

Pre-Operations Report

Operation Name: Windy William (Alternate)
County: Washington
Management Basin: Sunday Creek

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
I	Modified Clearcut	119	99
Total	Regeneration Harvest	119	99

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

Slopes have a north aspect and range from 10% to 60%. Elevations range from 2000 to 2400 feet. The major soil types are Jewell, Rye and Killam. The sale is on the upper slope above a tributary of the North Fork of the North Fork of the Trask River.

The landform is a gentle spur-ridge and the headwaters of a tributary of the North Fork of the Trask River below Grindstone Ridge just north of Windy Point. The underlying rocks are mostly igneous origin flows of the Basalts of Hembre Ridge (informal formation) and intrusive diabase sills.

II. CURRENT STAND CONDITION:

The sale area was a part of the 1933, 1939 and 1945 Tillamook Burn fires.

The sale area has been inventoried using the Stand Level Inventory (SLI) procedure and has been classified as UDS.

The Douglas-fir stand is overstocked and many of the intermediate and codominant trees are showing severe signs of over-competition.

No significant insect or disease problems have been discovered at this time.

The understory is comprised primarily of vine maple, sword fern, salal, and dwarf Oregon grape.

SLI data shows a range of approximately 4 to 13 snags per acre and 2500 to 8200 cubic feet of down woody debris (DWD) per acre. Most of the snags are decay class 2 and the DWD is decay class 4.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age ⁴	DBH	BA	TPA	SDI	Net Acres ²
1	MC ³	8080	DF	45-52	15	224	188	58	73
		8092	DF	39-52	16	173	126	44	26

¹ The source of stand inventory information is from SLI inventory grown to 2005.

² The acres are based on GIS and exclude existing and planned roads, stream buffers, and green tree retention areas. Clear cut acres do not exceed 120 acres.

³ MC is modified clearcut.

⁴ Actual measured breast height ages are shown unless labeled "est."

III. DESIRED FUTURE CONDITION/VISION:

According to the Forest Grove District's landscape design for the Sunday Creek basin, the desired future condition (DFC) for this stand is 100% General (GEN). The harvest operation will develop this stand into REG structure in the short term.

The sale will be planted with a mix of conifer species, predominantly Douglas-fir, and managed for timber production. Retaining some green trees, creating snags, adding down woody debris and planting a variety of tree species will provide habitat for early seral wildlife species between harvest intervals. It is anticipated that the newly established plantation will be scheduled for precommercial thinning at approximately age 15 and commercial thinning at approximately age 40 before the next modified clearcut harvest at age 60. The stand will move through the REG, CSC and UDS conditions between harvest intervals.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Net Acres
1	8080	UDS	REG	GEN	73
	8092	UDS	REG	GEN	26

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 AND PATHWAY:

Modified Clearcut:

Douglas-fir and alder will be harvested. All other species will be reserved. Existing snags determined not to be a safety hazard will be retained and any felled snags will be left for down wood. Two trees per acre shall be topped to create hard snags. Snags will have a DBH of at least 18 inches, and be at least 60 feet in height. Additional snags will be created over time through natural processes.

A variety of methods will be used to achieve green tree retention requirements, which include green tree retention areas, stream buffers and trees scattered across the sale. These methods will be used in combination to meet the green tree requirement in the Forest Management Plan (FMP) and provide snags and DWD to the stand.

All existing DWD will be reserved in the sale areas. DWD recruitment is expected through mortality, windthrow of residual trees, felled snags, and logging slash.

The sale area will be planted with 90% Douglas-fir and 10% other conifers. There is no site preparation planned for this sale. It is anticipated that the newly established plantation will be precommercially thinned at approximately age 15 and commercially thinned at age 40. At approximately age 60 this stand will be scheduled for a modified clearcut.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%	X	
Planned Quarter: Tier 2			

	Conifer	Hardwood	Total
Net Volume (MBF)	3,800		3,800
Stumpage Value (\$/MBF)	400		
Estimated Gross Value	1,520,000		1,520,000
		Project Costs:	100,000
		Estimated Net Value:	1,420,000

VI. HARVESTING AND ACCESS CONSIDERATIONS:

The sale is accessed via Turner Creek Rd and North Fork North Fork Trask River Rd and Williams Rd. An access easement must be obtained from Stimson Lumber Co.

Approximately 2.7 miles of existing surfaced road will be improved which includes grading, rocking, widening, culvert replacement, spot rocking, sidecast pullback, and adding new culverts. This work will bring all roads up to standards described in the Forest Roads Manual. See maps for specific road locations and conditions.

Approximately 0.2 miles of ridgetop road will be reconstructed to realign an existing road and provide access to landing locations.

All haul 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.

Estimated cost of project work is \$100,000.

The operation will be 70% cable yarding and 30% ground yarding.

Table 5. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construction	0	0	0.2	0
Improvement	0	2.7	0	0
Maintenance	4.5 ¹	10.7 ¹	0.2	0
Vacation	0	0	0	0

¹ Includes third party roads.

VII. AQUATIC RESOURCES AND WATER QUALITY:

An unnamed tributary of the North Fork of the North Fork of the Trask River is assumed to be a medium Type F stream adjacent to the sale. Several small perennial Type N streams are also within or adjacent to the sale. Riparian area stand types along these streams are a conifer and hardwood mix.

Stream buffers within harvest unit boundaries will be managed according to FMP Riparian Strategies. The riparian areas will be reviewed during sale layout for current stand conditions and/or operational constraints for implementing FMP strategies.

The Trask Watershed Analysis will be checked for recommendations that could be applied during this sale.

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 and September 15. Operations outside of this period will be reviewed with ODFW.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

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

Spotted owl surveys are not required for Windy William, as the sale area is within the Tillamook Burn (see November, 2002 ODF Policy Guidance: *Northern Spotted Owl Surveying on State Forest Lands*).

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 does not involve an activity that is listed in the National Marine Fisheries Service (NMFS) adopted rules under Section 4(d) of the Endangered Species Act. Neither the sale area nor the haul route is in close proximity to a stream with listed fish.

The sale areas were checked against the Oregon Natural Heritage Program (ONHP) database of known listed plant locations, as well as against local records in the Land Management Classification System (LMCS). No listed plant records were identified within or adjacent to the sale areas.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

There are only a few steep slopes scattered through the sale area. The initial hazard and risk assessment from the geotechnical specialist is low. If during field work there are high landslide hazard locations identified, the geotechnical specialist will be consulted.

X. RECREATION RESOURCES:

The sale is designated as Non-Motorized in the Tillamook State Forest Comprehensive Recreation Plan (1993). The District Recreation Coordinator has reviewed this sale, and suggests:

Restricted access through Stimson Lumber Company and Weyerhaeuser lands limits recreational use in this area. Some hunting and camping does occur.

XI. CULTURAL RESOURCES:

The sale area and proposed road construction right-of-way were checked against the Tillamook State Forest Cultural Resource Inventory Database (GIS format). No cultural resource records were identified within or adjacent* to the operation areas. If any significant cultural resources are located during sale preparation, the Public Use Coordinator (ODF Salem Staff) will be consulted regarding potential protection measures.

**Adjacent refers to approximately one tree length from an operation area. For the purpose of this screen, a 200 foot buffer around the sale boundary and proposed road construction right-of-way was assessed for cultural resource locations.*

XII. SCENIC RESOURCES:

The sale has a visual classification of Level 3, low sensitivity. No scenic impact is expected.

XIII. OTHER RESOURCE CONSIDERATIONS:

Property lines have been true blazed and posted.

All known survey corners and witness trees shall be protected from damage during any operations.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Area1 contains Focused and Special Stewardship, Aquatic and Riparian Habitat. See Section VII, Aquatic Resources and Water Quality, for the management guidelines to be utilized.