

# Pre-Operations Report

**Operation Name:** Something Sain (Alternate)  
**County:** Washington  
**Management Basin:** Scoggins

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

Area	Type of Operation	Gross Acres	Net Acres
1	Modified Clearcut	87	66
2	Modified Clearcut	77	68
<b>Total</b>	<b>Regeneration Harvest</b>	<b>164</b>	<b>134</b>

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

Slopes have a south to east aspect and range from 10% to 40%. Elevations range from 1500 to 2100 feet. The soil types have not been surveyed in this area. The sale areas occupy the mid to upper slopes.

The landform is a gentle ridgeline extending from Baseline Ridge dividing Sane Creek from East Fork Sane Creek. The underlying rocks are mostly igneous origin Basalts of Hembre Ridge (informal formation).

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

The sale areas burned in the 1939 and 1945 Tillamook Burns.

Areas 1 and 2 have been inventoried using the Stand Level Inventory (SLI) procedure and the stand has been classified as UDS.

Both areas are composed almost entirely of overstocked Douglas-fir with some red alder in the draws. There are two distinct sizes of conifers. In Area 1 the larger, older cohort is concentrated in stand number 8062 with a few scattered large trees in the rest of the area. Area 2 has a few scattered large trees throughout the area.

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

The understory in all the sale areas is comprised primarily of vine maple with some salal and sword fern.

SLI data shows a range of approximately 4 to 9 snags per acre and 3200 to 7000 cubic feet of down woody debris (DWD) per acre. Two snags per acre are class 1 the rest are decay classes 3 to 5. The DWD is decay classes 3 to 5.

**Table 2. Stand Inventory Information**

Area	Prescription	Stand ID <sup>1</sup>	Species	Age <sup>4</sup>	DBH	BA	TPA	SDI	Net Acres <sup>2</sup>
1	MC <sup>3</sup>	8051	DF	38-42, 89-102	16	250	188	64	47
		8052	DF	48-50	17	217	141	54	9
		8062	DF	95-96	19	266	131	62	10
2	MC <sup>3</sup>	8083	DF	121, 69, 42-46	17	271	177	67	68

<sup>1</sup> The source of stand inventory information is from SLI inventory grown to 2005.

<sup>2</sup> 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.

<sup>3</sup> MC is modified clearcut.

<sup>4</sup> 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 Scoggins basin, the desired future condition (DFC) for Areas 1 and 2 is 100% General. The modified clearcut will develop this stand into REG structure in the short term. Eventually the stand will progress into UDS stand condition.

**Table 3. Stand Structure Information**

Area	Stand ID	Current	Post Harvest <sup>1</sup>	Desired Future	Net Acres
1	8051	UDS	REG	GEN	47
	8052	UDS	REG	GEN	9
	8062	UDS	REG	GEN	10
2	8083	UDS	REG	GEN	68

<sup>1</sup> 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:**

All species except cedar will be harvested in Areas 1 and 2. Each area will have two green tree retention (GTR) areas posted out of the sale. These areas will preserve most of the older Douglas-fir cohort present. Stream buffers and scattered trees selected for snag creation will also achieve some of the GTR requirements. These methods will be used to meet the green tree requirement in the Forest Management Plan (FMP) and provide snags and DWD to the stand, which are expected to develop through natural processes.

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.

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 40 feet in height. Additional snags will be created over time through natural processes.

Following harvest, the sale areas will be reviewed to determine if site preparation is needed. It is anticipated that, if necessary, a mechanical means will be utilized.

The sale will be planted with a mix of conifer species, predominantly Douglas-fir, and managed for timber production. Planting a variety of conifer species, snag creation green tree and down wood retention will allow for some habitat diversity while maximizing future timber growth. It is anticipated that the newly established conifer plantation will be scheduled for a precommercial thinning around age 15 followed by a partial cut at approximately age 40. The stand will be scheduled for a modified clearcut at about age 60.

**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)	4,900		
Stumpage Value (\$/MBF)*	\$400		
Estimated Gross Value			\$1,960,000
		Project Costs:	\$80,000
		Estimated Net Value:	\$1,080,000

\*Combined Douglas-fir and hemlock stumpage values

**VI. HARVESTING AND ACCESS CONSIDERATIONS:**

The sale areas are accessed via Stimson Mainline, Sain Creek Road and unnamed spurs. These are currently crushed rock roads. An access easement will need to be obtained from Stimson Lumber Company. Road use fees will apply.

Approximately 1.8 miles of road will be constructed in order to provide access to landing locations. New construction is limited to gentle to moderate sideslopes. Proposed roads will cross several type N seasonal streams.

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 \$80,000.

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

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

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construction	0	0	1.8	0
Improvement	0	0	0	0
Maintenance	5.0 <sup>1</sup>	6.0 <sup>1</sup>	1.8	0
Vacation	0	0	0	0

<sup>1</sup> Includes third party roads.

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

Two unnamed small streams within the Area 1 may be Type F. There are several unnamed small perennial and seasonal Type N streams within both sale areas. All streams are tributary to Sain Creek.

During sale layout, all streams will be field verified as to size, type, locations, and/or source.

Riparian area stand types along these streams are a mix of conifer and hardwoods.

Oregon Department of Fish and Wildlife (ODFW) will be requested to complete stream surveys on the possible Type F streams before sale layout begins. Streams of unknown status will be treated as Type F until surveys are completed to verify fish use.

Sain Creek contributes to a municipal watershed six miles downstream from the sale areas.

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.

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 30. Operations outside of this period will be reviewed with ODFW.

### **VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:**

The sale areas have been reviewed with the ODF Northwest Oregon Area Biologist (Area Biologist).

Surveys for northern spotted owls were conducted in 2005 due to the presence of potentially suitable spotted owl habitat within and adjacent to the timber sale area. Something Sane was surveyed for spotted owls three times in 2005 with no responses, and the second year of survey will be completed in 2006. All surveys were/will be conducted in accordance with USFWS protocol.

Something Sane was surveyed for marbled murrelets in 2005 due to the presence of potentially suitable murrelet habitat adjacent to the sale area. The presence of murrelets was not detected during the 2005 surveys. The second year of survey will be completed in 2006. All surveys were/will be completed in accordance with PSG protocol.

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 no steep slopes apparent in the sale area. The initial hazard and risk assessment from the geotechnical specialist is low. If during field work, 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 reviewed this sale and had no suggestions.

Restricted access through Stimson Lumber Company land prevents recreational use in this area.

**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:**

Areas 1 and 2 contain Focused Stewardship, Aquatic and Riparian Habitat. See Section VII, Aquatic Resources and Water Quality, for the management guidelines to be utilized.