

Pre-Operations Report

Operation Name: Comados

County: Coos

Management Basin: 12

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	clearcut	54	49
2	clearcut	45	39

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a two-unit timber sale totaling 88 net acres. This timber sale is located on the western slope of the Coast Range in the West Fork Millicoma River watershed within Elliott State Forest Management Basin 12. This timber sale is in close proximity to the Pacific Ocean, which has a dominant influence on the climate. The average annual rainfall ranges between 95 to 100 inches. Temperatures range from 20-95 degrees Fahrenheit. This timber sale has an elevation of 720 to 1845 feet above sea level with slopes ranging from 30 percent to 90 percent. The dominant aspect of the sale area is west facing slopes with a small amount of the sale facing north and south. Soil types consist of 61% Milbury-Bohannon-Umpcoos and 39% Preacher-Bohannon Loams.

II. CURRENT STAND CONDITION:

The timber sale is second growth Douglas-fir that originated after the Coos Bay fire of 1868, ranging in age from 105 to 132 years old. It is primarily Douglas-fir with a minor component of western hemlock and western red cedar with red alder associated with stream buffers. Table 2 contains stocking, size and age information for all the areas in this timber sale. There are few hard snags in the stand. Stand health is satisfactory which is typical for the Elliott State Forest. The sale area is located outside of the current area of concern for Swiss needle cast.

Table 2. Stand Inventory Information

Area	Prescription	Stand id ¹	Species	Age in 2008	DBH	BA	TPA	RD	Acres ²
1	CC	1367	DFWH	132	24	203	63	43	7
1	CC	1366	DFWH	125	24	284	94	62	41
2	CC	1360	DFRA	105	21	201	86	46	24
2	CC	2177	DFWH	131	19	294	153	70	16
	Target ³	N/A	DF		22	8	3	8	88

1. The source of stand inventory information is (SLIP) from 2007 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.

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 mainly Douglas-fir with a smaller component of hemlock and red cedar. Red alder and bigleaf maple will also naturally regenerate in the stand. Green trees retained from the previous rotation 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 264 trees (about 3 per acre) will be left in or adjacent to the sale areas. Emphasis will be given to retention of conifer species other than Douglas-fir. Some of these trees will be topped and/or girdled 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 of retained trees will be determined during the sale prep process. Emphasis may be given to widening riparian management areas and enhancing land classified as scenic production.

Snag Retention and Creation - Existing snags within the sale area will be left, with the exception of those that endanger work crews. Green trees will be 50% girdled and 50% topped in order to recruit approximately 44 snags in the timber sale area (about one tree per 2 acres harvested). Specific instructions for selecting, girdling, and topping trees will be provided by the Southern Oregon Area Biologist during the timber sale layout process.

Down Log Retention - At least 264 logs (3 logs per acre harvested) will be left in or adjacent to the sale areas 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 to attain adequate stocking, if planting sites are too few.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

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

	Conifer	Hardwood	Total
Net Volume (MBF)	4840	80	4920
Stumpage Value (\$/MBF)	400	400	
Estimated Gross Value	\$ 1,936,000	\$ 32,000.00	\$ 1,968,000
		Project Costs:	\$ 65,000
		Estimated Net Value:	\$ 1,903,000

VI. HARVESTING AND ACCESS CONSIDERATONS:

The 2308, 9040 and 9300 roads are all rocked and will only require maintenance. Two landings will be constructed and one improved on the 2308 and 9040 roads. Winter harvesting will require purchaser supplied rock. New spurs and landings

may be constructed in area 2. Final locations will be determined during the sale preparation process. Segments of roads that are within/adjacent to the sale area will be examined to determine if pullback of sidecast is necessary. Dirt spurs in the timber sale area will be waterbarred and blocked following completion of operations.

The sale area will be uphill cable yarded.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.1
Improve	0.0	0.0	0.0	0.0
Maintain	0.0	0.0	2.0	0.0
Close/Block	0.0	0.0	0.0	0.0
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The timber sale areas are located within the West Fork Millicoma watershed. The streams associated with this sale have been surveyed to ODFW protocol for fish presence. All drainages associated with the sale areas will be surveyed during the 2009 summer low flow period to determine the stream channel extent, and whether streamflow is perennial or seasonal. Area 1 has a small Type N stream draining the unit and flowing directly into the West Fork Millicoma. Area 2 has a 350' Type N stream flowing from the southwest corner. Area 1 is adjacent to the West Fork Millicoma River which is a large type F bordering the northwest portion of the sale for 1100'.

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:

Basin 12 - There is no minimum acreage for NSO Nesting, Roosting, and Foraging habitat (NRF) in this basin above the required reserve acres. Reserve

acres in this basin include 1410 acres (28%) that will be continually retained in riparian management areas, habitat conservation areas and other reserve acres. After this sale plan, 57% of the basin (about 2843 acres) will be in dispersal habitat retained which includes 59 acres of in-growth in 2009 and 79 acres of in-growth in 2010. Stand health is satisfactory which is typical for the Elliott State Forest. The sale area is located outside of the current area of concern for Swiss needle cast.

Marbled Murrelet – The sale has been surveyed according to protocol standards during the 2008 survey season, and will receive second year surveys in 2009. No significant Murrelet behavior was recorded in 2008. The eastern boundary of Area 2 is adjacent to the Elk Forks Marbled Murrelet Management Area (MMMA). ODF's Southern Oregon Area Biologist will determine the application of seasonal restrictions during the sale layout to comply with ODF's policies for the Marbled Murrelet.

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

Salmon and Steelhead – Area 1 is within 100 feet of the West Fork Millicoma River, a large Type F stream.

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

Fragmentation – This sale is comprised of multiple aged stands ranging from 105 to 132 years old. Area 1 shares its west, south, and southeast boundaries with young stands ranging in age from 2 years to 18 years in age. The north part of Area 1 is bordered by 77 to 125 year old timber. Area 2 is bordered to the north and west by 3 to 19 year old stands and the southeast quadrant by an 8 year old stand. The Elk Forks MMMA containing 127 year old timber borders the east boundary of Area 2 and the southwest part of the unit by 105 to 131 year old stands. Area 1 is located on the edge of a contiguous block of mature timber and does not increase fragmentation of interior habitat. Area 2 does bisect mature timber and will increase fragmentation. This area was chosen because alternate choices in this basin were adjacent to Marbled Murrelet Management Areas, HCA's or had data indicating the potential presence of marbled murrelets.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

The sale areas have had a map review by an ODF geotechnical specialist. A closer examination will be made during the sale layout process to determine if other site specific protection measures will be necessary.

Area 1: Most of the unit appears to meet criteria for classification as high landslide hazard locations (uniform slopes greater than 75% and/or palnform concave slopes greater than 65%). The two headwater tributaries of the small Type N stream are likely Potential Debris Flow Track Reaches. A debris flow

originating in the basin has a high probability of delivery to the WF Millicoma River; however, organic material is likely to be mobilized and carried downstream during high flows.

Area 2: Portions of the unit appear to meet criteria for classification as HLHL. Most of the unit is not HLHL. The small Type N stream flowing from the unit has two main tributaries. Both of these appear capable of delivering debris flows to the Type N; however, given the distance and channel junction angle, delivery to Type F WF Millicoma is unlikely.

X. RECREATION RESOURCES:

The most common recreation for this area is hunting and dispersed undeveloped recreation. Harvesting this unit will provide forage areas 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:

A portion of Area I is typed within the Scenic Production land use classification. Visual impacts will be considered when designing the location of green leaf trees within the sale area boundary. There are no scenic management constraints for unit two of this sale.

XIII. OTHER RESOURCE CONSIDERATIONS:

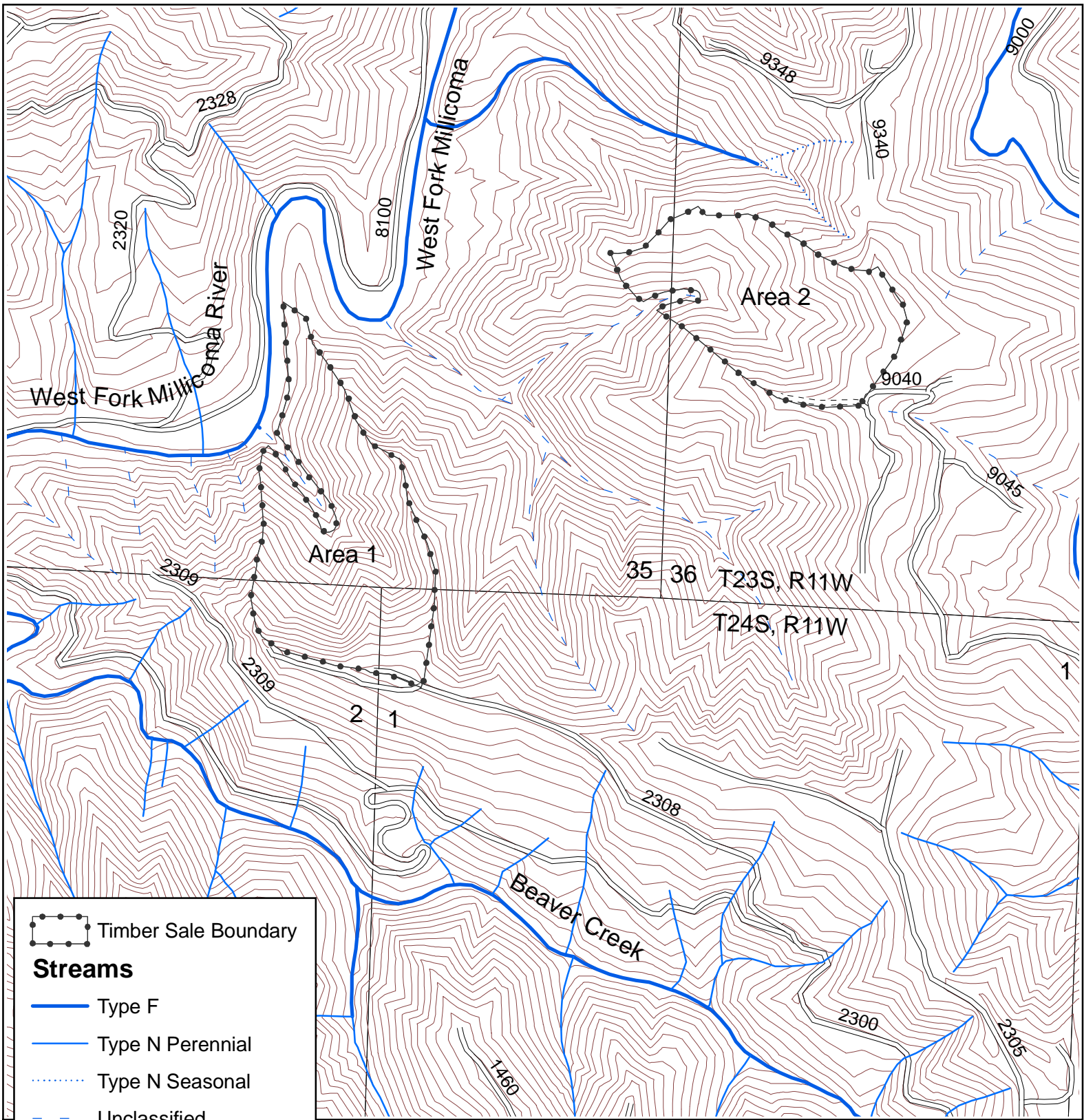
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

Area	Production	Scenic Production
1	31	18
2	39	0

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



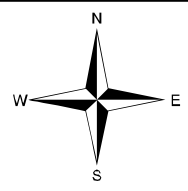
Timber Sale Boundary

Streams

- Type F
- Type N Perennial
- Type N Seasonal
- Unclassified

Roads

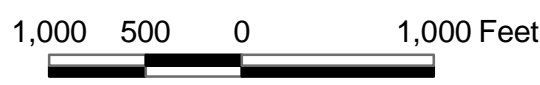
- Existing
- Construction
- 40' Contours
- Section Lines



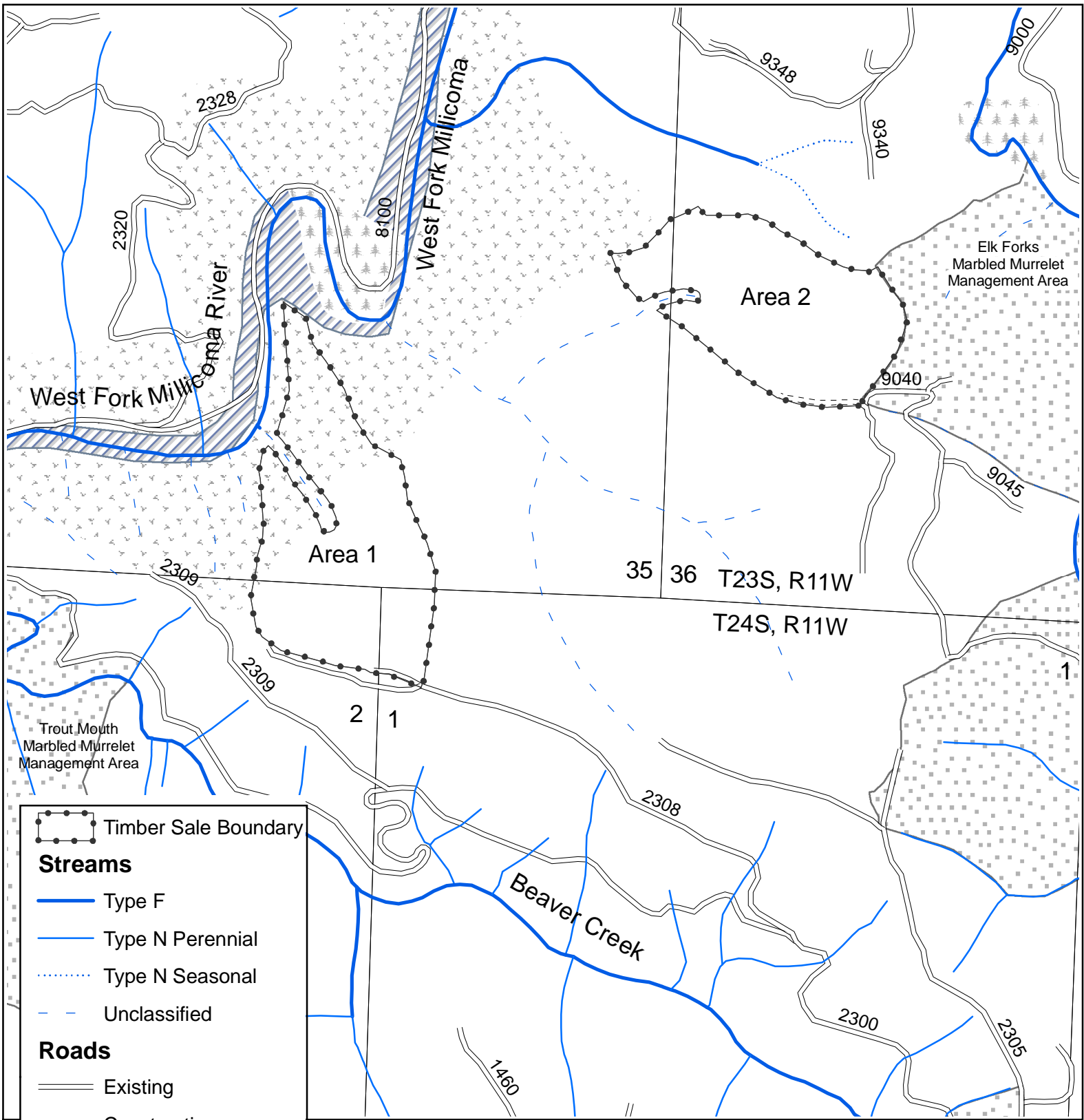
Comados
-- Topography --
FY 2010 Sale Plan
Coos District
 Portions of Sections 35 & 36,
 T23S, R11W, W.M. and
 Portions of Sections 1 & 2,
 T24S, R11W, W.M.
 Coos County, Oregon

Sale Area	Harvest Type	Net Acres
1	clearcut	49 acres
2	clearcut	39 acres
Total		88 harvest acres

1:12,000 1 inch equals 1,000 feet



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Legend

Timber Sale Boundary

Streams

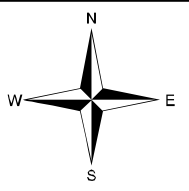
- Type F
- Type N Perennial
- Type N Seasonal
- Unclassified

Roads

- Existing
- Construction

Land Use

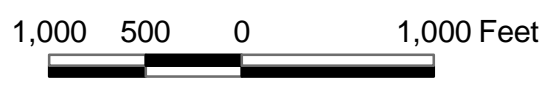
- Recreation Use
- Scenic Conservancy
- Scenic Production
- Marbled Murrelet Management Area



Comados
-- Key Resources --
FY 2010 Sale Plan
Coos District
 Portions of Sections 35 & 36,
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