

Pre-Operations Report

Operation Name: East Rogers

County: Tillamook

Management Basin: Rogers

Legal Description: Sec. 13, T01N, R06W, W.M.

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
I	Modified Clearcut	78	71
Total	Regeneration Harvest	78	71

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

Sale area is an east-west oriented ridgetop with mainly south and north aspects. Elevations range from 2300 to 2600 feet. The major soil types are Jewell and Osweg. The sale area occupies a ridge above small tributaries of South Fork Wilson River.

The landforms are gentle to moderate slopes in the headwater of the South Fork of the Wilson River just below the divide with Scoggins Creek. The underlying rock is igneous, Tertiary intrusive diabase with pillowform and radial columnar joints, sills are cut by regional dike swarms of the Tillamook Volcanics.

II. CURRENT STAND CONDITION:

The sale area burned in the 1933, 1939 and 1945 Tillamook Burns and was artificially regenerated. This area has had no prior stand management.

Approximately 57 acres (80%) have been inventoried using the Stand Level Inventory (SLI) procedure and the stands have been classified as UDS. The remaining 14 acres (20%) of the sale are classified as UDS based on the Current Condition map that appears in the Forest Grove District Implementation Plan (*March 2003*).

The stand is composed of mostly Douglas-fir with scattered hemlock, noble fir and cedar. There is an old landing in the unit that contains red alder.

The stand contains minor amounts of *Phellinus weirii*, *Armillaria* and bear damage.

The understory in the sale area is comprised primarily of vine maple, sword fern, dwarf Oregon grape, red huckleberry, and oxalis. Average ground cover from SLI data is 80%.

SLI data shows that there are approximately 8 snags/acre, 12" dbh+, of all decay classes including 1.4 hard snags/acre, 15" dbh+. The data shows total down woody debris of 8000 cu. ft./acre, with no DWD in classes 1 & 2.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	SDI	Net Acres ²
I	MC ³	7953*	DF,WH	57	16	210	149	53	14
		7967	DF,RA	49	17	263	173	64	57

¹ The source of stand inventory information is from SLI in 2004. Stand ID shown with (*) is from SLI expanded data 10/6/2004.

² The acres are based on GIS and exclude existing and planned roads, stream buffers, and green tree retention areas.

³ MC is Modified Clearcut.

III. DESIRED STAND CONDITION:

The harvest operation will develop this stand into a Regeneration structure in the short term, which is the District's DFC for this stand.

All existing snags and down woody debris of all decay classes shall be retained as safety allows.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Net Acres
I	7953	UDS	REG	GEN	14
	7967	UDS	REG	GEN	57

¹ The stand is expected to develop into this condition in the five to ten years after this operation is completed, except in REG stands which occur after harvest.

IV. PROPOSED MANAGEMENT PRESCRIPTION:

Modified Clearcut:

Douglas-fir, alder and hemlock will be harvested. Other species will be reserved.

A variety of methods will be used to achieve green tree retention requirements, which may include green tree retention areas, stream buffers, protection of precipitous slopes, and trees scattered across the sale area. These methods will be used in combination or alone to achieve a retention target of 9 live trees per acre, some of which will be hardwoods. 2 of the 9 live trees retained per acre shall be topped to create hard snags.

Existing snags determined not to be a safety hazard will be retained and any felled snags will be left for down wood. Snags shall be evenly distributed throughout the sale area.

All existing DWD will be reserved in the sale area. DWD recruitment is expected through windthrow of residual trees, tops from snag creation, and logging slash.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Planned Quarter:		1	

	Conifer	Hardwood	Total
Net Volume (MBF)	2,500		2,500
Stumpage Value (\$/MBF)*	\$400		
Estimated Gross Value	\$1,000,000		\$1,000,000
		Project Costs:	\$106,000
		Estimated Net Value:	\$894,000

*Combined Douglas-fir and hemlock stumpage values

VI. TRANSPORTATION PLANNING AND HARVESTING:

The sale area is accessed via the Beaver Dam Road and an existing spur. These are all-weather, crushed rock roads.

Approximately 1.1 miles of road will be constructed to provide access to cable and/or ground yarding landing locations. New construction is limited to ridgetops and gentle to moderate sideslopes. The proposed road will cross 1 perennial, small, type N stream. Project work estimated cost: \$50,000.

In addition, 1.0 miles of an old legacy road will be improved for access to a future planned sale and to address water quality concerns caused by unauthorized OHV use. This road will cross 2 perennial, small, type N streams, one of which has an old log puncheon, which will be replaced. About 0.2 mile of this old road will be decommissioned at the end of the road. Project work estimated cost: Improvement: \$51,000. Decommissioning \$5,000.

The proposed road locations do not pass through any of the steep slopes in the sale area.

All project roads will have high quality crushed rock or pit run surfacing. Roads will provide access to all timber within the sale area and allow for logging

methods and hauling which will minimize impacts to soils, residual timber, streams, and riparian areas. Following harvest, roads and skid trails within the sale areas will be evaluated for closure.

Sale related project work - estimated costs \$101,000
 Other project work - estimated costs \$5,000.

The operation will be 35% cable yarding and 65% ground yarding.

Table 5. Transportation Planning Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	1.1	0
Improve	0	0	0	0.8
Maintain	6.0	0	1.0	0
Close/Block	0	0	0	0
Vacate	0	0	0	0.2

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 Type F streams within or adjacent to the sale area.

There are 3 unnamed, small, perennial Type N streams within the sale area, which are tributary to South Fork Wilson River 1-2 miles downstream. Riparian area stand types along these streams are generally hardwood / conifer mixed.

In order to protect water quality during active operations, a variety of methods will be used to prevent sediment from entering live streams. These methods include (but are not limited to) maintaining culverts and other road drainage structures, using sediment control devices in road ditches when necessary, and seasonal restrictions on logging and hauling operations. Culvert installment and replacement in live streams will be conducted between July 1 to Sept. 15. Operations outside of this period will be reviewed with ODFW.

VIII. T&E SPECIES CONSIDERATIONS:

The sale area has been reviewed with the ODF Northwest Oregon Area Biologist (Area Biologist).

Surveys for northern spotted owls were conducted in 2004 due to the presence of potentially suitable spotted owl habitat within and adjacent to the timber sale

area. East Rogers was surveyed for spotted owls three times in 2004 with no responses, and the second year of survey will be completed in 2005. All surveys were/will be conducted in accordance with USFWS protocol.

Surveys for marbled murrelets are not required, due to the absence of potentially suitable habitat within the sale area. The ODF wildlife biologist for the NW Oregon Area made the determination that the sale area is non-suitable habitat for marbled murrelets.

This operation involves an activity that is listed in the National Marine Fisheries Service adopted rules under Section 4(d) of the Endangered Species Act. The haul route is in proximity to streams in which listed salmon and/or steelhead are present. For a discussion of protection measures for listed fish, see sections VI and VII.

The sale area was 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 initial assessment from the geotechnical specialist is low. There are only a couple of steep slopes in the sale area. The geotechnical specialist may be consulted if concerns arise during sale layout.

X. RECREATION RESOURCES:

The sale area is designated as Motorized in the Tillamook State Forest Comprehensive Recreation Plan (1993).

There is an active trail construction project in and adjacent to the sale area. The trail is called the Cedar Tree Trail. Coordination between the Recreation Unit and the Sale Planner has resulted in mitigation of impacts to the trail and the sale projects. Unauthorized trails in the sale unit will be closed to OHV use after logging. The unauthorized OHV use of the legacy road will be resolved by road improvement and vacation. Additional measures to be taken include maintaining the character of the trail, public information and signing, minimizing disruption to trail use during timber sale operations and trail repair. The spur roads may be blocked after sale activities are completed.

XI. CULTURAL RESOURCES:

The sale area was checked against the Tillamook State Forest Cultural Resource Inventory database. No cultural resource records were identified within the sale area. If any significant cultural resources are located during sale preparation, the Public Use Coordinator (ODF Salem Staff) will be consulted regarding potential protection measures.

XII. SCENIC RESOURCES:

The sale area has a visual classification of Level 3, low sensitivity.

XIII. OTHER RESOURCE CONSIDERATIONS:

No known. All known survey corners and witness trees shall be protected from damage during any operations.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Management Classification Summary. This table summarizes the acres of Focused and Special Stewardship within the operations. Due to overlapping classifications under the Land Management Classification System, the acres summarized for each operational area in this table may exceed the net or gross acreage of the area. For example, a particular acre can be classified as Focused Stewardship for Aquatic and Riparian Habitat, Recreation, and Scenic resources.

Area	LMCS Subclass	Focused Stewardship	Special Stewardship
I	Aquatic and Riparian Habitat	15	0
	Recreation	70	0