

Pre-Operations Report

Operation Name: Annie Haul
County: Klamath

Table 1. Operation Areas, Types and Acres

Stand	Type of Operation	Gross Acres	Net Acres
117	Partial Cut	85	85
Total		85	85

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

Soil Types: The sale area consists of the Annie series soil. The Annie series contains deep, excessively drained, gravelly soils developing from sand and gravel alluvium of recent age. This soil is operable with ground based skidding equipment at any time of year.

Vegetation Zone

Stand 117: White fir forest zone. Plant association – Mixed conifer/snowbrush/sedge (CWS1-15)

Slope, Aspect, and Topography:

The sale area is nearly level.

II. CURRENT STAND CONDITION:

Table 2. Stand Inventory Information.

Area	Prescription	Stand ID ¹	Species	DBH ³	BA ⁴	TPA ⁵	SDI ⁶	Acres ²
1	PC	117	PP	18.8	131.2	125	211.1	85
			WF	7.7	5.1	49.3	13	
			LP	14.6	5.6	172.6	18.1	
		Totals			141.9	346.9	242.2	

¹ The source of stand inventory information is from 2003 field inventory.

² The acres are based on GIS and roads, stream buffers, reserve areas, etc are included in gross acreage.

³ The DBH represented is the average DBH of trees 8" and larger for volume and value computations.

⁴ BA – Basal Area

⁵ TPA – Trees per Acre

⁶ SDI – Stand Density Index

Current guidelines in this area call for keeping stands under Stand Density Index (SDI) 270 in order to maintain stand health at levels to resist insect attacks. Although Stand 117 is well under that level, the stand has undergone a significant western pine beetle outbreak over the past 7 years.

The following table shows the current condition for large trees in the sale area.

<u>Stand</u>	<u>TPA >20"</u>	<u>TPA >30"</u>
117	26.6	1.4

III. DESIRED FUTURE CONDITION/VISION:

At the next entry, 15-25 years, stand 117 will have the following characteristics:

- Healthy multi-aged stand of ponderosa pine, with a minor white fir component.
- Stand composition and structure allows sustained periodic harvest entries at a 15 to 25 year interval.
- The stand meets the "Desired Future Condition for Large Trees in the Sun Pass State Forest" goals. The goal is to have 10 trees >20" dbh with at least 2 of those trees >30" dbh.
- There are younger cohorts of ponderosa pine, primarily in small clumps.
- Fuels are arranged and at acceptable levels to reduce the adverse impacts of wildfires.
- Snags, down wood, and cover, are at the desirable levels to provide wildlife habitat.
- Shrubs and forbs are maintained at desired levels to provide forage production.

IV. PROPOSED MANAGEMENT PRESCRIPTION:

The sale objective is to develop and maintain an uneven-aged stand dominated by ponderosa pine. A minor white fir component will be retained for biodiversity and market diversity. The sale is above the desired future condition goal for trees greater than 20" dbh, but slightly under the goal the goal for trees greater than 30". The sale area will meet the large tree desired future condition at the next entry.

The forest health objectives will be accomplished by reducing stand density to an average of 100 square feet basal area. Group selections totaling 8 to 10 acres will range from 1/2 acre to 3 acres in size. The group selection areas will be planted with ponderosa pine.

Most of the existing snags and high defect trees will be retained for wildlife habitat enhancement unless their juxtaposition conflicts with the safety of the logging operation. Existing large downed wood, long butts from the logging operation, and cull logs will be left in place or skidded from the landing and scattered on the sale area.

The sale plan is intended to include the treatment of both sawlog sized material and subsawlog sized material. Designated trees 5" to 8" dbh will be required to

be yarded to the landing as part of the project work. These trees will be chipped or utilized as poles if the market allows or the piles will be burned.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Sale Type:	Recovery	Planned Quarter:	4
Fund Percentage	100	% BOF	
Net Volume	595	Conifer MBF	
Stumpage Value	\$300.00	Conifer (\$/MBF)	
Estimated Gross Value	\$178,500		
Project Costs:	\$5,525		
Estimated Net Value	\$172,975		

VI. HARVESTING AND ACCESS CONSIDERATIONS:

Existing roads and skid trails from the previous sale are present on the sale area. There are no access issues. Haul roads are all on state owned land. Because of the gentle terrain, ground based logging equipment will be employed. A mechanical feller-buncher will be required for harvesting of the smaller diameter timber and submerchantable material. This will result in minimal damage to reserved trees. Where possible, existing landings and skid trails shall be utilized.

The District will close an estimated 0.3 miles of existing roads using methods described in the Summary Document under Road Access Management.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Dirt Spur
Construction	0.0	0.0	0.0
Improvement	0.0	0.0	0.3
Maintenance	4.9	0.0	0.0
Vacation	0.0	0.0	0.3

See AOP Summary Document for road use level definitions.

VII. AQUATIC RESOURCES AND WATER QUALITY:

None.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

Surveys for Spotted Owls have been conducted, as outlined in the LRP, and no spotted owls have been detected in or near the sale area. Monitoring surveys were completed on the forest in 2005 and 2006. These two year surveys are

completed every five years. Spotted owl surveys are not done for individual sales. No owls were detected. The forest will not be surveyed again during the life of the contract.

The sale area was checked against district knowledge for any listed plant location. The sale area was also checked against the Oregon Natural Heritage Program (ONHP) database of known listed plant locations. No listed plant records were identified within the sale area.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

None. The entire sale area is nearly level.

X. RECREATION RESOURCES:

Hunting and mushroom picking are the only known recreational uses of the sale area.

XI. CULTURAL RESOURCES:

The area has been surveyed for cultural resources. No cultural resources requiring protection were found.

XII. SCENIC RESOURCES:

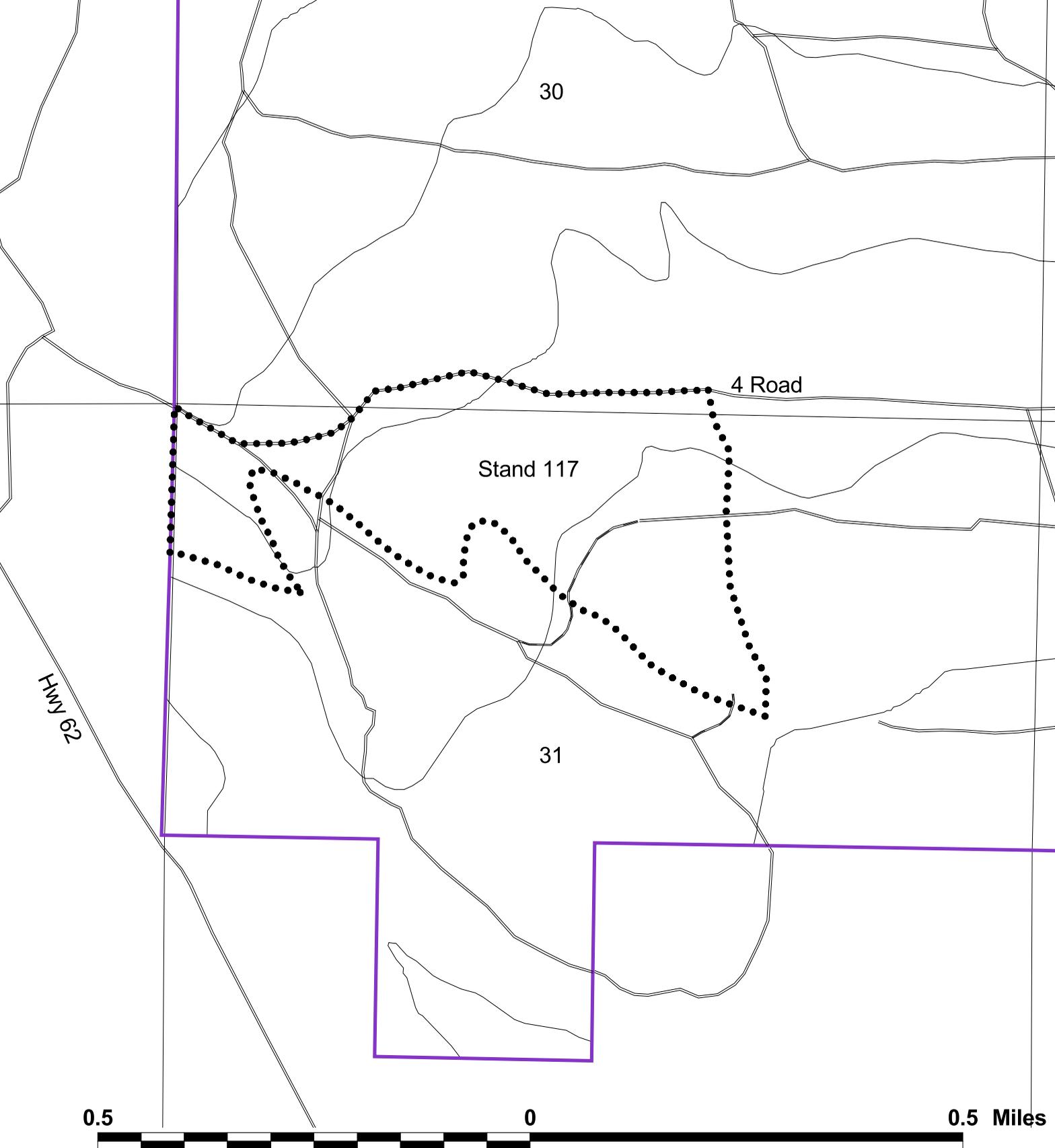
There are no visual concerns associated with the sale area.

XIII. OTHER RESOURCE CONSIDERATIONS:

None

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY

The sale area is classified as Focused Stewardship. This classification is in place because the sale area is in the Sun Creek Cooperative Road Closure. The closure prohibits public use of wheeled, motorized vehicles from November 1 to June 30 each year. The closure has as its primary objective the reduction of human and vehicular harassment to elk during critical calving and early winter staging periods. The Memorandum of Understanding with the Oregon Department of Fish and Wildlife prohibits sale operations during the May-June calving period in most of the closure area including this sale area.



Legend

- Timber Sale Boundary
- Existing Roads
- Road Improvement
- Sun Pass State Forest Boundary



FY 08
 Klamath-Lake District
 Annie Haul Timber Sale
 T.32S.,R.7.5E., Sec. 30,31 W.M.
 Klamath County, Oregon
 Approximately 85 Acres
 Attachment A

This product is for informational purposes and may not have been prepared for, or suitable for legal, engineering, or surveying purposes.