

Pre-Operations Report

Operation Name: Reimer Reason
County: Washington
Management Basin: Sunday Creek

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
I	Moderate Partial Cut	268	241
Total	Partial Cut Harvest	268	241

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

Slopes have a varied aspect and range from 20% to 60%. Elevations range from 1200 to 2200 feet. The major soil types are Killam and Jewell. The sale area covers from ridge top to lower slopes.

The landform is a gentle northeast trending spur-ridge between tributaries of the Middle and North Fork of the Trask River. The underlying rocks are mostly igneous origin intrusive diabase sills and small portions of Basalts of Hembre Ridge (informal formation).

II. CURRENT STAND CONDITION:

The sale areas burned in the 1933 and 1939 Tillamook Burn.

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

The stand is composed of well stocked Douglas-fir. There are minor amounts of *Phellinus weirii* which will not be treated. No other significant insect or disease problems have been discovered at this time.

The understory in the sale is comprised primarily of salal, vine maple and some dwarf Oregon grape.

SLI data shows approximately 8 snags per acre decay classes 3 and 4, and 3800 cubic feet of down woody debris (DWD) per acre decay classes 3 and 4.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age ⁵	DBH	BA	TPA	SDI	Net Acres ²
1	PC-M ⁴	8179	DF	38-58	16	181	126	46	209
		8189	DF	29-30	15	136	116	36	18
		8196	DF	35-39	13	131	137	36	6
		8206	DF	42-47	15	218	188	57	8
		<i>Target</i> ³			18	140	79	33	241

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

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

³ The Target row for partial cut areas identifies expected stand characteristics (DBH, BA, TPA and SDI) immediately after harvesting has been completed.

⁴ PC-M is Moderate Partial Cut.

⁵ Actual measured breast height ages are shown unless labeled "est."

III. DESIRED FUTURE CONDITION/VISION:

The harvest operation will continue the development of these stands into UDS structure in the short term. According to the Forest Grove District's landscape design for the Sunday Creek basin, the desired future condition (DFC) for these stands is 76% General, 24% OFS.

All existing snags which do not present a safety hazard, and down woody debris of all decay classes shall be retained. All trees less than eight inches and all species other than Douglas-fir shall be retained. As the understory develops, future operations in the OFS stand will remove more of the overstory. This will provide more light and nutrients to the understory. In time, a second and third layer of trees and other vegetation will develop the complex structure of this stand.

The General portion of the sale will be managed for timber production. The variety of residual conifer species, snag creation and down wood retention will allow for some habitat diversity while maximizing future timber growth. In 15 to 20 years after the first entry partial cut this area will be scheduled for modified clearcuts.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Net Acres
1	8179	UDS	UDS	GEN	164
				OFS	45
	8189	UDS	UDS	GEN	12
				OFS	6
	8196	CSC	UDS	GEN	6
	8206	UDS	UDS	OFS	8

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:

Partial Cut Moderate:

The sale is PC- M. The target SDI is approximately 33. Douglas-fir will be selected for harvest. All other species will be reserved. The stand will be thinned to a target basal area of 130 to 150 square feet. The average DBH of the residual stand will be approximately 18 inches. Residual trees will be the largest DBH and height, and have the best form and vigor. All trees less than 8 inches shall be reserved and shall not count toward the target basal area.

Understory vegetation will be enhanced from the additional growing spaces made available. The DFC GEN portion of this stand will be clearcut approximately 15 to 20 years after this first entry partial cut. The stand will be approximately 70 years old and will be in the UDS stand condition.

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. Additional snags will be created over time through natural processes.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

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

	Conifer	Hardwood	Total
Net Volume (MBF)	3,500		
Stumpage Value (\$/MBF)*	\$350		
Estimated Gross Value			\$1,225,000
		Project Costs:	\$126,000
		Estimated Net Value:	\$1,099,000

*Combined Douglas-fir and hemlock stumpage values

VI. HARVESTING AND ACCESS CONSIDERATIONS:

The sale area is accessed via Turner Creek Rd, N. Fk. N. Fk. Trask River Rd. and Reimer Rd. These are currently rock roads. A permanent access easement

has already been secured. The current landowner is Weyerhaeuser. Road use fees will not apply.

Approximately 1.6 miles of existing unsurfaced 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 0.9 miles of road will be constructed to provide access to landing locations. New construction is limited to ridgetops and gentle to moderate sideslopes. Proposed new roads will not cross 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 \$121,000

In addition, approximately three miles of existing spur roads will be closed or vacated at an estimated cost of \$5,000.

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	0.9	0
Improvement	0	1.6	0	0
Maintenance ¹	4.5 ¹	8.1 ¹	0.9	0
Closure/Vacation	0	0	3.0	0

¹ Includes third party roads.

VII. AQUATIC RESOURCES AND WATER QUALITY:

The Middle Fork of the North Fork of the Trask River, a large Type F stream, is adjacent to the sale. Several small perennial and seasonal Type N streams are also within and adjacent to the sale. Barney Reservoir is adjacent to the haul route. During sale layout, all streams will be field verified as to size, type, locations, and/or source. Riparian areas along these streams are a mix of conifer and hardwoods.

75 acres (31%) of the sale area are within the Elkhorn Creek Basin. This basin has been designated as a Salmon Anchor Habitat (SAH) Basin. SAH Basin Strategies will be applied to streams within the SAH boundary during the timber sale layout and contract development.

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 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. Reimer Reason 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.

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 a few steep slopes scattered through the sale area mostly at the very boundary of 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 that remain inside the sale area, the geotechnical specialist will be consulted.

X. RECREATION RESOURCES:

The sale is in an area designated as Motorized in the Tillamook State Forest Comprehensive Recreation Plan (1993). The District Recreation Coordinator reviewed this sale and has no suggestions.

Unauthorized OHV trails were identified within and adjacent to the sale areas. Trails will be evaluated by the District Recreation Coordinator to determine if the trails should be blocked to access.

Recreational use common to this area includes hunting and camping.

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:

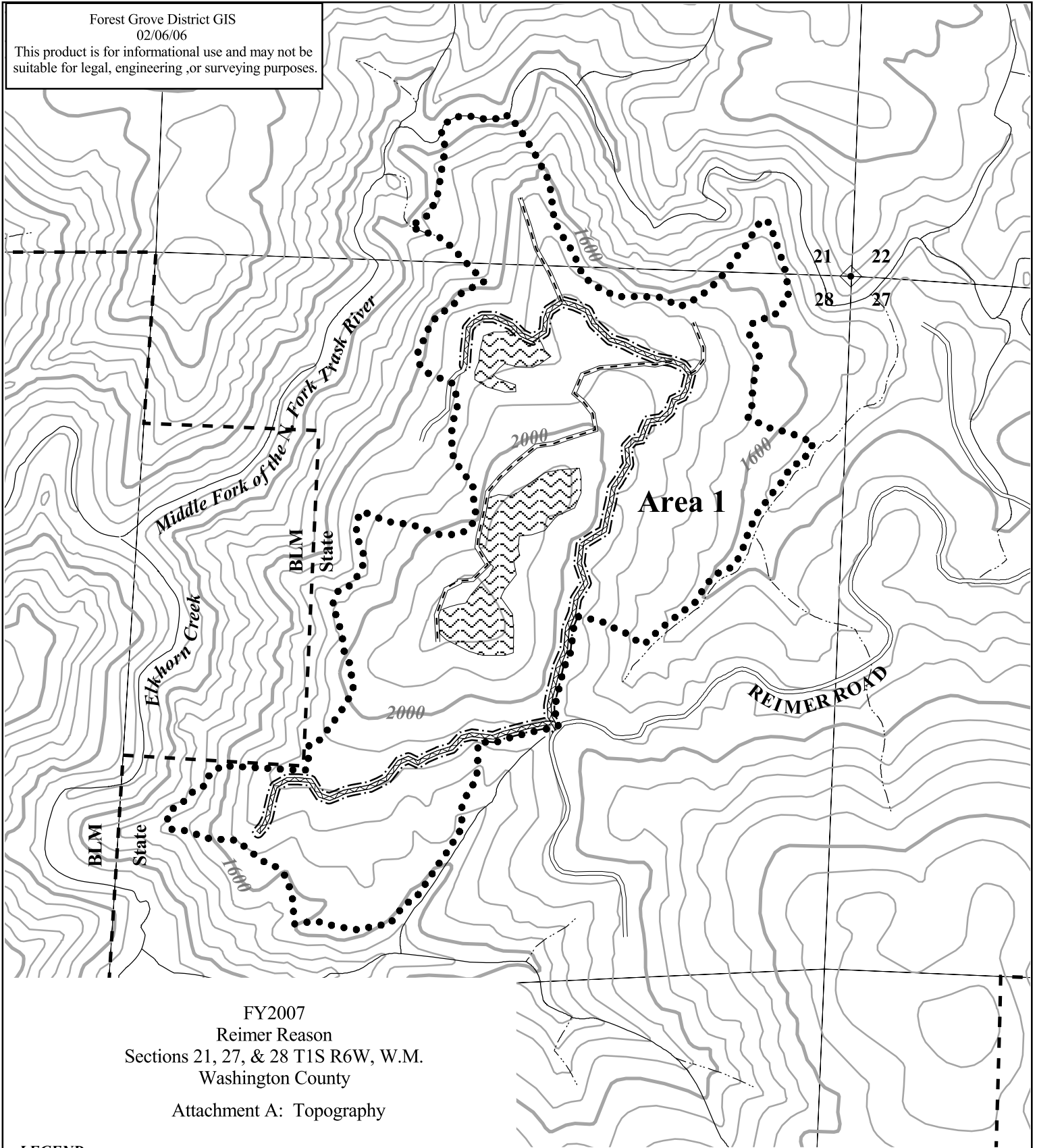
Property lines have not been true blazed and posted.

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

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Area 1 contains Focused and Special Stewardship, Aquatic and Riparian Habitat Subclass, due to the presence of perennial streams within the sale area. Area 1 also contains Focused Stewardship, Wildlife Subclass, because part of the sale area is within the Elkhorn Creek Salmon Anchor Habitat (SAH). See Section VII, Aquatic Resources and Water Quality, for the management guidelines to be utilized.

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FY2007
Reimer Reason
Sections 21, 27, & 28 T1S R6W, W.M.
Washington County
Attachment A: Topography

- LEGEND**
- Timber Sale Boundary
 - ▨ Non-Thinnable Area
 - 400' Contour Intervals
 - 80' Contour Lines
 - == Existing Roads
 - - - Road Construction
 - ▨ Road Improvement
 - · · · · Right-of-Way Boundary
 - - - ODF Ownership
 - Perennial Type F stream
 - · · · · Perennial Type N stream

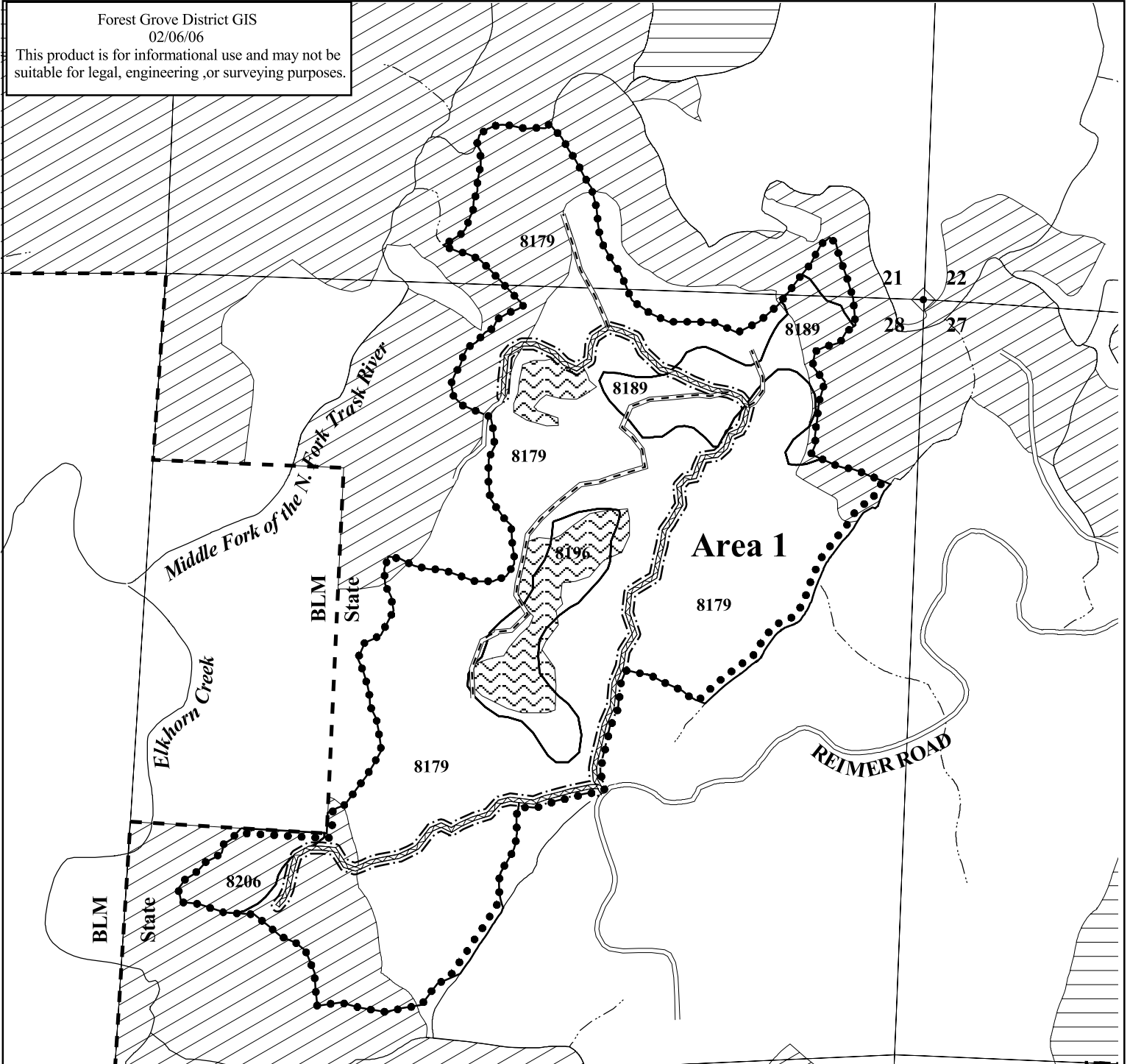


Scale
1:12000
1 Inch = 1000 Feet



APPROXIMATE NET ACREAGE	
AREA 1	241 ACRES (PC-M)
TOTAL	241 ACRES

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Washington County

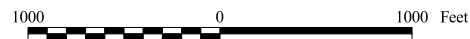
Attachment B: Desired Future Condition

LEGEND

- | | | | |
|-----------------------|--------------------------|---------|-------------------------|
| ●●●●● | Timber Sale Boundary | - - - | Road Construction |
| | Non-Thinnable Area | | Road Improvement |
| DFC Stand Type | | | |
| | Layered | ·-·-· | Right-of-Way Boundary |
| | Older Forest Structure | - - - - | ODF Ownership |
| | SLI Polygons (Stand ID#) | — — — | Perennial Type F stream |
| | Existing Roads | ·-·-· | Perennial Type N stream |

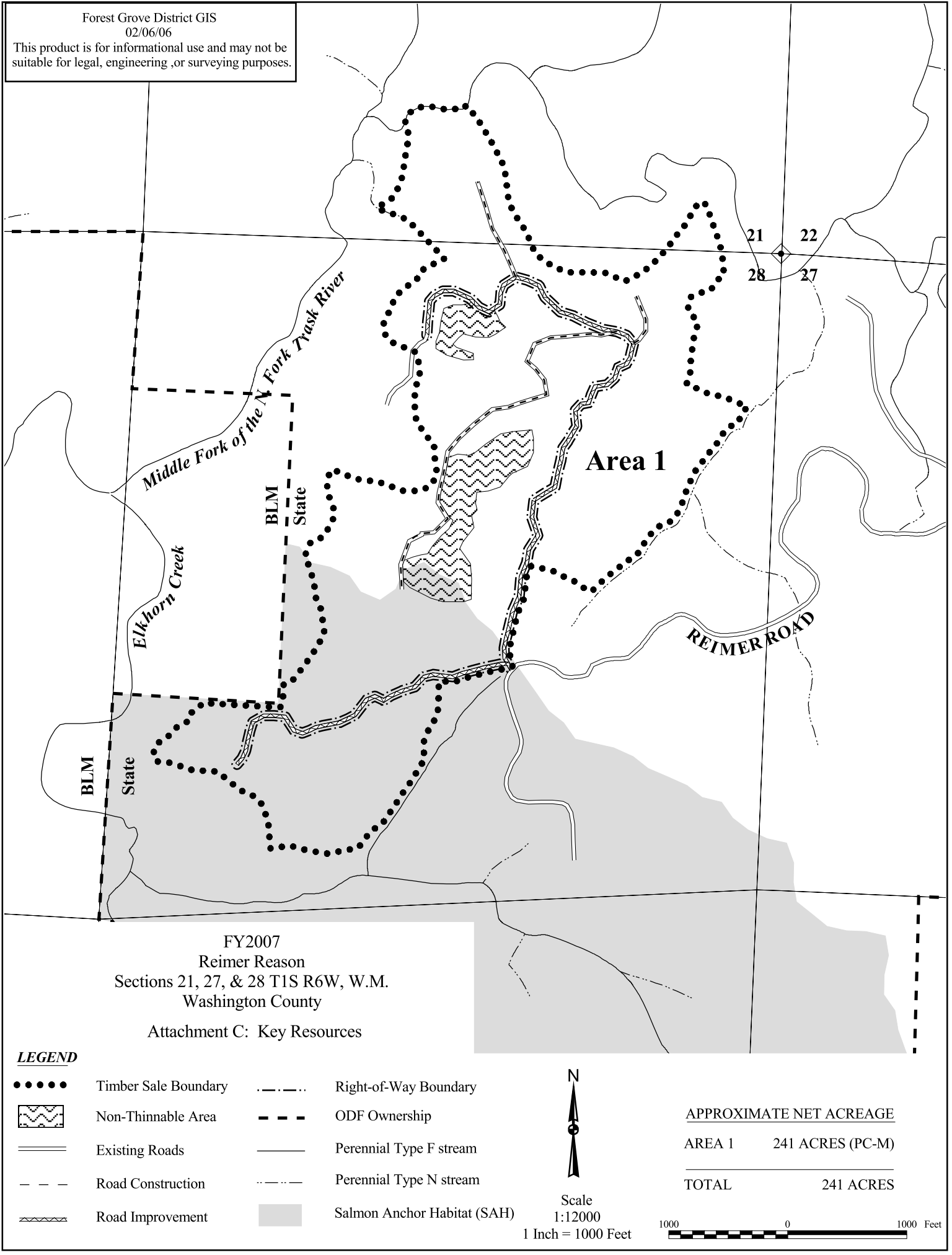


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TOTAL	241 ACRES

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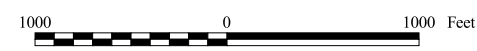


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Reimer Reason
Sections 21, 27, & 28 T1S R6W, W.M.
Washington County
Attachment C: Key Resources

- LEGEND**
- Timber Sale Boundary
 - ▨ Non-Thinnable Area
 - ══ Existing Roads
 - - - Road Construction
 - ▤▤▤ Road Improvement
 - Right-of-Way Boundary
 - - - ODF Ownership
 - ══ Perennial Type F stream
 - Perennial Type N stream
 - Salmon Anchor Habitat (SAH)



Scale
1:12000
1 Inch = 1000 Feet



APPROXIMATE NET ACREAGE

AREA 1	241 ACRES (PC-M)
TOTAL	241 ACRES