

# Pre-Operations Report

**Operation Name:** Still Coping  
**County:** Tillamook, Washington  
**Management Basin:** Rogers

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

Area	Type of Operation	Gross Acres	Net Acres
1	Moderate Partial Cut	316	302
<b>Total</b>	<b>Partial Cut Harvest</b>	<b>316</b>	<b>302</b>

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

The sale is located on a gentle ridgetop and moderate slopes in the headwaters of the South Fork of the Wilson River.

Slopes have a north/northeast aspect and range from 0% to 70%, but are predominantly 10% to 50%. Elevations range from 2160 to 3360 feet. Jewell and Elsie are the predominant soil types of the sale area, and there is also a small area of Osweg soils present.

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

The entire sale area has been inventoried using the Stand Level Inventory (SLI) procedure, and these stands have been classified as CSC and UDS (see Table 3).

The sale area burned in the 1933, 1939, and 1945 Tillamook Burns. Portions of the sale area were seeded in 1945/1950 and another area was seeded in the mid-1960's. Much of the sale area was moderately thinned in 1995 down to 130 ft<sup>2</sup>/acre basal area.

This is a 60 year-old, moderate to high elevation, mixed conifer stand. The stand consists of Douglas-fir, hemlock, noble fir, cedar and alder. The current condition is a mix of CSC and UDS, with an understory of vine maple, sword fern, dwarf Oregon-grape, salal, huckleberry, oxalis, and shade tolerant conifers.

### **Snags and DWD:**

Based upon available SLI data there are approximately 35 hard snags per acre, all of which are less than 15 inches DBH. DWD data indicates an average of 243 ft<sup>3</sup>/acre of class 1,2 DWD. Due to the potential for on-going research and current hard snag levels, snag creation will not be included as part of this contract (see

section XIV of this report). The sale area contains minor amounts of *Phellinus weirii* and will not be treated during this entry.

**Table 2. Stand Inventory Information**

Area	Prescription	Stand ID <sup>1</sup>	Species	Age	DBH	BA	TPA	SDI	Net Acres <sup>2</sup>
1	PC-M <sup>3</sup>	7982	DF	60	15	224	189	59	39
		7996	DF	60	16	193	138	49	202
		8013	DF	60	15	221	182	58	41
		8022	DF	60	13	238	264	66	20
		<i>Target</i> <sup>4</sup>	<i>DF</i>		16	140	100	35	302

<sup>1</sup> The source of stand inventory information is from SLI inventory grown forward to 2007.

<sup>2</sup> The acres are based on GIS and exclude existing and planned roads, stream buffers, and non-thinnable areas.

<sup>3</sup> PC-M is Moderate Partial Cut.

<sup>4</sup> The Target row for partial cut areas identifies expected stand characteristics (DBH, BA, TPA and SDI) after harvesting has been completed.

### III. DESIRED FUTURE CONDITION/VISION:

According to the Forest Grove District's landscape design, the sale area is 36% LYR, and 64% GEN.

This is a second entry partial cut on approximately 70% of the area. By conducting a moderate partial cut, the area will receive release allowing for increased diameter growth in reserve timber, as well as allowance for understory development.

**Table 3. Stand Structure Information**

Area	Prescription	Stand ID	Current	Post Harvest <sup>1</sup>	Desired Future	Net Acres
1	PC-M	7982	CSC	UDS	GEN	39
		7996	CSC	UDS	GEN	135
					LYR	67
		8013	UDS	UDS	LYR	41
		8022	UDS	UDS	GEN	20

<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:

Moderate partial cut to an RD of 35 and a residual basal area of 130-150. Minor species such as, noble fir and cedar, will be reserved from cutting. Douglas-fir and hemlock will be thinned to retain the current species mix. After harvest,

average dbh will be 16-17 inches. The area will be a mix of cable and ground based harvest operation. Recommendation for this site is to receive another moderate partial cut in 15-20 years to further increase diameter growth and advance understory development in areas moving toward LYR stand structures. After this partial cut harvest, regeneration harvest should be considered in 10-15 years in order to promote landscape level diversity by creating REG structures.

All existing snags which do not present a safety hazard, and down woody debris of all decay classes shall be retained. Additional DWD recruitment is expected through felled snags, logging slash and possible windthrow events. The overstory of large trees will provide some future snags and down wood as the understory develops.

As discussed furthered in section XIV of this report, a portion of the sale area is classified as Focused Stewardship, Research/Monitoring Subclass as part of an ongoing COPE then CFER study. Study participants met previously onsite and agreed that a moderate partial cut prescription for Still Coping would not be detrimental to data gathering associated with the ongoing study. Due to the potential for on-going research and current hard snag levels, snag creation will not be included as part of this contract.

**V. ESTIMATED TIMBER AND REVENUE INFORMATION:**

**Table 4. Timber and Revenue**

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%		X
Planned Quarter:		4	

	Conifer	Hardwood	Total
Net Volume (MBF)	3600		3600
Stumpage Value (\$/MBF)	\$300		
Estimated Gross Value			\$1,080,000
		Project Costs:	\$200,000
		Estimated Net Value:	\$880,000

**VI. HARVESTING AND ACCESS CONSIDERATIONS:**

The sale areas are accessed via Beaverdam, C-line, and Seven Cedars Roads, which are currently all weather, crushed rock surface roads.

Approximately 4.0 miles of Beaverdam Road will be improved with the timber sale for better access and to improve sustainability. Estimated cost for improvement is \$100,000. Improvement will likely consist of adding a lift of rock and culvert installation/replacement.

A 10,000 CY stockpile of 1 ½” – 0 rock will be constructed at the Brown’s Camp Stockpile site. Estimated construction costs are \$100,000.

The rock will be obtained from the Brown’s Camp Pit.

Since much of this area was thinned in a 1994-95 operation, additional road construction is not required or planned at this time.

Estimated cost of project work is \$200,000.

The operation is estimated to be 55% cable yarding and 45% ground based yarding.

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

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construction	0	0	0	0
Improvement	4.0	0	0	0
Maintenance	4.0	10.0	3.6	0
Closure/Vacation	0	0	0	0

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

According to Forest Grove’s GIS stream layer, a medium, type F tributary of the South Fork of the Wilson River flows along a portion of the northern boundary of the sale. Several unnamed small perennial and seasonal Type N flow within the sale. Any perennial streams identified in the planning process will be managed according to FMP riparian strategies.

This operation involves an activity that is listed in the National Marine Fisheries Service (NMFS) adopted rules under Section 4(d) of the Endangered Species Act. The haul route crosses or is in close proximity to a stream with listed fish. See Section VII and IX of this report for a discussion of protective measures.

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, and using sediment control devices in road ditches when necessary.

High quality crushed rock road surfaces will be maintained and log hauling will be restricted between November 1<sup>st</sup> and March 31<sup>st</sup> of each year. Restrictions may include limiting the number of loads hauled per day, not hauling during periods of heavy moisture, or having an alternate haul route. No culvert installment or replacement in live streams should be needed. 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. T&E SPECIES CONSIDERATIONS:**

Spotted owl surveys are not required for Still Coping, 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 District T&E Coordinator made the determination that the sale area is non-suitable habitat for marbled murrelets. The ODF wildlife biologist for the NW Oregon Area reviewed and approved this determination.

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:**

This assessment is based on analysis of USGS 1:24,000 topographic maps.

There are isolated high landslide hazard locations within the sale. The sale drains into the headwaters of the South Fork of the Wilson River. The risk of landslides delivering directly to the South Fork of the Wilson River from the sale is low (*per Northwest Oregon Area Geotechnical Specialist*).

The geotechnical specialist will be consulted if evidence of recent landslide activity is identified during sale layout.

#### **X. RECREATION RESOURCES:**

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

Unauthorized OHV trails were identified within or adjacent to the sale areas. Trails will be evaluated by the District Recreation Coordinator to determine if the trails should be protected, rehabilitated, and/or blocked to access. Further assessment will likely occur at time of timber sale preparation.

Portions of Waldos Way trail is within and/or adjacent to the sale area. Short-term closure of this trail system coming into the sale area will occur to facilitate logging and public safety. Slash removal will be required for the OHV trails upon completion of the operation. The trail is planned to be open weekends and

operations activity encouraged around a compressed and focused time period to allow users access to the trail in a timely manner. A plan will be developed to advise the public when trails are closed due to harvest activity.

**XI. CULTURAL RESOURCES:**

The sale area was checked against the Tillamook State Forest Cultural Resource Inventory GIS data. This data source identified one cultural site within the sale area.

The resource is described as:

- “C-Line Donkey Sleds” (Class 2 – Internal Protection Required)

The district will consult the Public Use Coordinator (ODF Salem Staff) for appropriate protection measures of this site.

**XII. SCENIC RESOURCES:**

The sale area is in an area of low visual sensitivity.

**XIII. OTHER RESOURCE CONSIDERATIONS:**

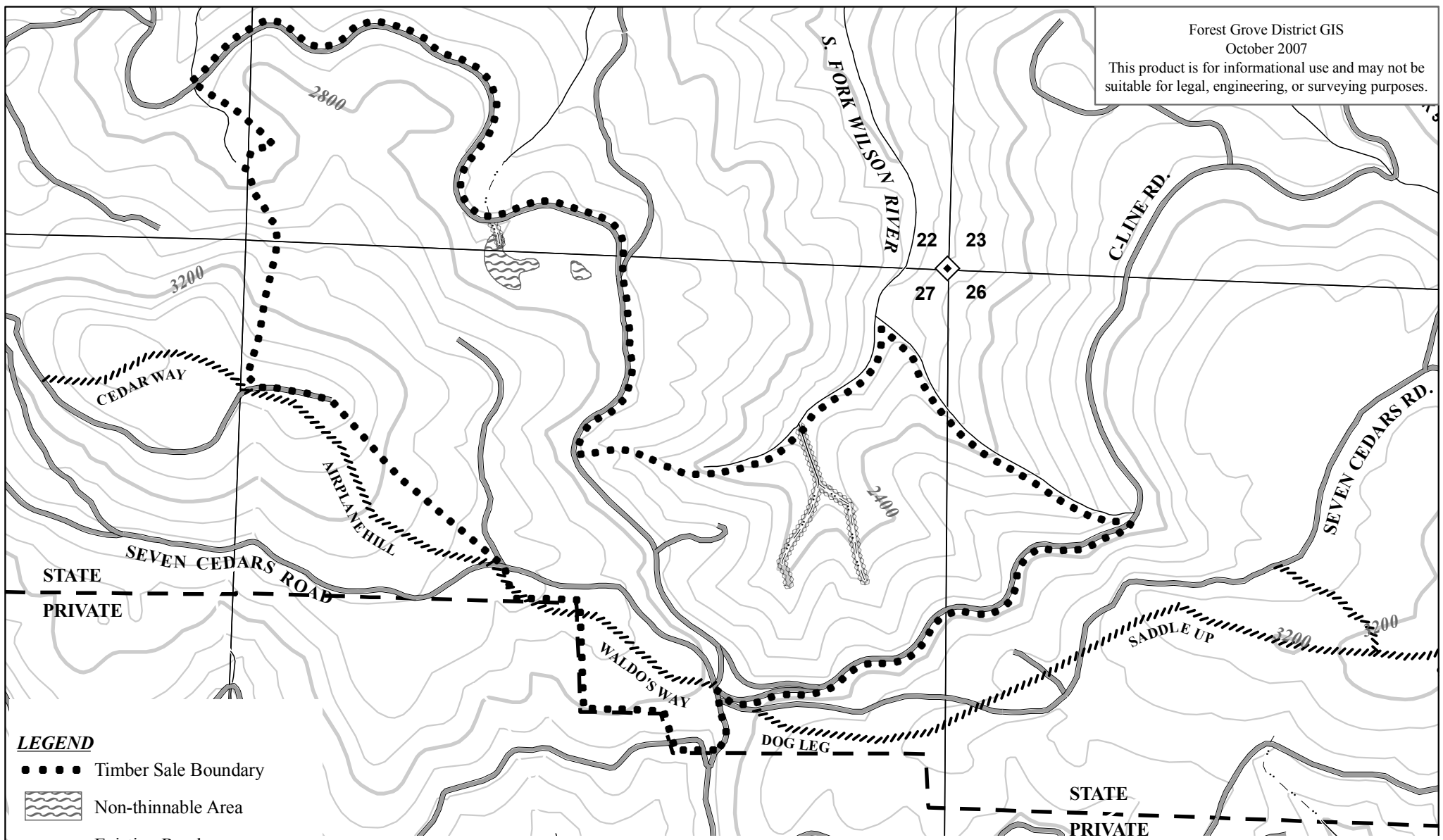
The property lines have been true blazed and posted.

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

**XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:**

The sale area contains Focused and Special Stewardship, Aquatic and Riparian Habitat Subclass. See Section VII, Aquatic Resources and Water Quality, for the management guidelines to be utilized. The entire sale area is classified as Focused Stewardship, Recreation Subclass. See Section X, Recreation Resources, for the strategies that will be implemented to minimize impacts to trail resource. A portion of the sale area is classified as Focused Stewardship, Research/Monitoring Subclass as this area was included in what used to be the COPE then CFER study. This area is still part of ongoing research at Oregon State University. ODF representatives (district, area, and staff) met with OSU researchers at the sale area to discuss the possibility of conducting a moderate partial cut harvest within the research and monitoring area. The parties agreed that a moderate partial cut prescription for Still Coping would not be detrimental to data gathering associated with the ongoing study.

Forest Grove District GIS  
 October 2007  
 This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.



- LEGEND**
- Timber Sale Boundary
  - Non-thinnable Area
  - Existing Roads
  - OHV Trail
  - Perennial Type F Stream
  - Perennial Type N Stream
  - Stream Buffer
  - ODF Ownership
  - 400' Contour Intervals
  - 80' Contour Lines

FY 2009  
 STILL COPING  
 PORTIONS OF SECTION 21, 22, 26 & 27, T01N, R06W, W.M.  
 TILLAMOOK AND WASHINGTON COUNTIES, OREGON

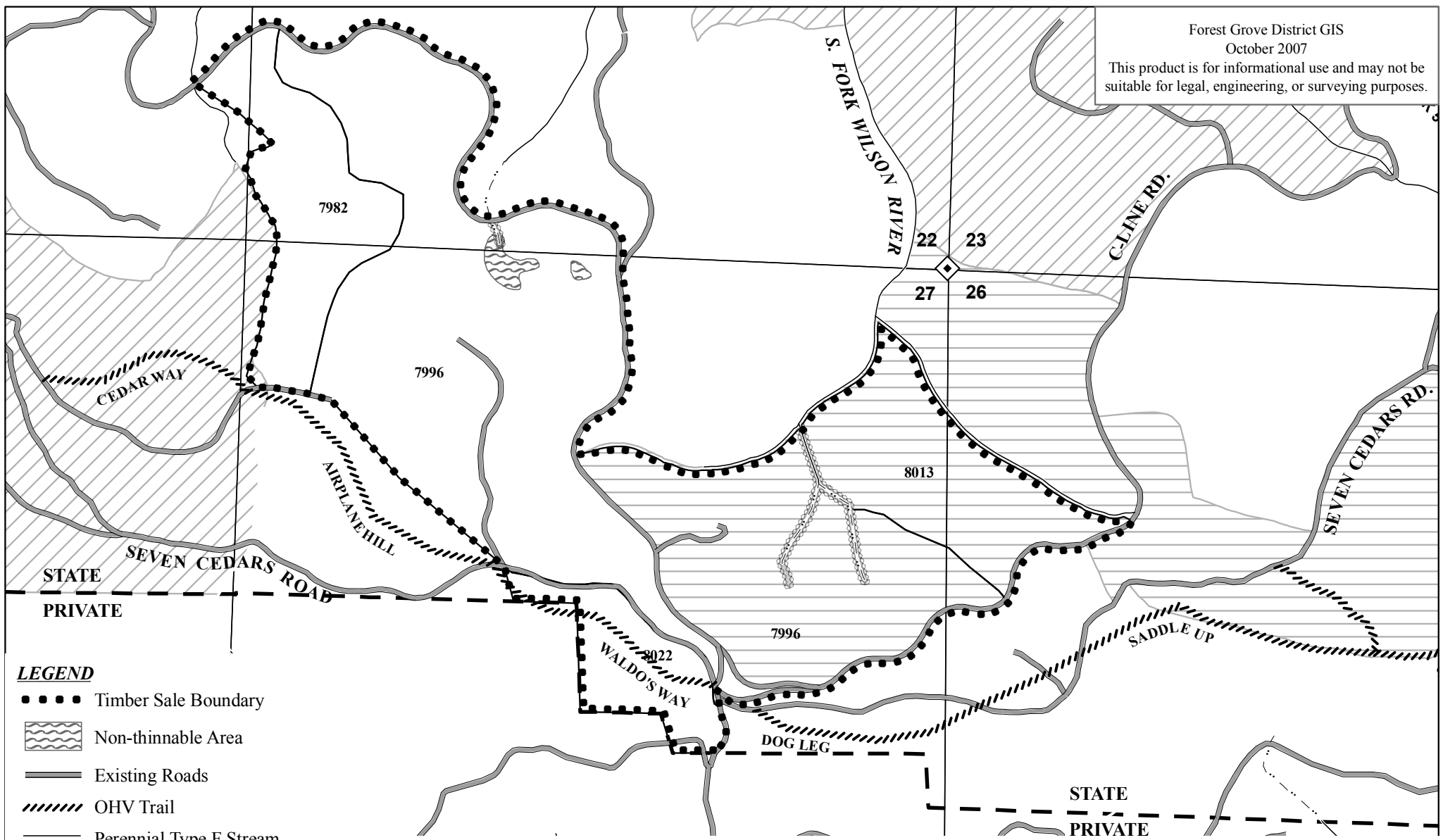
Attachment A: Topography

Scale  
 1:12000

1 inch = 1000 feet

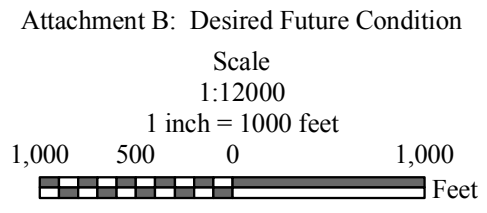


APPROXIMATE NET ACREAGE	
AREA 1	302 ACRES (PC-M)
<b>TOTAL</b>	<b>302 ACRES</b>



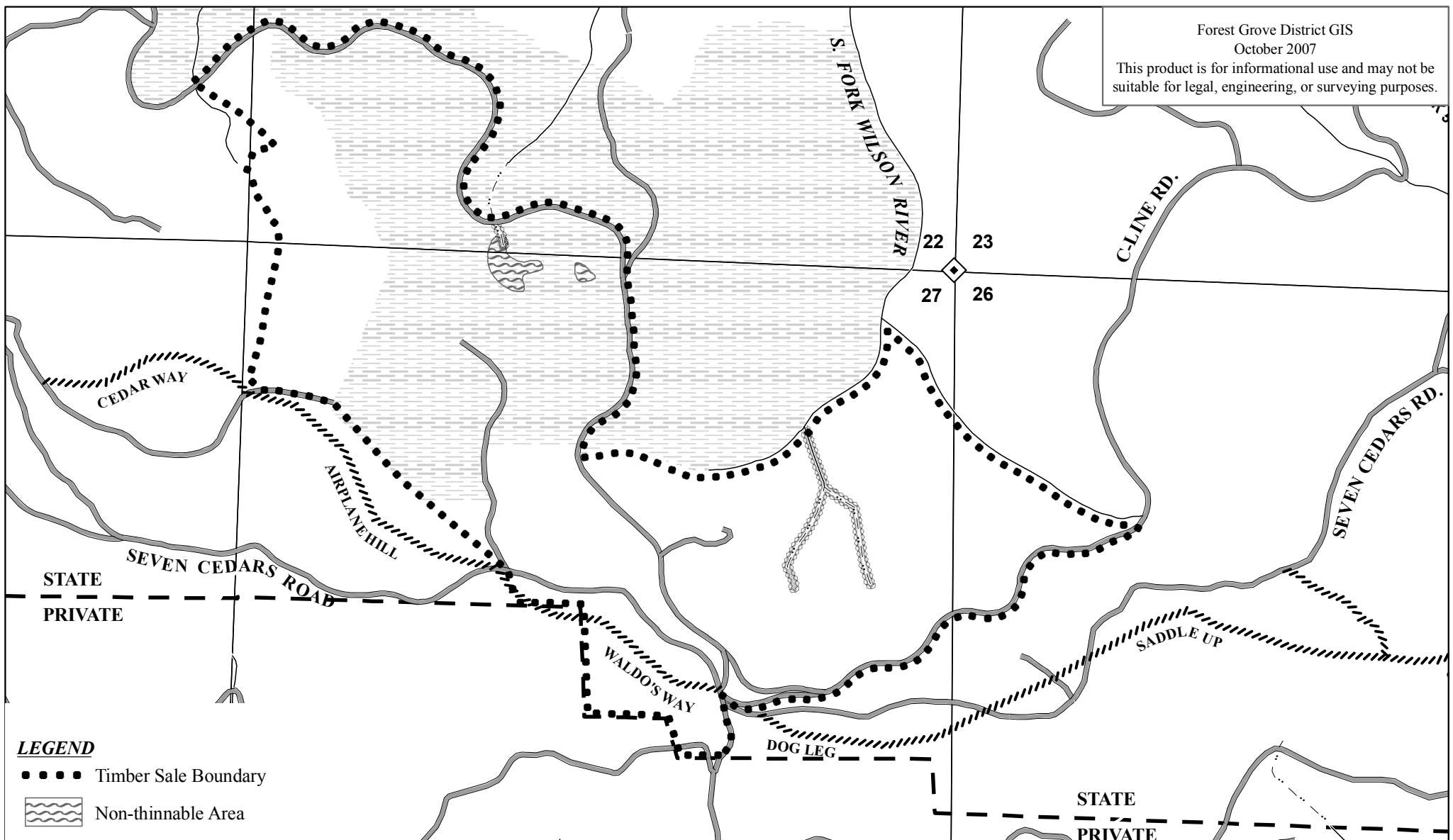
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- Timber Sale Boundary
  - Non-thinnable Area
  - Existing Roads
  - OHV Trail
  - Perennial Type F Stream
  - Perennial Type N Stream
  - Stream Buffer
  - ODF Ownership
  - SLI Polygons (Stand ID#)
  - DFC Stand Type**
  - Layered
  - Older Forest Structure

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 STILL COPING  
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 TILLAMOOK AND WASHINGTON COUNTIES, OREGON



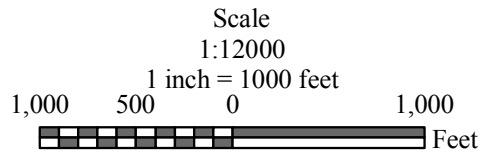
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AREA 1	302 ACRES (PC-M)
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- LEGEND**
- Timber Sale Boundary
  - Non-thinnable Area
  - Existing Roads
  - OHV Trail
  - Perennial Type F Stream
  - Perennial Type N Stream
  - Stream Buffer
  - ODF Ownership
  - Focused Stewardship - Research/Monitoring

FY 2009  
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 TILLAMOOK AND WASHINGTON COUNTIES, OREGON  
 Attachment C2: Key Resources  
 (Focused Stewardship - Recreation and Research/Monitoring)



APPROXIMATE NET ACREAGE	
AREA 1	302 ACRES (PC-M)
TOTAL	302 ACRES