

# Pre-Operations Report

**Operation Name: Vic Tree**  
**County: Lane**  
**Management Basin: Western Lane**  
**Legal Description: Sec 18, T16S, R06W**

**Table 1. Operation Areas, Types and Acres**

Area	Type of Operation	Gross Acres	Net Acres
1	Moderate Thinning	68	68

Gross and net acres include Type N stream buffers (if any) and within-unit roads.

## **I. PHYSICAL DESCRIPTION OF OPERATION AREA:**

The sale area is 33 miles from the coast and 14 miles west of Eugene. Elevation is approximately 1100 feet. Slopes are moderate with little exceeding 50%. The climate is cooler and wetter than Eugene. The soil information is unknown for this management parcel.

## **II. CURRENT STAND CONDITION:**

The entire area is comprised of two SLI stands basically originating after wildfires that occurred in the first part of the 20<sup>th</sup> century. During the 1940's or 50's, portions of the area were highgrade logged, removing the best of the trees that survived the fires and leaving the deformed and rotten. The area was not managed and a mixture of hardwood and conifer regenerated in the holes left from highgrading.

Stand Level Inventory (SLI) has not been completed on the two stands and OSCUR inventory information was used.

The sale area consists of second growth Douglas-fir, alder and maple scattered and in small patches, and scattered old DF.

The understory is primarily composed of various typical coast range shrub species and is lacking conifer regeneration. Portions of the stands have very little understory vegetation compared with other areas in the District.

**Table 2. Stand Inventory Information (Net Acres)**

Area	Prescription	Stand ID <sup>1</sup>	Species	Age	DBH	BA	TPA	SDI	Acres <sup>2</sup>
1	M Thin	15047	DF	66	18.0	211	119	55	45
1	M Thin	15045	DF	55	17.7	262	153	63	23

1 For Stands 15045 and 15047, the source of stand inventory information is OSCUR from 1980 grown forward to 2005 with a growth model. Ages have been updated to 2006.

### III. DESIRED STAND CONDITION AND VISION:

**Table 3. Stand Structure Information (GROSS Acres)**

Area	Stand ID	Current	Post Harvest	Desired Future	Acres
1	15047	UDS	UDS	General	45
1	15045	UDS	UDS	General	23

Post Harvest: The stand is expected to develop into this condition in the five years after this operation is completed.

The sale area has a DFC of General. The Vision begins with a moderate thinning within the Douglas-fir dominated overstory portions (cut to a RD 25 to 35). This entry is designed to manage the density of the stands by removing portions of the existing overstory. The activity will provide increased growth to the residual stand. Understory growth will also benefit from the activity. All hardwood, western hemlock, western redcedar, "safe" snags, and downed wood will remain in the stand.

The proposed activity will maintain the stand as General and allow a future opportunity of revising the classification if future stand conditions warrant a change.

### IV. PROPOSED MANAGEMENT PRESCRIPTION and ANTICIPATED PATHWAY:

Douglas-fir trees will be selected for harvest with a target RD being 25 to 35. All other species will be reserved from harvest. Douglas-fir greater than 24 inches DBH will be reserved from harvest. No brush control or underplanting is anticipated.

Under the current DFC of GEN, the next management entry will be a clearcut in perhaps 30 years.

Approximately 34 snags will be created from Douglas- fir trees with diameters greater than 18 inches. Created snags will range from 40 feet to 70 feet in height. The tops fro the snag creation will be left in place and add to the downed wood component. The general area had some blowdown resulting from the winter of 2003/04. Additional new wood will come from breakage, missed logs, and the tops of created snags. At this time we have no plans to fell trees specifically to create additional down wood. However, SLI may suggest that our goal of 600 cu feet of class 1 and 2 wood is unlikely to be met without intentionally leaving sound down wood. In that case we will contractually require a minimum number of logs to be left.

**V. ESTIMATED TIMBER AND REVENUE INFORMATION:**

**Table 4. Timber and Revenue**

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%	<input type="checkbox"/>	X
Planned Quarter: 4			

	Conifer	Hardwood	Total
Net Volume (MBF)	860	0	860
Stumpage Value (\$/MBF)	\$350	0	
Estimated Gross Value	\$ 301,000	0	\$ 301,000
		Project Costs:	\$84,000
		Estimated Net Value:	\$217,000

**VI. TRANSPORTATION PLANNING AND HARVESTING:**

One half mile of old, overgrown road will be reconstructed plus another half mile of new construction will be necessary. All roads will be rocked to allow for all season accessibility.

All road construction and reconstruction is either on moderately sloped topography or along the ridge top. The ridge top collector road will provide access for future sales. There is low potential for road construction debris to enter into live stream channels. Since this is a dry area with stable slopes, full bench construction will be required only on slopes over 65%. It is not expected that any portion of any road will be built on slopes steeper than this. The sale requires a R/W agreement with a private land owner and BLM.

The sale area consists of approximately 80% cable yarding and 20% ground-based yarding.

**Table 5. Transportation Planning Summary (Miles).**

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0.6	0.4	
Improve	0	0	0	
Maintain	0.1	1.9	0.6	
Close/Block	0	0	0	
Vacate	0	0	0	

**VII. AQUATIC RESOURCES AND WATER QUALITY:**

The sale area may contain small non-fish streams which may consist of both perennial and annual portions. The Management Standards for Aquatic and Riparian Areas found in the *NWO State Forests Management Plan* (pg. J-1 - J-16) will be the minimum standards followed within these RMAs. No perennial streams were found in the initial reconnaissance.

**VIII. T&E SPECIES CONSIDERATIONS:**

**T&E Birds:**

The sale is greater than 1.5 miles from any known spotted owl circle and contains potential marbled murrelet trees. The sale area will be surveyed for spotted owls and marbled murrelets for two years prior to auction.

A preliminary biological assessment addressing spotted owls and marbled murrelets will be completed by the Area biologist prior to beginning sale preparation.

**T&E Plants:** The sale area was checked against the Oregon Natural Heritage Program (OHNP) database of known listed plant locations. The sale area was also checked against district knowledge for any listed plant location. No listed plant records were identified within the sale area.

**IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:**

Portions of the area are moderately steep (up to about 50%). Road construction is primarily along the ridge top and little. If high landslide hazard locations are identified in the sale area during timber sale layout (not expected), the geotechnical specialist will be consulted.

Vegetation retention practices for potential debris flow track reaches as prescribed in the Management Standards for Aquatic and Riparian Areas

(Appendix J, Table J-2) will be applied to debris torrent prone reaches where applicable. Road construction will avoid high landslide hazard locations.

**X. FOREST LAND MANAGEMENT MANAGEMENT CLASSIFICATION:**

The sale area contains Focused Stewardship for aquatic and riparian habitat.

**XI. RECREATION RESOURCES:**

Unauthorized motorbike and quad trails are common on private, federal, and state land in this area. Slash from logging operations may temporarily disrupt their activities.

The proposed activities will promote understory vegetation that will provide feed for deer and elk, enhancing hunting opportunities.

**XII. CULTURAL RESOURCES:**

No cultural resources sites are known to exist in the area.

**XIII. SCENIC RESOURCES:**

A small portion of the sale area may be seen from Highway 36 which is over 1200 feet away.

**XIV. OTHER RESOURCE CONSIDERATIONS:**

None known.