

Pre-Operations Report

Operation Name: Roger Thin
County: Tillamook
Management Basin: Wilson

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres ¹
1	Partial Cut	119	107
Total		119	107

1. The net acres are based on orthophotos and GIS and exclude roads, stream buffers, reserve areas and non-required thinning areas.

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

Slopes have a predominantly northeast aspect and range from 20%-90%. Elevations range from 1,400 to 2,700 feet. The major soil types are Rye and Jewell.

The landform is moderate upper slope to steeper lower slopes above an unnamed tributary to the North Fork of the Wilson River northeast of Morris Creek. The underlying rocks are igneous origin extrusive flows of the Tillamook Volcanics Formation.

II. CURRENT STAND CONDITION:

Table 2. Stand Inventory Information⁴

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	SDI	Net Acres ²
1	PC	211	DF/WH	44	14	175	171	47	107
		Target ³	DF/WH		16	110	79	28	107

1. The source of stand inventory information is from field reconnaissance cruise plots taken in 2000.

2. The net acres are based on orthophotos and GIS and exclude roads, stream buffers, reserve area and non-required thinning areas. Modified clear cut acres are not contiguous and do not exceed 120 acres.

3. The Target identifies expected stand characteristics (DBH, BA, TPA and SDI) after harvesting has been completed.

4. These numbers are based on plot data taken to this point and final numbers may differ significantly from the actual conditions significantly. The directive for minor and major modifications will be followed for further review.

The sale area burned in the 1945 (Wilson River Fire) and the upper one-third also burned on the edge of the 1933 (Tillamook Fire). The area was naturally regenerated. These areas have had no prior stand management.

The stands in the sale areas are classified as 100% CSC according to the district stand summary information (1999). This is predominantly a single story Douglas-fir/western hemlock stand with little vertical layering. The stand is overstocked and has slowed diameter growth. No insect or disease problems have been noted. See Table 2 for specific stand data.

The understory component is sparse and is comprised primarily of sword fern and scattered vine maple.

There are some large snags in various states of decay and/or some hard snags created from wind, snow and bear damage. Down wood consists of scattered large old logs (36"+) in Class 3 and 4 stages of decay and some windthrow in decay classes 1 and 2. SLI inventory has not been done on this sale area. The closest plots are located about a half mile to the southwest and are generally similar to the sale area. That stand has exceeded the FMP down wood cubic feet per acre total but is low in decay class 1 and 2. FMP snag targets in that stand have not been met for landscape or older forest structure.

III. DESIRED STAND CONDITION and VISION:

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Net Acres
1	211	CSC	UDS	OFS	107

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.

See Section IV: Proposed Management Prescription for more information on Green Tree, Down Wood, and Snag Strategies during operation. Also refer to Landscape Design in the Summary document for more information on strategies to move the district toward Desired Future Condition goals.

The prescriptions described below are based on the current stand condition such as overall tree and stand growth, species mix, stand density, and stand health.

Vision: The DFC for this area is OFS. Management will begin with a first entry partial cut operation, thinning the Douglas-fir and western hemlock. During the operation, components such as snags and coarse down wood will be retained. This is a basal area thinning so there will be areas with relatively low stocking as well as clumps of larger trees. Hardwood stringers along streams and in pockets will also remain. These openings and gaps in the stand will allow the residual trees to grow larger in diameter and crown depth. Understory reinitiation of

shrubs and tree species will create horizontal and vertical diversity. Future density management entries will enhance the growth of overstory trees as well as understory trees and shrubs. The desired stand condition is to have a healthy vigorous stand of well-spaced mixed conifer and hardwoods.

IV. PROPOSED MANAGEMENT PRESCRIPTION and ANTICIPATED PATHWAY:

See table 2 for prescription target

The merchantable Douglas-fir and western hemlock will be thinned to a basal area range of 100-120 square feet. A diameter limit will be used to retain a hemlock component. All other species will be reserved.

The resulting stand will have a stand density of 20 to 30 SDI which is relatively open, will maintain stand vigor, and develop healthier and larger trees. The cutting prescription will be designed to achieve variable densities throughout the sale area. Another thinning is anticipated in 15-20 years.

Green Tree, Down Wood and Snag Strategies

See also Section III: Desired Future Condition for long term strategies

A snag assessment will be done in conjunction with the timber cruise. The residual diameters in this stand are expected to be over 15 inches so the stand will be reviewed for snag creation at time of harvest if snags are deficient. Existing snags not determined to be a safety hazard will be retained and any felled snags will be left for down wood. Creation of snags is expected during harvest activities (rub trees, lift trees, or tail trees) and over time by natural processes.

Existing down wood will be left in the sale areas. Down wood recruitment is expected through mortality and windthrow of residual trees, felled snags and from tops left during harvest. Small non-merchantable hardwood and conifer will be retained where possible in harvest units with the expectation they will become short term snags and down wood.

The stand may be evaluated by district monitoring or future Stand Level Inventory (SLI). SLI will measure the snags/acre and cubic feet of down wood by decay class. If the stands are deficient in either of these characteristics, the need for creating additional amounts will be evaluated.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%	<input type="checkbox"/>	X
Planned Quarter:		1	

	Conifer	Hardwood	Total
Net Volume (MBF)	0.7		0.7
Stumpage Value (\$/MBF)	175		
Estimated Gross Value	122,500		122,500
		Project Costs:	24,900
		Estimated Net Value:	97,600

VI. HARVESTING AND ACCESS CONSIDERATIONS:

The sale areas are accessed via the North Fork Wilson River Road, West Fork Road, Gilmore Road, and unnamed spurs. There is gated access across private land at the upper end of Gilmore Road. There is an existing easement on these roads. The main roads are currently all-weather crushed rock roads and the spurs are pit run and unsurfaced roads.

See maps for specific road locations and conditions.

Approximately 1.7 miles of existing surfaced road, 0.1 miles of existing unsurfaced road, and 0.2 miles of unsurfaced legacy road will be improved. This includes grading, rocking, widening, culvert replacement, spot rocking, sidecast pullback, and/or adding new culverts as needed. This work will bring all roads up to standards described in *the Forest Roads Manual*. 1.7 miles is across private property currently covered by easement. Roads will have seasonal hauling restrictions.

Approximately 0.15 miles of road will be constructed to provide access to cable yarding areas. Following harvest, roads within the sale areas will be reviewed for closure. See summary document for more information on this topic.

No other project work will be included with this sale.

The operation will be 100% cable yarding.

Table 5. Transportation Planning Summary (Miles)⁴

Activity	Mainline	Collector	Rocked Spur ¹	Dirt Spur ¹
Construct			0.15	
Improve			2.0	
Maintain ²		7.8		
Close/Block ³				
Vacate ³				

1. *Additional roads may be built by the operator at the time of harvest and will be approved by the State through the Operations Plan. These will be short dead end spurs and closed or blocked after harvest*
2. *All roads accessing the sale area will be maintained during the life of the timber sale contract. Maintenance miles in the table are those roads not being constructed or improved.*
3. *Roads not closed/blocked or vacated at the end of the sale will be reviewed for closure after reforestation is established.*
4. *The numbers in this table reflect planned Project Work associated with the sale.*

VII. AQUATIC RESOURCES AND WATER QUALITY:

A medium Type F tributary to the North Fork Wilson River is adjacent to the sale area. Several small unnamed perennial and seasonal Type N streams are within the sale area. These streams will be reviewed and protected appropriately during sale layout based on flow, topography, and terrain.

The Oregon Department of Fish and Wildlife (ODFW) will conduct stream surveys in the sale area prior to sale layout. Streams with potential fish use will be treated as Type F until surveys are completed to verify fish use.

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

ODFW fish biologist will work with ODF to identify possible stream enhancement projects.

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 monitoring 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. T&E SPECIES CONSIDERATIONS:

T&E Wildlife: The sale area has been reviewed with the ODF Northwest Oregon Area Biologist.

Surveys for marbled murrelets are not required due to the absence of potentially suitable habitat. Spotted owl surveys are not required as the sale is within the Tillamook Burn (see November 2002 ODF Policy Guidance: *Northern Spotted Owl Surveying on State Forest Lands*).

T & E Fish species: See Sections VII, and IX for listed fish protection measures.

T & E Plant species: The sale areas were checked against the Oregon Natural Heritage Program (ONHP) database of known threatened or endangered listed plant locations as well as local records in the Land Management Classification System (LMCS). No listed plants were identified within or adjacent to the sale areas.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

There are steep slopes scattered in the sale area and a band of steep slopes along the north boundary of the sale area. The initial hazard and risk assessment from the geotechnical specialist is moderate. The geotechnical specialist will be consulted during field work so that the need for a field visit can be assessed.

X. RECREATION RESOURCES:

The sale area is designated Motorized in the *Tillamook State Forest Comprehensive Recreation Plan* (1993). This sale has been reviewed by the District Recreation Coordinator. No OHV trails were identified within or adjacent to the sale areas. Recreational use common to this area is primarily hunting. Access is across private land so recreation use is not encouraged. Specific recreation issues encountered during sale layout will be reviewed with the District Recreation Coordinator.

XI. CULTURAL RESOURCES:

The *Tillamook State Cultural Assessment* does not list any cultural sites within or adjacent to the proposed sale boundary. The district will consult with the Public Use Coordinator for appropriate protection measures if a cultural site is identified.

XII. SCENIC RESOURCES:

No portion of the sale is visible from state or county highways. The sale area has a visual classification of Level 3, low sensitivity. No scenic impact is expected.

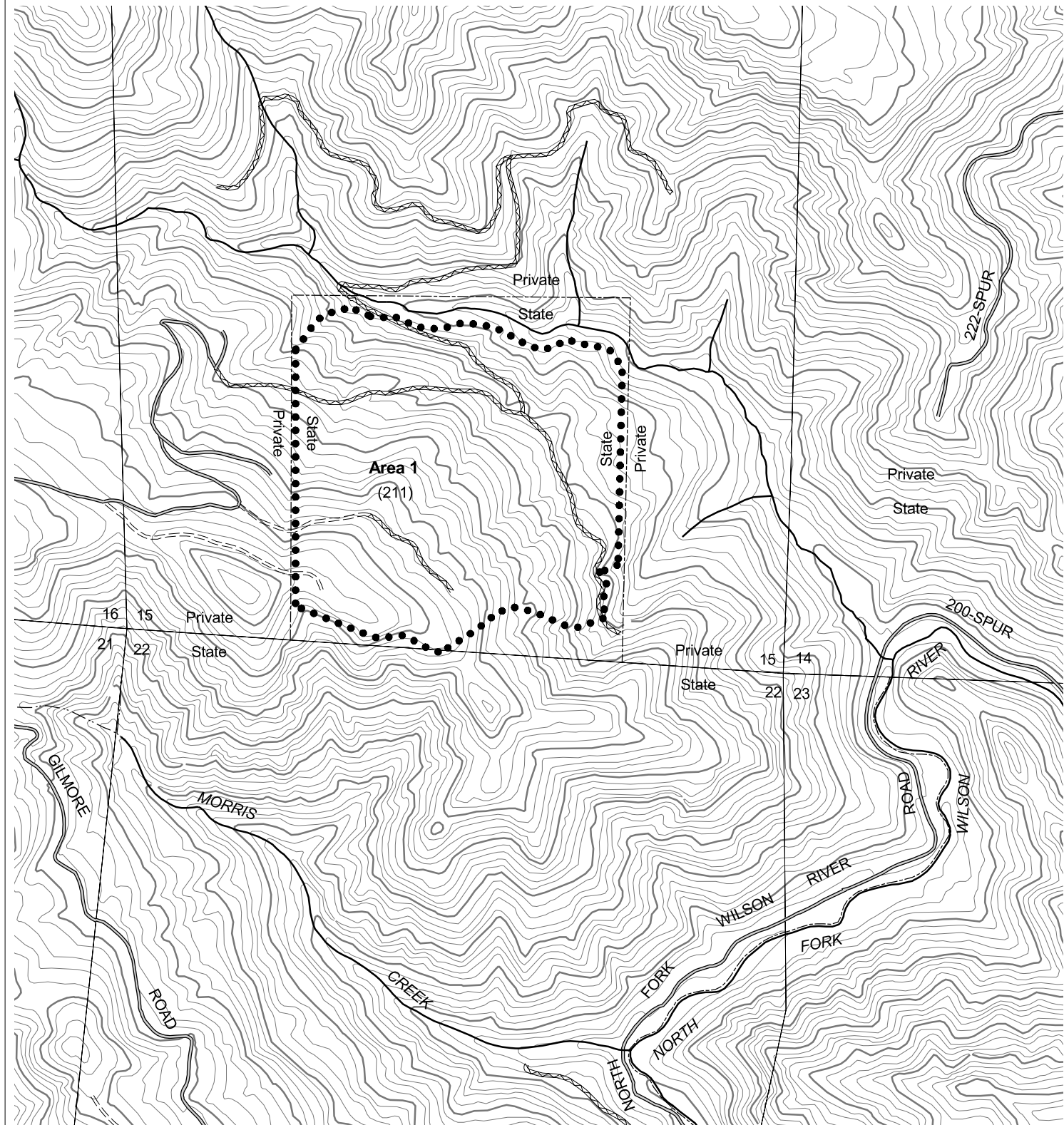
XIII. OTHER RESOURCE CONSIDERATIONS:

None known. There are no permanent inventory plots or other research plots identified in this area.

Property lines have been blazed and the adjacent private property to the west has been harvested within the last five years.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

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



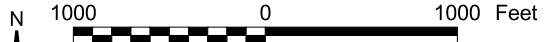
- +--- Area boundary
- Sale boundary
- Contour Interval 40'
- Ownership boundary
- Perennial Type-F stream *
- Perennial Type-N stream *
- ==== Unsurfaced road
- ===== Surfaced road
- State/Federal highway
- ▨▨▨ Legacy road
- - - Road construction
- ▬▬▬ County road

ROGER THIN TIMBER SALE

**-- Topography --
2007 SALE PLAN
TILLAMOOK DISTRICT**

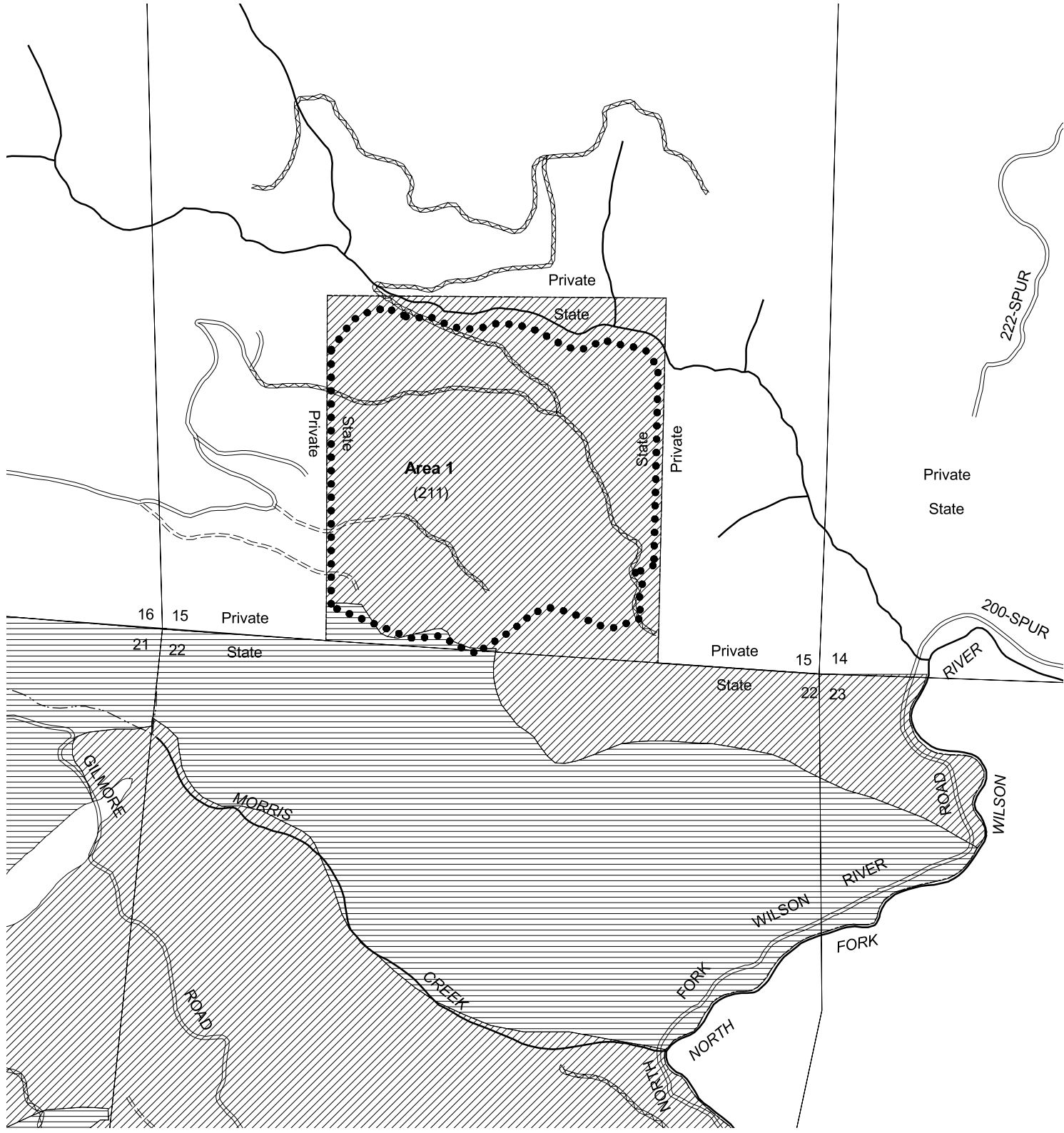
Portions of Section 15,
T2N, R7W, W. M.
Tillamook County, Oregon

Area	Type of Operation
1	Partial cut



Tillamook District GIS
10-06-2005
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* Streams of unknown fish presence are not shown but will be surveyed prior to the sale



- Desired future condition
- Layered
 - Older forest
 - Area boundary
 - Sale boundary
 - Ownership boundary
 - Perennial Type-F stream *
 - Perennial Type-N stream *
 - Unsurfaced road
 - Surfaced road
 - State/Federal highway
 - Legacy road
 - Road construction
 - County road

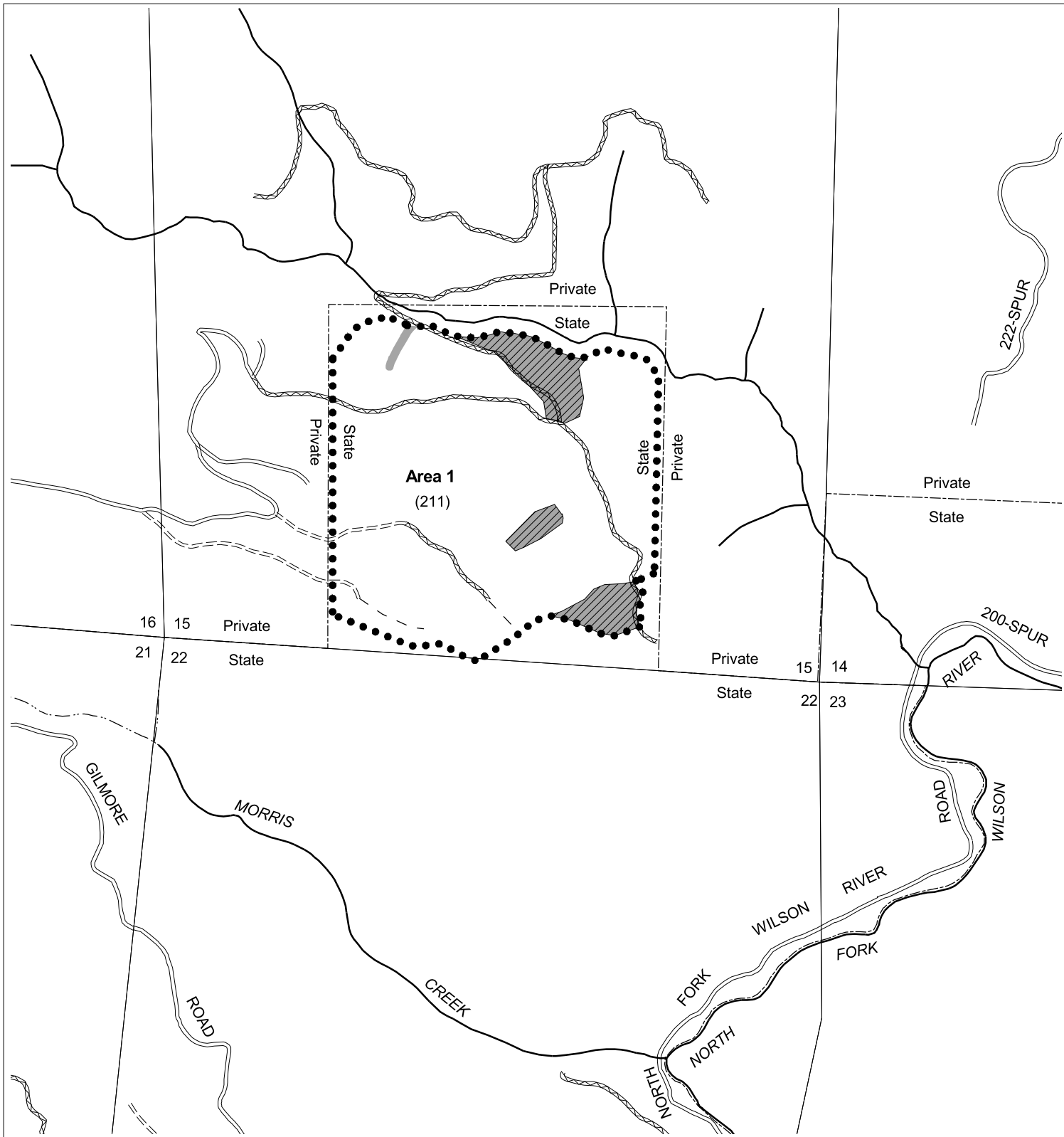
ROGER THIN TIMBER SALE
-- Current and Future Condition --
2007 SALE PLAN
TILLAMOOK DISTRICT
 Portions of Section 15,
 T2N, R7W, W. M.
 Tillamook County, Oregon

















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Area	Type of Operation
1	Partial cut

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-  Buffer
-  Non-required thinning
-  Area boundary
-  Sale boundary
-  Ownership boundary
-  Perennial Type-F stream *
-  Perennial Type-N stream *
-  Unsurfaced road
-  Surfaced road
-  State/Federal highway
-  Legacy road
-  Road construction
-  County road
-  Transmission line

ROGER THIN TIMBER SALE

-- Key Resources --

**2007 SALE PLAN
TILLAMOOK DISTRICT**

Portions of Section 15,
T2N, R7W, W. M.
Tillamook County, Oregon



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1	Partial cut

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