

Pre-Operations Report

Operation Name: Roaring West (alternate)

County: Washington

Management Basin: Sunday Creek

Table 1. Operation Areas, Types and Acres

Area	Harvest Type	Gross Acres	Net Acres
1	Modified Clearcut	94	88

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

The sale area is located on moderate slopes, on either side of Roaring Creek Road. The southernmost portion of the sale follows an unnamed type-F stream which drains into man-made wetlands adjacent to Barney Reservoir.

The aspects of the sale area are generally south, and slopes range from 5% to 50%. Elevation ranges from 1,720 to 2,200 feet. Hembre Silt Loam and Olyic Silt Loam are the major soil types for the area.

II. CURRENT STAND CONDITION:

The sale area burned in the 1993 and 1939 Tillamook Burns. Approximately one third of the sale area was seeded in 1956.

The entire sale has been inventoried using the Stand Level Inventory (SLI) procedure. The sale area has been classified as an understory (UDS) stand.

This is a 58-year-old, predominately Douglas-fir stand. Minor tree species include red alder as well as western red-cedar and western hemlock in the understory. Understory vegetation is a mix of vine maple, salal, and dwarf Oregon grape. Portions of the stand could be described as patchy and brushy. This is due to low stocking and *Phellinus weirii* which is most evident in the southern portion of the stand. A small patch of older timber is present on the north side of the stand close to the property line.

The sale area has 1 hard snag per acre, 81 cu.ft. per acre of classes 1 and 2 DWD (down woody debris), and 860 cu.ft. per acre of classes 3,4, and 5 DWD.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	SDI	Acres ²
1	MC	8210	DF	58	18	196	117	48	88

¹The source of stand inventory information is SLI grown forward to 2008 for trees 8 inches or larger in diameter.

²The acres are based on GIS and exclude roads, stream buffers, reserve areas, etc.

III. DESIRED FUTURE CONDITION/VISION:

According to the landscape design for the Sunday Creek Basin (*Forest Grove District Implementation Plan, 2009*), the sale area is designated for non-complex stands or “general”.

This area will be managed for the production of timber. Stands will be converted to regeneration every 50 to 60 years. Wildlife habitat will be provided through green tree retention areas, creation of snags and down woody debris, and planting Douglas-fir with other conifer species to increase diversity.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Acres
1	8210	UDS	REG	GEN	88

¹The stand is expected to develop into this condition after this operation is completed.

IV. PROPOSED MANAGEMENT PRESCRIPTION AND PATHWAY:

This is a modified clearcut. Leave trees will average 8 per acre and exist in green tree retention areas and riparian buffers. There will be topping of 2 trees per acre for snag creation. At about age 15, the regeneration stand will be pre-commercially thinned. Then, at about age 50, the stand will be harvested.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	0%		x
Planned Quarter:		2	

	Conifer	Hardwood	Total
Net Volume (MBF)	3,100		3,100
Stumpage Value (\$/MBF)	\$200		
Estimated Gross Value	\$620,000		\$620,000
		Project Costs:	\$25,000
		Estimated Net Value:	\$595,000

VI. HARVESTING AND ACCESS CONSIDERATIONS:

The sale access is via Pike Road, to Turner Creek Road, to North Fork Trask Road, to Roaring Creek Road. All of the roads are currently all-weather, crushed rock surface roads. This is a total distance of approximately 19 miles from the town of Yamhill.

Access is through several miles of Weyerhaeuser owned land and some BLM owned land. There are two Weyerhaeuser gates which have to be passed through in route to the timber sale area. ODF owns an easement with Weyerhaeuser, such that no direct fees will have to be paid for hauling.

A large portion of the sale area can be logged from existing roads. Approximately 0.35 miles of new road will be constructed with the sale to facilitate logging operations. This new construction consists of 3 short spurs, and will cost about \$25,000. These roads are located on gentle slopes and ridge tops and will not cross any streams. The longest of these spurs is in the northern part of the unit and will make more acres accessible to ground based operations. This spur's location is intended to minimize ground based yarding distances, access cable landing locations, and allows a patch of larger timber that will be used for green tree retention to be avoided. The other two shorter spurs access cable landing locations and allow yarding activity to take place without blocking through roads.

The operation will be 50% cable yarding and 50% ground based yarding. Yarding distances average about 250 feet.

Table 5. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct			0.35	
Improve				
Maintenance				
Block (Closed)				
Vacate				

VII. AQUATIC RESOURCES AND WATER QUALITY:

The sale area is within the Trask River Watershed. This area has not been designated as Salmon Anchor Habitat.

Only one Type-F stream is in close proximity to the sale area, and it flows into a man made wetland associated with Barney Reservoir. Fish presence in this stream was determined in GIS using the Digital Elevation Model (DEM). Field observations have confirmed this determination. This Type-F stream will be posted outside of the sale area at a minimum 120 feet from the high water mark. This riparian management area will provide sufficient temperature regulation, stream bank protection, and DWD contributions. There are two small Type-N stream segments that are within confluence of the Type-F stream mentioned above. These streams will receive a 50 foot no touch buffer to achieve 80% shade over the aquatic zone and contribute to green tree retention.

Logging across any perennial streams will be unnecessary. All new construction roads will be surfaced with crushed rock. All haul roads will be maintained and log hauling will be restricted from November 1st to March 31st to ensure that water quality will not be negatively impacted. Other protection measures may include maintaining culverts and other road drainage structures and using sediment control devices.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

The sale area has been reviewed by the Northwest Oregon Area Biologist for ODF.

A potential suitable marbled murrelet habitat site was surveyed for murrelets in 2008. No murrelets were detected during the 2008 surveys. A second year of surveying will be completed during the 2009 survey season. All surveys were and will be conducted in accordance with PSG protocol.

The sale area was surveyed for Northern Spotted Owls in 2008 with no responses. The sale will be surveyed again during the 2009 survey season. All surveys will be/were conducted in accordance with USFWS protocol.

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

This operation does not involve an activity that is listed in the National Marine Fisheries Service 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. Streams in this sale are in the headwaters of the Trask River Basin. As of March 2008, there are no federally listed T&E fish species in this basin.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This assessment is based on USGS 1:24,000 topographic maps and available geologic maps. There are no high landslide hazard locations in the sale area. The sale area drains into Barney Reservoir. The risk of landslides delivering to Barney Reservoir from the sale area is low.

X. RECREATION RESOURCES:

There are no authorized trails in the vicinity of this sale which falls in a non-motorized zone. An unauthorized trail within the sale area will be vacated. To prevent OHV use, all skid roads and operator spurs will be blocked upon completion of use.

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:

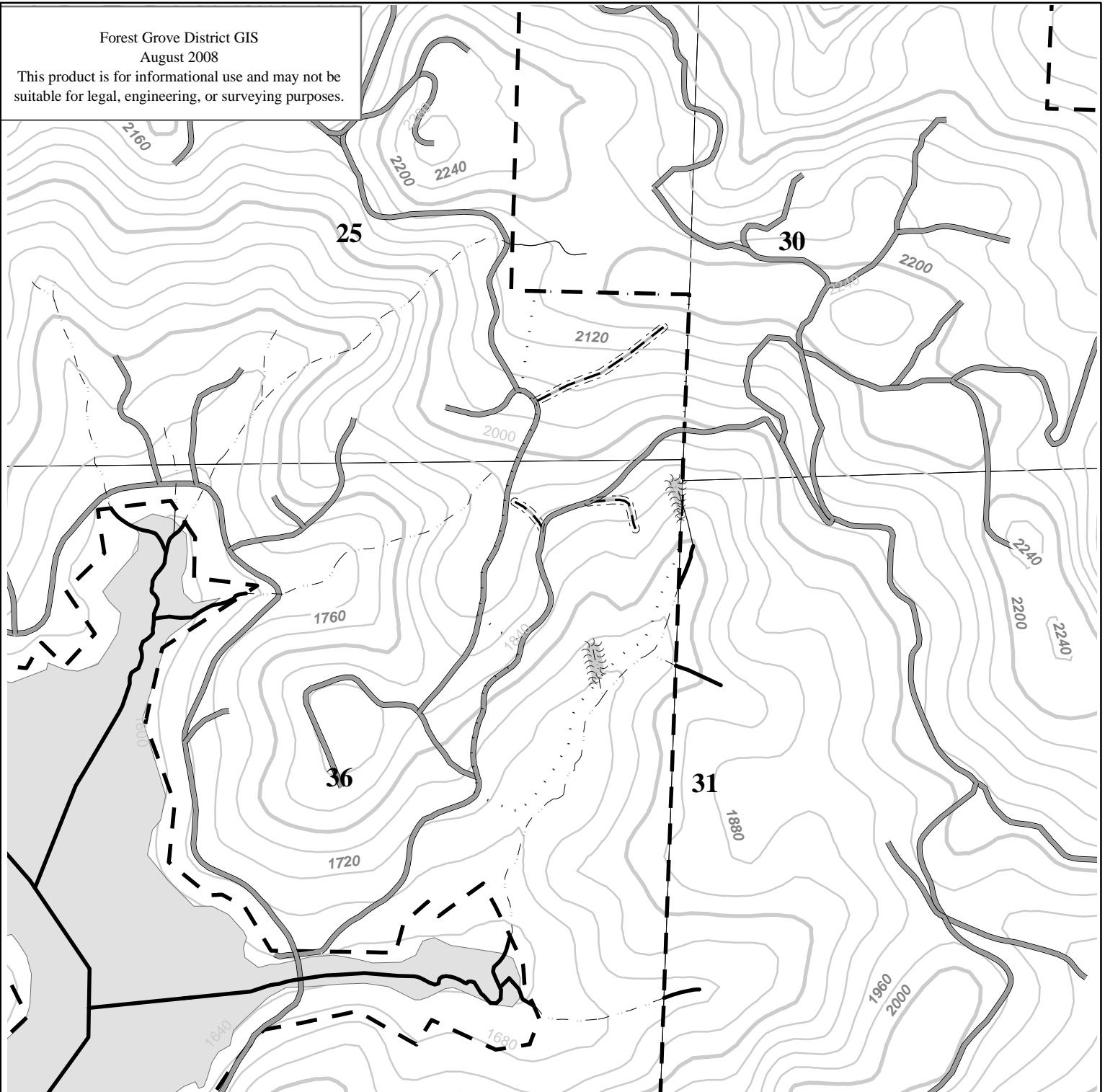
The sale area is in an area of low visual sensitivity.

XIII. OTHER RESOURCE CONSIDERATIONS:












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

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

The sale area is classified as Focused Stewardship, Domestic Water Use as the streams within the sale drain into Barney Reservoir. See Section VII “Aquatic Resources and Water Quality”, for the strategies to mitigate impact to the reservoir. The sale area also contains Focused and Special Stewardship, Aquatic and Riparian Habitat due to the presence of streams within the sale. Section VII “Aquatic Resources and Water Quality” describes the management guidelines to be applied in these areas.



LEGEND

-  Timber Sale Boundary
-  Existing Roads
-  Road Construction
-  Ownership
-  Perennial Fish Stream
-  Perennial Non-fish Stream
-  Stream, Unknown Fish Presence
-  Posted Stream Buffer
-  200' Contour Intervals
-  40' Contour Lines
-  Road Construction Right-of-Way

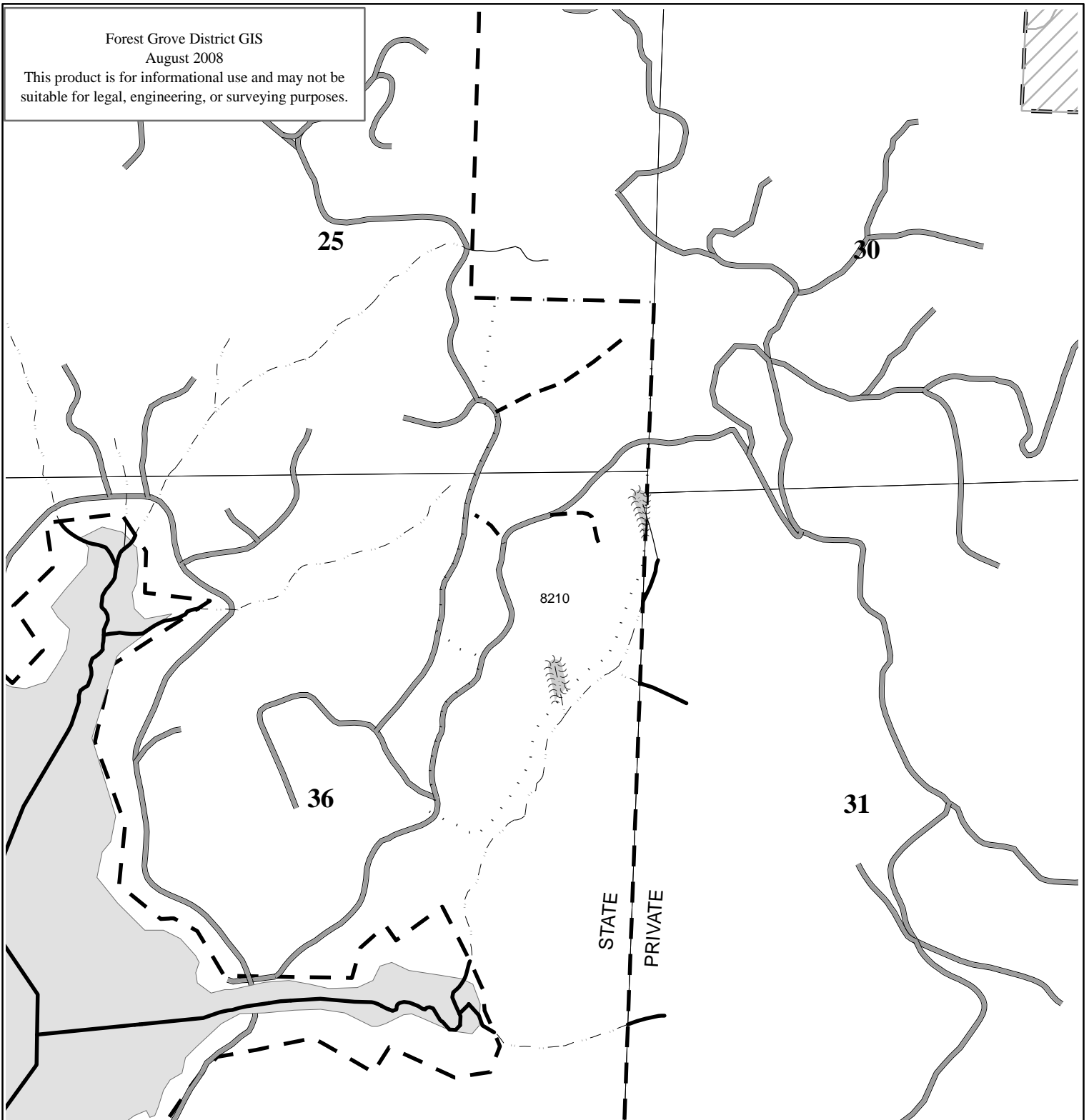
FY 2010
ROARING WEST
PORTIONS OF SECTIONS 25 & 36, T01S, R06W, W.M.
WASHINGTON COUNTY, OREGON
Attachment A: Topography

Scale
1:12000
1"=1000 feet












NET ACRES
AREA 1 88 ACRES (MC)

This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.



Legend

DFC

-  DFC - Layered
-  DFC - Older Forest Structure
-  Sale Boundary
-  Perennial Fish Stream
-  Perennial Non-fish Stream
-  Stream, Unknown Fish Presence
-  Stream Buffer
-  Roads
-  Ownership

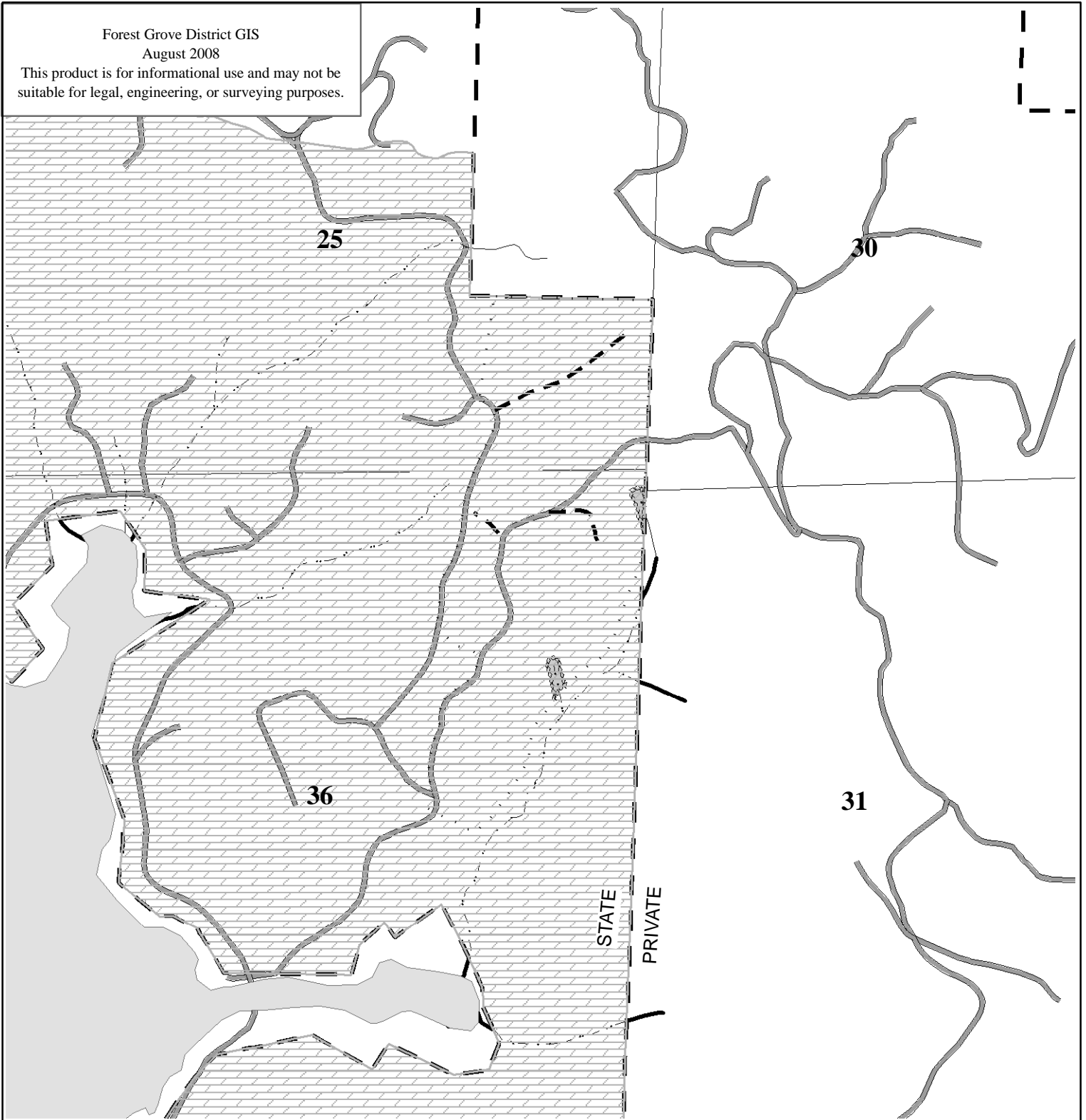
FY 2010
ROARING WEST
PORTIONS OF SECTIONS 25 & 36, T01S, R06W, W.M.
WASHINGTON COUNTY, OREGON
Attachment B: Desired Future Condition

NET ACRES
AREA 1 88 ACRES (MC)

Scale
1:12000
1"=1000 feet



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Legend

- Sale Boundary
- Domestic Water Use
- Perennial Fish Stream
- Perennial Non-fish Stream
- Stream, Unknown Fish Presence
- Stream Buffer
- Roads
- Ownership

FY 2010
ROARING WEST
PORTIONS OF SECTIONS 25 & 36, T01S, R06W, W.M.
WASHINGTON COUNTY, OREGON

Attachment C: Key Resources

Scale
1:12000
1"=1000 feet

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AREA 1 88 ACRES (MC)

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