

Pre-Operations Report

Operation Name: Osweg Alder No. 2

County: Clatsop

Management Basin: Buster

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Modified Clearcut	19	19
Total	Modified Clearcut	19	19

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

These sale areas are all located in the Buster Basin. This area is dominated by red alder with scattered conifer. The primary soil type present is Grindstone (Gz). These soils are deep, well-drained soils, with fine to moderate-textures. Site index averages from 130 (II+) feet for the Douglas-fir, and 110 feet (III+) for the western hemlock.

The sale is located along a very gentle ridge that divides Osweg Creek and Cow Creek, both tributaries of the Nehalem River. The sale area drains onto very gentle terrace deposits above the Nehalem River. The sale is underlain by sedimentary rocks of the informal Hamlet formation, primarily mudstone with some sandstone.

II. CURRENT STAND CONDITION:

Area 1: The current stand is 50 to 60 years old, and is composed primarily of red alder with scattered conifers at an average DBH of 12 inches. The stand is categorized as Closed Single Canopy the stand density is between SDI 67 and 94.

The existing amount of snags and large woody debris is not known at this time. Evaluation of existing snags and large woody debris will be conducted during actual sale layout.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	SDI	Acres ²
1	MC	2261	RA, WH	53	12	251	298	94	15
		2263	RA,WH	54	12	181	214	67	4
		Target ³	DF, WH, C				3		19

¹ The source of stand inventory information is grown forward OSCUR 2002

² The acres are based on GIS and exclude roads, streams buffers, reserve areas, etc.

³ The Target identifies expected stand characteristics (DBH, BA, TPA and SDI) after harvesting has been completed.

III. DESIRED STAND CONDITION:

Area 1 is classified as General Stewardship. It will be clearcut and replanted with a mixture of conifer species.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Acres
1	2261	CSC	REG	General	15
	2263	CSC	REG	General	4

¹ The stand is expected to develop into this condition in the five to ten years after this operation is completed.

IV. PROPOSED MANAGEMENT PRESCRIPTION:

Area 1 is a modified clearcut that will be replanted with a mixture of conifer species. An attempt will be made to leave an average of five green trees per acre scattered and/or clumped throughout the unit. If during sale layout it is determined that this does not make operational sense or is not feasible then additional leave trees will be left within the regeneration harvest unit of the Goose Pit Combination (Area 4) sale to ensure that the landscape target for the leave trees is met. Minor species found may be reserved from cutting; further consideration of those species will be taken during sale layout.

During all harvesting activities, all existing snags will be retained unless deemed to be safety hazards. Where fewer than two hard snags per acre are found to exist during sale layout, opportunities for snag creation or leaving additional live green trees will be implemented to supplement landscape snag levels (FMP, "Landscape Management Strategy 3c. Snags", pages 4-53 and 4-54) In addition, individual and small clumps of non-merchantable alder may be left in operationally feasible areas to provide short term snag recruitment.

For all harvesting activities, all existing down woody debris will be retained. Down woody debris levels will be assessed and if deficiencies are found to exist on an individual unit, then additional conifer trees and/or conifer logs will be retained to meet the landscape targets for down woody debris as prescribed in the FMP if possible. If this is not possible then additional down wood will be left within the regeneration harvest unit of the Goose Pit Combination (Area 4) sale to ensure

that the landscape target for down wood is met. (FMP, "Landscape Management Strategy 3d. Down Wood." pages 4-54 and 4-55.)"

Site preparation and reforestation planning will be evaluated with the reforestation forester during sale layout.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	0%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Planned Quarter:		4th	

	Conifer	Hardwood	Total
Net Volume (MBF)	100	510	610
Stumpage Value (\$/MBF)	\$350	\$250	
Estimated Gross Value	\$350,000	\$127,500	\$477,500
	Project Costs:		\$0
	Estimated Net Value:		\$477,500

VI. TRANSPORTATION PLANNING AND HARVESTING:

Access is Highway 26 to Osweg Creek Road. No access easements are required.

The slopes in the unit are under 35% allowing ground logging over entire sale area. No new sale access roads will need to be constructed for harvest of this unit.

Table 5. Transportation Planning Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.0
Improve	0.0	0.0	0.0	0.0
Maintain	0.0	1.8	0.2	0.0
Close/Block	0.0	0.0	0.0	0.0
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

Type F and Domestic Use Streams: There are no Type F or domestic use streams within the timber sale boundaries. However there is a domestic use site approximately 100 feet South of the Area 1 boundary. The FMP riparian

management area strategies that will be implemented are found in the FMP, Appendix J, "Management Standards for Aquatic and Riparian Areas", pages J-1 through J-16.

Type N Streams: There are no known Type N streams located within the timber sale boundaries

The operation is not in proximity to streams in which listed fish are present.

VIII. T&E SPECIES CONSIDERATIONS:

The ODF Northwest Area Biologist determined on March 4, 2004 that the sale area did not contain suitable habitat for Marbled Murrelets.

The sale area has been determined to be potentially suitable habitat for Northern Spotted owls and surveys were conducted in 2004 with two responses that were attributed to the Buster Quarry site. Additional surveys will be conducted in 2005.

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 (OHNP) database of known listed plant locations. No listed plant records were identified within the sale area.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

The topographic map indicates that there are no high landslide hazard locations within the sale area. The risk to the Nehalem River is very low. The geotechnical specialist may be consulted if concerns arise during sale layout.

X. RECREATION RESOURCES:

This area receives little or no recreation use. The Clatsop State Forest Recreation Plan does not list any specific activities for this portion of the basin.

Initial record review indicated that Area 1 may include a portion of the Salem-Astoria Military Road as identified by inventories conducted in the summer of 2002. No such road was found in the adjacent timber sale during sale preparation during 2003.

XI. CULTURAL RESOURCES:

No known cultural resources are within or adjacent to the operation.

XII. SCENIC RESOURCES:

All sale areas are of medium visual sensitivity (level 2)

XIII. OTHER RESOURCE CONSIDERATIONS:

The survey requirements are as follows: Area 1- The southern boundary abuts private ownership and has been blazed. Two corners in the southeastern boundary need to be found and protected. All bearing trees that fall within the timber sale area should be high stumped.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Area 1 is classified as general stewardship.

Table 6. Land Management Classification Summary

Area	LMCS Subclass	Focused Stewardship	Special Stewardship
1	Aquatic & Riparian	1	0

This table summarizes the acres of Focused and Special Stewardship within the operations. The acres in each operational area in this table do not necessarily add up to its gross or net acres, because of overlapping classifications under the Land Management Classification System. For example, a particular acre can be classified as Focused Stewardship for Aquatic and Riparian, Recreation, and Scenic resources.