

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

Telephone: 541-308-1700
 Fax: 541-386-1916

FOREST PRACTICE REVIEW APPLICATION

DATE OF APPLICATION:

| | | | | | |
|------------------------------------------------|--------------|------------------|--------------------------------------------|--|--|
| APPLICANT(S) | | | PROPERTY OWNERS | | |
| Barry Sims | | | Karen Hill, CEO | | |
| Trout Mountain Forestry | | | Columbia River Council of Girl Scouts | | |
| MAILING ADDRESS | | | MAILING ADDRESS | | |
| 1800 NW Upshur St., Suite 201 | | | 9620 SW Barbur Blvd. | | |
| Portland, OR 97209 | | | Portland, OR 97219 | | |
| APPLICANT'S SIGNATURE AND DATE | | | PROPERTY OWNER'S SIGNATURE AND DATE | | |
| <i>Barry Sims</i> 1/17/12 | | | <i>Karen Hill, CEO</i> 1/17/12 | | |
| PHONE: (503) 222-9772 | | | PHONE: (503) 977-6829 | | |
| E-MAIL: barry@troutmountain.com | | | E-MAIL: khill@girlscoutsw.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 | | | 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 62 acres in the central and southeastern portions of the Camp. Within the 62 acre thinning is an approximately 11 acre area (along the southern boundary) with Oregon white oaks that will be released from competition with Douglas-fir. Most of the project 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. A creeping landslide, known as the Collins Point Slide, affects a significant portion of the project area and has caused crooked growth in many of the standing trees.

Generally, stand conditions vary across the project area due to a difference in soils, aspect, and past management. Basal area is 200-300 square feet per acre, and tree density is estimated to be 100-200 trees per acre. The diameter-breast-height (DBH) ranges from 10-30 inches. The current estimated canopy closure is 75-100% in the overstory and 0-25% in the understory. Scattered throughout the project area are several hardwood-dominated patches, including bigleaf maple, Oregon ash, and black cottonwood.

The desired future condition is an old-growth Douglas-fir/hardwood stand with scattered Ponderosa pine that is healthy and resilient. This includes snags and down logs, which are currently virtually absent from the forest. The desired future condition in the 11 acre oak release area is a mixed woodland of Oregon white oak and Douglas-fir.

- 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).**

a) The silvicultural prescription for the main project area (51 ac.) is primarily an even-age thinning similar to the harvest conducted in 2009. 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 two 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.

b) The prescription for the 11 acre oak release area will be a combination of even-age thinning (from below) and small group selection. In pockets of pure Douglas-fir, the healthiest trees will be retained and in the vicinity of large oak trees, small groups of Douglas-fir will be removed.

Presently, there are very few down logs or snags in the 62 acre project area. The proposed project will leave any cull logs on the forest floor to enhance the large woody debris on the site. Additional

logs will be designated for retention such that the project will add 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. Over successive thinning entries, down wood will accumulate toward the Forest Service's targets. Over the long-term, the desired down wood goal is 18 pieces greater than 20" diameter and 30' length. This goal will be achieved incrementally over time to create down wood of different decay classes. This approach differs somewhat from that prescribed by the Columbia River Gorge Scenic Area Management Plan. Please see the Camp Arrowhead Stewardship Plan included with this application for further information about the silvicultural approach and rationale.

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 180-240 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%, except in the vicinity of white oaks, where canopy cover will be reduced to 50% or lower. Small group selection units will be kept to no more than 1 acre 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

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