

Pre-Operations Report

Operation Name: Table Mountain
County: Lincoln
Management Basin: Scattered Coastal

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
	Partial Cut	67	64

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation consists of a low intensity partial cut. The unit is in the western hemlock zone. Average annual rainfall is 100" to 150". The soils in this area are unclassified. The soils in the nearest State Lands that are classified are Valino.

The operation area is located on gentle to moderate slopes on the west side of Table Mountain on a spur-ridge between unnamed tributaries to Drift Creek and Slide Creek. The underlying rock is sedimentary origin rocks of the Tye Formation with very thick sequence of rhythmically bedded, medium- to fine-grained marine sandstone and siltstone

Aspect is north/south.

II. CURRENT STAND CONDITION:

The operation area supports dense 75 year old Douglas-fir with some western hemlock intermixed. There is a small patch of relatively pure hemlock present in the northwest part of the unit. There are a few snags and some down wood in the operation area. Understory species include some small hemlock seedlings, rhododendron, salal, vine maple, Oregon grape, and sword fern.

The stand type is classified as Understory (UDS).

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	RD	Acres ²
	Partial Cut	19025	D-fir	75	19	320	162	73	64
		Target ³			21	240	100	52	

¹ The source of stand inventory information is district inventory plots from 2004.

² The acres are based on orthophotos and GIS and excludes roads, stream 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:

According to the district's landscape design, the operation area is designated as DFC Complex and is targeted to become Older Forest Structure (OFS). The anticipated pathway is to move from UDS to Layered (LYR) to OFS through future thinnings.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Acres
	19025	UDS	UDS	OFS	64

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:

The operation is located within a spotted owl management circle and is positioned just outside the 0.7 mile circle originating from the activity center. The area biologist has established that the operation area contains suitable owl habitat. The biologist has determined that there is insufficient acreage of suitable habitat within the owl circle. Therefore, the thinning prescription is designed to maintain suitable habitat and leave the overall integrity of the stand intact.

The proposed thinning prescription would result in the retention of about 100 Douglas-fir and hemlock trees that average 21" DBH. The relative density of the stand would be approximately 52, after harvest.

All hardwood trees and conifer trees other than Douglas-fir will be retained.

The natural formation of snags and down wood will be monitored for five years after the operation. If natural recruitment of these resources is not considered sufficient by the area wildlife biologist, snags and down wood will be created.

The hemlock seedlings that are present in the understory will receive some minor release as a result of the thinning. Some additional seedlings may also become established following harvest.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
%	100%		X
Planned Quarter: Alt.			

	Conifer	Hardwood	Total
Net Volume (MBF)	600	0	600
Stumpage Value (\$/MBF)	\$250	0	
Estimated Gross Value	\$150,000	0	\$150,000
		Project Costs:	\$33,000
		Estimated Net Value:	\$117,000

VI. TRANSPORTATION PLANNING AND HARVESTING:

Access to the operation area is from Lincoln County road #31 and from U.S. Forest Service and Plum Creek Timber Co. roads. The county road is paved while the other roads are gravel surfaced and in good condition. Use of the Forest Service and private roads will require access permits.

The major road system that will provide access to the operation area is in place. The road that traverses the operation area from east to west accesses approximately 75% of necessary landings. Approximately 0.2 miles of new road will need to be constructed to provide additional access. The location of these roads is on gentle ground. Because existing roads already access the majority of the sale area, no other harvest alternatives were considered.

About 0.8 miles of road improvement will be necessary.

Harvesting timber in the operation area would require a combination of about 80% ground skidding and 20% cable yarding.

A gate will be installed on the east side of the main access road to restrict vehicle travel to the west.

Table 5. Transportation Planning Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0	0.2
Improve	0	0	0	0.8
Maintain	0	8.7	0	0
Close/Block	0	0	0	0.2
Vacate	0	0	0	0

* For determination of road class either use results of the Harvest and Habitat roads classifications, or if this information is not available then low use roads are spurs, medium use roads are collectors and high use roads are mainlines. Use these same criteria when comparing the total for all AOP sales to the IP plans.

VII. AQUATIC RESOURCES AND WATER QUALITY:

There are no streams in the operation area.

VIII. T&E SPECIES CONSIDERATIONS:

Suitable habitat for northern spotted owls and marbled murrelets exists in the operation area. Surveys for both species were conducted in 2004 with no detections and will be continued in 2005.

The area biologist will need to draft a biological assessment for this operation since it is located in a spotted owl management circle. Consultation with U.S. Fish and Wildlife service will also be required.

The operation area was checked against district knowledge for any listed plant location. The operation 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 operation area.

The Land Management Classification System for the wildlife habitat category determined that all of the operation area is owl habitat.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

The initial assessment by the geotechnical specialist is low. The geotechnical specialist may be consulted if concerns arise during sale layout.

X. RECREATION RESOURCES:

Recreation for the operation area consists of hunting.

XI. CULTURAL RESOURCES:

There are no known cultural resources within or adjacent to the operation area.

XII. SCENIC RESOURCES:

The operation area is not visible from any paved highway.

XIII. OTHER RESOURCE CONSIDERATIONS:

No other resource considerations have been identified.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Management Classification Summary

Area	LMCS Subclass	Focused Stewardship	Special Stewardship
	Wildlife Habitat	64	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.