

Pre-Operations Report

Operation Name: Sullivan Daggett Divide

County: Coos

Management Basin: 9

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	74	65
2	Clearcut	15	12
Total		89	76

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a two-unit timber sale totaling 77 net acres. This timber sale is located on the western slope of the Coast Range in the Sullivan Creek and West Fork Millicoma River watersheds within Elliott State Forest Management Basin 9. This timber sale area is in close proximity to the Pacific Ocean, which has a dominant influence on the climate. The average annual rainfall is between 70-75 inches. Temperatures range from 28-90 degrees Fahrenheit throughout the year. This timber sale has an elevation of 400 to 1300 feet above sea level with slopes ranging from 30 percent to over 100 percent. Area 1 has a southerly aspect with some west and east faces, and Area 2 has a southerly aspect. Eocene sedimentary rocks underlie the area. Soil types for these two units are Milbury-Bohannon-Umpcoos associations, Preacher-Bohannon loam and Templeton-Millicoma complex.

II. CURRENT STAND CONDITION:

The timber sale is third growth Douglas-fir. In Area I, the western portion is 33 years old, the northern portion is 64 years old and the eastern portion is 97 years old and Area II is 54 years old. Table 2 contains stocking, size and age information for all the areas in this timber sale. There are a few hard snags in the stand. Stand health is satisfactory which is typical for the Elliott State Forest.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age in 2007	DBH	BA	TPA	RD	Acres ²
1	CC	1882	DF..	33	11	151	215	43	5
1	CC	1883	DF,WH	64	17	120	92	36	12
1	CC	1884	RA,DF	97	18	165	89	39	47
2	CC	2424	DF..	54	20	221	101	51	12
2	Target ³	2424	DF..		18,20	3	3	1	76

1. The Stand ID data source is (SLI) current records.

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

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

4. This stand type was included with an adjacent stand that doesn't have similar characteristics; however the inventory information was documented.

III. DESIRED FUTURE CONDITION:

The desired condition is a young age class stand to provide early successional habitat in accordance with the Balanced Landscape strategy of the Elliott State Forest Management Plan. It will be composed of Douglas-fir and other conifer species, perhaps including hemlock and red cedar. Red alder will also naturally regenerate in the stand. Green trees retained during this operation will provide for multi-story stand structures valuable for wildlife. This mix of planted and natural regeneration will comprise the next planned rotation.

Table 3. Stand Structure Information (Does not apply Elliott State Forest)¹

IV. PROPOSED MANAGEMENT PRESCRIPTION:

The prescription for this sale is to harvest most of the overstory, leaving standing trees within buffer areas and scattered in selected locations in or along the edge of the sale unit.

Site Preparation and Planting - Site preparation will be achieved by yarding disturbance and treating residual brush with herbicide prior to planting. The site will be planted with conifer seedlings at approximately 400-500 trees per acre.

Green Tree Retention - A minimum of about 216 trees (about 3 per acre) will be left in or adjacent to Areas 1 and 2. Emphasis will be given to retention of conifer species other than Douglas-fir. Some of these trees will be topped for snag creation. Single green trees will not be left unless localized soil conditions provide for wind firmness and logging conditions are suitable. The location and final number of retained trees will be determined during the sale prep process. Emphasis may be given to widening riparian management areas.

Snag Retention and Creation - Existing snags within the sale area will be left, with the exception of those that endanger work crews. Tops will be blown or sawn off green trees to leave approximately 36 topped trees between Areas 1 and 2 (about one tree per 2 acres harvested).

Down Log Retention - At least 216 logs (3 logs per acre harvested) will be left in or adjacent to Areas 1 and 2 for habitat purposes in accordance with the Elliott State Forest Management Plan. Down logs shall meet the following minimum specifications: 16 feet in length and 12 inches diameter at the large end.

Burning - Portions of the sale may be burned depending on the amount and distribution of the slash and timing of sale completion. The main purpose of this type of burn is to provide for biological diversity and improved big game forage rather than site preparation. However, portions of the sale may be burned, if planting spots are too few to attain adequate stocking.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
15%	85%		X
Planned Quarter:		Alternate	

	Conifer	Hardwood	Total
Net Volume (MBF)	1,200	500	1,700
Stumpage Value (\$/MBF)	400	400	
Estimated Gross Value	480,000	200,000	680,000
		Project Costs:	\$40,000
		Estimated Net Value:	\$640,000

VI. HARVESTING AND ACCESS CONSIDERATONS:

All legal access to the sale is obtained and there are no property lines needing to be surveyed. Access to Area 1 is from the 3000 road and Area 2 from the 3325 road. Winter harvesting will require purchaser supplied rock. If new landings and short access spurs are constructed in Area 1, final locations will be determined during the sale preparation process. The rocked collector spurs are in good shape and will require only maintenance or minor improvement. The dirt segments of the 3320 and 3325 roads will be examined during the timber sale preparation process for maintenance and determination if pullback of sidecast is necessary. A 1000 cubic yard stockpile project will be included in this sale. Final stockpile location will be determined during the timber sale preparation process.

The sale areas will be cable yarded up hill.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.0
Improve	0.0	0.0	0.0	0.0
Maintain	0.4	0.0	0.0	0.3
Close/Block	0.0	0.0	0.0	0.3
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The sale areas are located within West Fork Millicoma River and Sullivan Creek watersheds. Streams associated with these sale areas have not been surveyed for fish presence and will be done during the spring of 2008. All drainages associated with the sale area will be field surveyed during the 2008 summer low flow period to determine the stream channel extent and whether streamflow is perennial or seasonal. For Area I; the southern stream is Sullivan Creek, a small Type F and the remaining streams in Area I are unclassified until surveyed. The lower western stream is an unknown perennial. For Area II, the southern stream is a small unknown and the interior stream is a seasonal unknown.

There are no known water rights within or downstream of the proposed operation.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

The older habitat within this sale area may be suitable for certain T and E species. This sale is planned under the standards of the Elliott State Forest Management and Habitat Conservation Plans and other Oregon Department of Forestry (ODF) policy. The specific measures are as follows:

NSO Habitat Retention - There is no minimum acreage for NSO nesting, roosting, and foraging habitat in Basin 9 above the required reserve acres. Reserve acres in this basin include 1127 acres (18%) that will be continually retained in riparian management areas, habitat conservation areas and other conservancy acres. Fifty percent of this basin (3106 acres) must provide dispersal habitat. After this sale plan, there will be about 4280 acres of dispersal habitat retained which includes 90 acres of in-growth in 2008.

Marbled Murrelet - First year protocol surveys were completed in 2007 and second year surveys will be completed again in 2008. Area1 is adjacent to the Sullivan Headwaters Marbled Management Area. ODF's Southern Oregon Area Biologist will determine the application of seasonal restrictions during sale layout to comply with ODF's policies for the Marbled Murrelet.

Bald Eagle, Other - There are no bald eagles or other listed animal species in the vicinity of this sale.

Salmon and Steelhead – Area 1 and 2 is within 100 feet of an assumed Type F stream.

Plants - No listed plant records were identified within the sale area.

Fragmentation - The sale areas are isolated residual stands or are located on the edge of a contiguous block of mature timber and do not increase fragmentation of interior habitat.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This sale has had a map review by an ODF geotechnical specialist. A closer examination will be made during the sale layout process to determine if additional geotechnical review is needed. Portions of Area 1 appear to meet criteria for classification as high landslide hazard locations (uniform slopes greater than 75% and/or planform concave slopes greater than 65%). In Area 1 there appear to be a number of channels capable of delivering a channelized debris flow(s) to Type F Sullivan Creek. It is likely that deposition would occur at the confluence of the tributaries with the mainstem of type F Sullivan Creek. Mobilization of wood at those locations may occur during high peak flows. A small portion of Area 2 appears to meet criteria for classification as HLHL. There appear to be two channels capable of delivering a channelized debris flow(s) to the type F West Fork Millicoma tributary. Mobilization of wood at the deposition site may occur, however given the distance, the probability of delivery to the WF itself is low.

X. RECREATION RESOURCES:

The most common recreation for this area is hunting and dispersed undeveloped recreation. Harvesting of these units will provide forage area to help promote healthy deer and elk populations. In addition, areas of bare soil around road edges and landings will be grass seeded after logging to provide forage. Surrounding forest types provide escape cover. No conflict is seen with respect to the undeveloped, dispersed recreation usage of the forest.

XI. CULTURAL RESOURCES:

There are no cultural sites associated with this sale.

XII. SCENIC RESOURCES:

The units are not within any scenic management areas. There are no scenic

management constraints for this sale. No significant conflicts with users are anticipated.

XIII. OTHER RESOURCE CONSIDERATIONS:

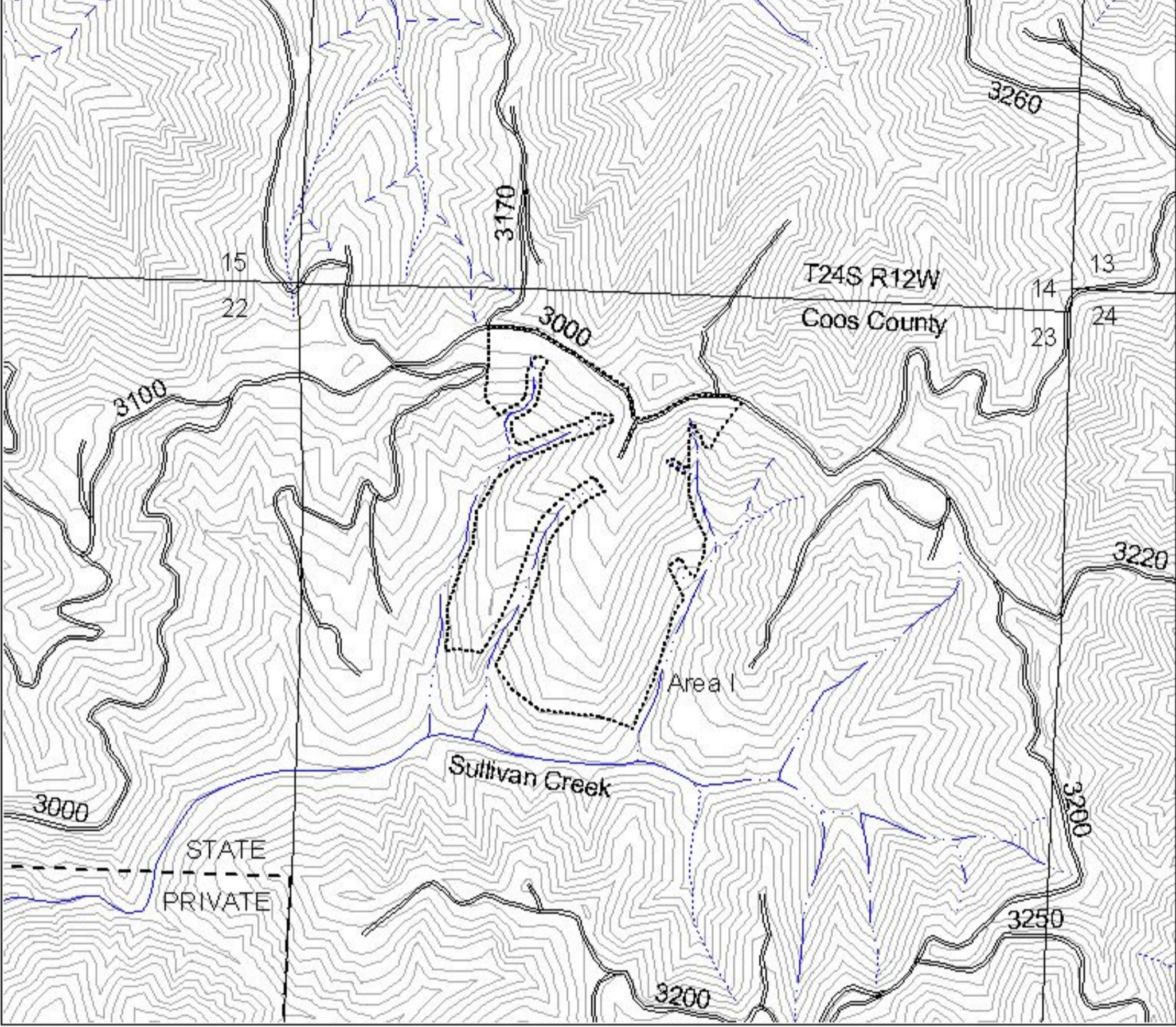
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

Area	Production
1	64
2	12

This table summarizes the acres in each land use class within the operation.



- Timber Sale Boundary
- Elliott State Forest Boundary
- Type F Streams
- Type N Perennial Streams
- Type N Seasonal Streams
- Unclassified
- Existing Road
- 40 Foot Contours
- Section Lines
- New Road Construction

**Sullivan Daggett Divide Timber Sale
Area 1
-- Topography --
FY 09 Sale Plan
Coos District**



1000 0 1000 Feet



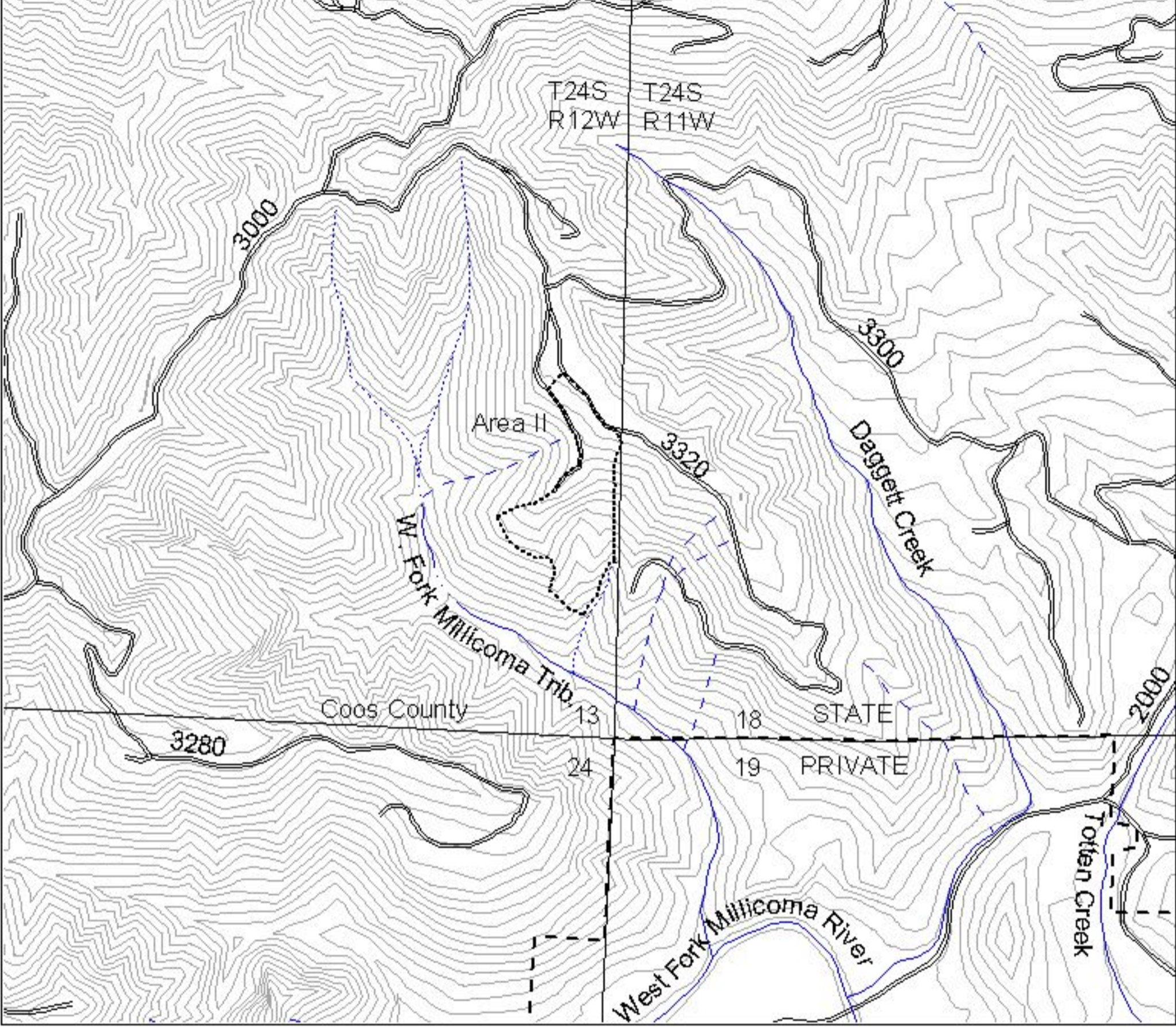
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Portions of Section 23
T24S, R12W, W.M.
Coos County, Oregon

Sale Area	Harvest Type	Net Acres
1	Clearcut	63
2	Clearcut	13
Total		76

Coos District GIS
09/14/07

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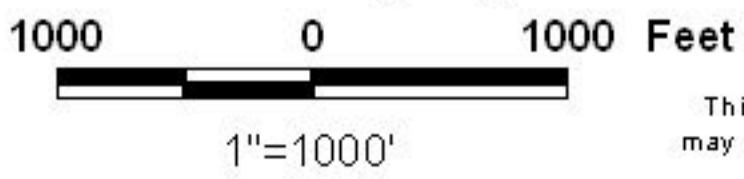


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**Sullivan Daggett Divide Timber Sale
Area 2
-- Topography --
FY 09 Sale Plan
Coos District**

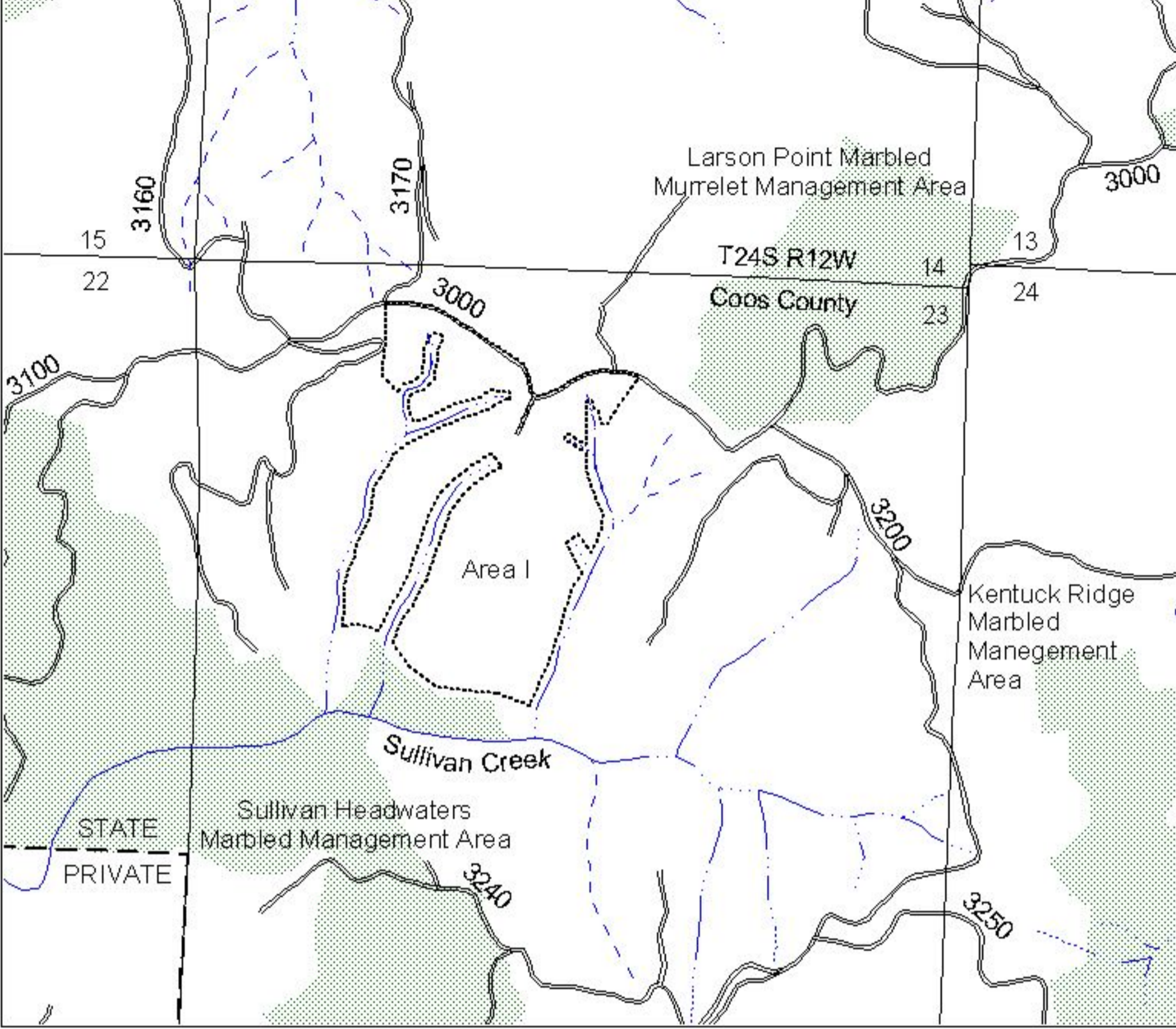
Portions of Section 13
T24S, R12W and
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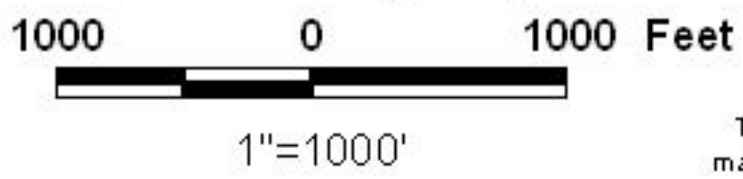


**Sullivan Daggett Divide Timber Sale
Area 1**

- Timber Sale Boundary
- Elliott State Forest Boundary
- Type F Streams
- Type N Perennial Streams
- Type N Seasonal Streams
- Unclassified
- Existing Road
- Section Lines
- Marbled Murrelet Management Area
- New Road Construction

**-- Key Resources --
FY 09 Sale Plan
Coos District**

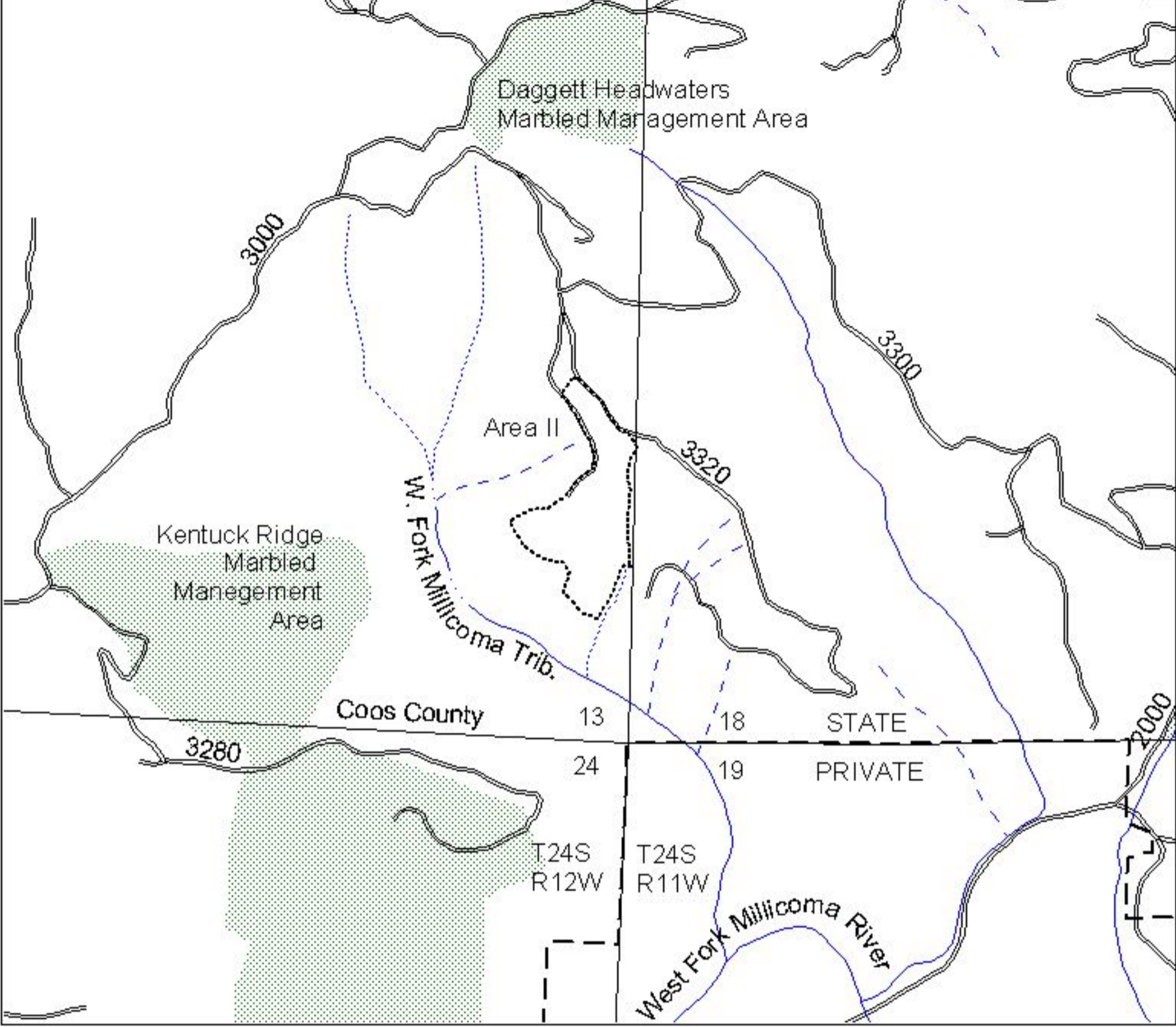
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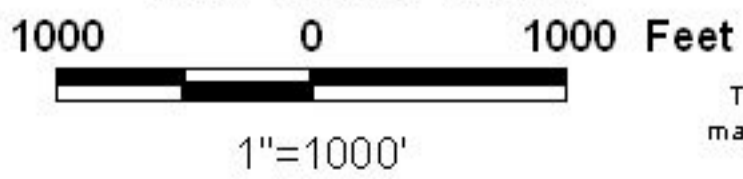
**Sullivan Daggett Divide Timber Sale
Area 2**

**-- Key Resources --
FY 09 Sale Plan
Coos District**

Portions of Section 13
T24S, R12W and
Portions of Section 18
T24S, R11W, W.M.
Coos County, Oregon

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