetics for the site, the thinning will be quite conservative. The thinning removals will range from 3 to 10 MBF per acre, based on the stand conditions. The average removal target will be 5 MBF per acre, or about 15% of the total estimated volume in the stand. The target residual basal area will be 200 to 250 square feet per acre, depending on initial stocking. Also, the target residual trees per acre will be 80 to 120, again depending on initial stocking. The target percent canopy cover after the treatment is 80%. Small group selection units will be kept to no more than 2 acres in size, with retention of at least three trees per acre of the largest size trees available.

4. The size and shape of the treatment units and associated natural features such as streams, talus slopes, rock outcrops located on a color aerial photo or copy of a color aerial photo and the location of roads, culverts, skid trails or other ground disturbing activities (see site plan, p.3).

Please see the site plan map.

5. Slash treatment (no treatment, lop and scatter, chip and scatter, hand pile and burn, grapple pile and burn, jackpot burn.) Use additional Sheets as necessary.

In thinning areas, lop and scatter will be the treatment. In small group selection areas, pile and burn will be the treatment.

Application Checklist: the following is required to complete your application:

- Application form completed and signed
- Site Plan
- Key viewing areas checklist (attached)
- Names and addresses of adjacent property owners within 200 feet of parcel
- Any additional information as required:

KEY VIEWING AREAS: Key viewing areas are important public viewpoints and areas that afford opportunities to view the Gorge scenery. Key viewing areas are listed below. Please check those sites which can be seen from your property.

- | | |
|--|--|
| <input type="checkbox"/> Historic Columbia River Highway | <input type="checkbox"/> Washington State Route 14 |
| <input type="checkbox"/> Sandy River | <input type="checkbox"/> Washington State Route 142 |
| <input type="checkbox"/> Portland Women's Forum State Park | <input type="checkbox"/> Washington State Route 141 |
| <input type="checkbox"/> Crown Point | <input type="checkbox"/> Cook-Underwood Road |
| <input type="checkbox"/> Rooster Rock State Park | <input type="checkbox"/> Dog Mountain Trail |
| <input type="checkbox"/> Multnomah Falls | <input type="checkbox"/> Beacon Rock |
| <input type="checkbox"/> Larch Mountain | <input type="checkbox"/> Cape Horn |
| <input type="checkbox"/> Highway I-84, including rest stops | <input checked="" type="checkbox"/> Columbia River |
| <input type="checkbox"/> Bonneville Dam Visitor Centers | <input type="checkbox"/> Pacific Crest Trail Oregon Highway 35 |
| <input type="checkbox"/> Sherrard Point on Larch Mountain | |
| <input type="checkbox"/> Rowena Plateau/Nature Conservancy Viewpoint | |
| <input type="checkbox"/> Larch Mountain Road | |
| <input type="checkbox"/> Wyeth Bench Road | |
| <input type="checkbox"/> County Road 1230 (Old WA St. Route 14) | |

None of these areas are visible from the project area. The Columbia River can be glimpsed through the trees from one small area near the main lodge, which is not located within the proposed project area. In most cases, terrain features block visibility. The Camp is on the northeast flank of Wind Mountain, which blocks most views to the south and west. Further, the dense vegetation makes long vistas rare and limited. Mt. Defiance and Dog Mountain are also both visible from certain areas of the Camp.

Forest Practice SITE PLAN: A plan drawn in black ink at a scale of 1 inch equal to 200 feet (1:2400) or at a scale providing greater detail must be included with the application.

If the parcel is very large, you may show the forest practice on the portion of the parcel affected by the proposed use. Be sure, however, to show enough of the parcel or some adjacent features, such as roads, so that the reviewers can orient themselves on your map. A small vicinity map showing the subject parcel and surrounding parcels may help.

Use a copy of an aerial photo to show units, rock sources, natural features, roads, skid trails, landings, etc.

At a minimum, you must show the following features:

- Applicant(s) name
- Location and width of existing and proposed roads, driveways, and trails
- Scale and north arrow
- Location and size of existing and proposed structures
- Boundaries of parcel with dimensions and size
- Location of existing and proposed services including wells or other water supplies, structures, power and telephone poles and lines and outdoor lighting.
- Significant terrain features or landforms
- Location and depth of all proposed grading and ditching
- Groupings and species of trees or other vegetation on the parcel
- Location and species of vegetation that would be removed or planted
- Water courses and bodies of water

**ADJACENT PROPERTY OWNERS AND EXISTING LAND USE
ON ADJACENT PARCELS WITHIN 200 FEET OF PROJECT PROPERTY:**

<u>TOWNSHIP, RANGE, SECTION, TAX LOT</u>	<u>NAME AND ADDRESS</u>	<u>EXISTING LAND USE</u>
T3N R8E Sec. 25 #4100 & 4002	United States of America Columbia River Gorge National Scenic Area 902 Wasco Ave., Suite 200 Hood River, OR 97031	Timber
T3N R8E Sec. 35 #100		
T3N R8E Sec. 36 #100 & 200		
T3N R8E Sec. 26 #900 & #2000	White, Jimmie D & Ginny V 1552 Wind Mountain Road Stevenson, WA 98648	Residential
T3N R8E Sec. 26 #800	Wilkins, Kaiser, and Olsen Inc. PO Box 8 Carson, WA 98610	Residential
T3N R8E Sec. 26 #901 & #902	Orr, Gary & Lori PO Box 178 Carson, WA 98610	Residential
T3N R8E Sec. 36 #300	State of Washington Common School Indemnity	Timber
T3N R8E Sec. 26 #904	Lownsbury, William H III PO Box 1256 Stevenson, WA 98648	Residential

For Your Information:

County offices:

Clark County

Department of Community Department
1408 Franklin Street
P.O. Box 9810
Vancouver, WA 98666-9810
360-699-2375

Assessor's Office
1013 Franklin Street
P.O. Box 5000
Vancouver, WA 98668
360-699-2375

Skamania County

Department of Planning and Community
Development
P.O. Box 790
Stevenson, WA 98648
509-427-9458

Assessor's Office
Courthouse
P.O. Box 790
Stevenson, WA 98648
509-427-9400

Klickitat County

Planning Department
Courthouse Annex
228 SW Main, Rm. 150
Goldendale, WA 98620
509-773-5703

Assessor's Office
Courthouse
205 S. Columbus
Goldendale, WA 98620
509-773-3715

Wasco County

Planning and Economic Development Office
2705 East Second Street
The Dalles, OR 97058
541-298-5169

Assessor's Office
Court House
The Dalles, OR 97058
541-296-5477

Hood River County

Planning and Community Development
Courthouse
309 State Street, Room 101
Hood River, OR 97031-2093
541-387-6840

Assessor's Office
Courthouse
309 State Street
Hood River, OR 97031-2093
541-386-4522

Multnomah County

Department of Environmental Services
1600 SE 190TH Avenue
Portland, OR 97233-5910
503-248-3043

Assessor's Office
610 SW Alder
Portland, OR 97204
503-248-3326