

Pre-Operations Report

Operation Name: Millicoma Between
County: Coos
Management Basin: 10

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	51	44

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a one-unit timber sale totaling 44 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 10. 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 68-71 inches. Temperatures range from 20-95 degrees Fahrenheit throughout the year. This timber sale has an elevation of 320 to 1220 feet above sea level with slopes ranging from 36 percent to over 76 percent. The dominant aspect of the sale area is north comprised of northwest and northeasterly faces. Soil types consist of Milbury-Bohannon-Umpcoos association with some Preacher-Bohannon Loam.

II. CURRENT STAND CONDITION:

The timber sale is second growth Douglas-fir that originated after the Coos Bay fire of 1868. It is primarily composed of 122 year-old Douglas-fir with a minor conifer component of western hemlock and Sitka spruce with red alder and bigleaf maple 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 2007	DBH	BA	TPA	RD	Acres ²
1	CC	1755	DF	122	22	170	66	41	44
1	Target ³	N/A	DF		22	3	3	11	44

1. The source of stand inventory information is (SLIP) from 2006 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 other conifer species including hemlock and/or 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 132 trees (about 3 per acre) will be left in or adjacent to the sale area. 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.

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 girdled and/or topped to leave approximately 22 topped trees in the sale area (about one tree per 2 acres harvested).

Down Log Retention - At least 132 logs (3 logs per acre harvested) will be left in or adjacent to the sale area 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.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
0%	100%		X
Planned Quarter:		1	

	Conifer	Hardwood	Total
Net Volume (MBF)	1,593	10	1,603
Stumpage Value (\$/MBF)	400	400	
Estimated Gross Value	\$ 637,200	\$4,000.00	\$ 641,200
		Project Costs:	\$58,000
		Estimated Net Value:	\$583,200

VI. HARVESTING AND ACCESS CONSIDERATONS:

The main access to the sale area is the STATE maintained 1000 and 1100 roads. The 1100 road is a commonly used road and will be left open for year round traffic. The 1115 road will need to be reopened for this sale. A Road Use Permit will need to be obtained from Roseburg Resources Company for a 0.6 mile section of the 1115 road. There is one property line, approximately 455 feet in length, that may need to be refreshed along on the north edge of the sale area. A dirt spur road approximately 117 feet in length will need to be constructed to access a landing. Winter harvesting will require purchaser supplied rock. New spurs and landings may be constructed in the sale area. Final locations will be determined during the sale preparation process. The rocked collector (1100 road) is in good shape and will require only maintenance and/or minor improvement. The segments of the 1115 road that are within/adjacent to the sale area will be examined to determine if pullback of sidecast is necessary. Unnumbered dirt spurs in the timber sale area will be water barred and blocked following completion of operations.

The sale area will be cable yarded uphill.

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	2.3	0.0
Maintain	0.0	0.0	4.5	1.3
Close/Block	0.0	0.0	0.0	1.3
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The timber sale area is located within the West Fork Millicoma River watershed. Streams associated with this sale were surveyed in 2008 according to ODFW protocol in order to verify fish presence. All drainages associated with the sale area have been surveyed during the 2007 summer low flow period to determine the stream channel extent, and whether stream flow is perennial or seasonal. A small Type N perennial originates within the sale area and flows into a second small Type N perennial which forms the east boundary of the unit. The remaining streams in the sale area are classified as small Type N seasonal potential debris flow tracks.

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 10 - 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 1910 acres (39%) that will be continually retained in riparian management areas, habitat conservation areas and other conservancy acres. A minimum of 50% (2,465 acres) of this basin must be maintained in dispersal habitat. After this sale plan, there will be about 3520 acres of dispersal habitat retained which includes 82 acres of in-growth in 2006, 45 acres of in-growth in 2007 and 74 acres of in growth in 2008. 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 area was surveyed according to protocol standards during the 2007 and 2008 survey season. Survey results showed no significant detections within or adjacent to the sale area. The sale is not within 330' or one-quarter mile of any Marbled Murrelet Management area.

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 – The sale area is within 100 feet of a Type F stream.

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

Fragmentation - The sale is an isolated residual patch of timber which shares two of its west (harvested in 2003) and east (harvested in 2002) boundaries with reforestation units. This sale will 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. Most of the unit meets criteria for classification as high landslide hazard locations (uniform slopes greater than 75% and/or planform concave slopes greater than 65%). There appear to be two channels capable of channelized debris flow delivery to the small Type N which forms the east boundary of the unit. This is a Potential Debris Flow Track Reach. Aerial photo examination and field reconnaissance show a debris flow deposit in the West Fork Millicoma at the mouth of this basin. Large wood delivered to the West Fork will likely be mobilized during high peak flows. When Lidar images become available for the Elliott they will be reviewed for this planned sale.

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:

The units are not within any scenic management areas.

XIII. OTHER RESOURCE CONSIDERATIONS:

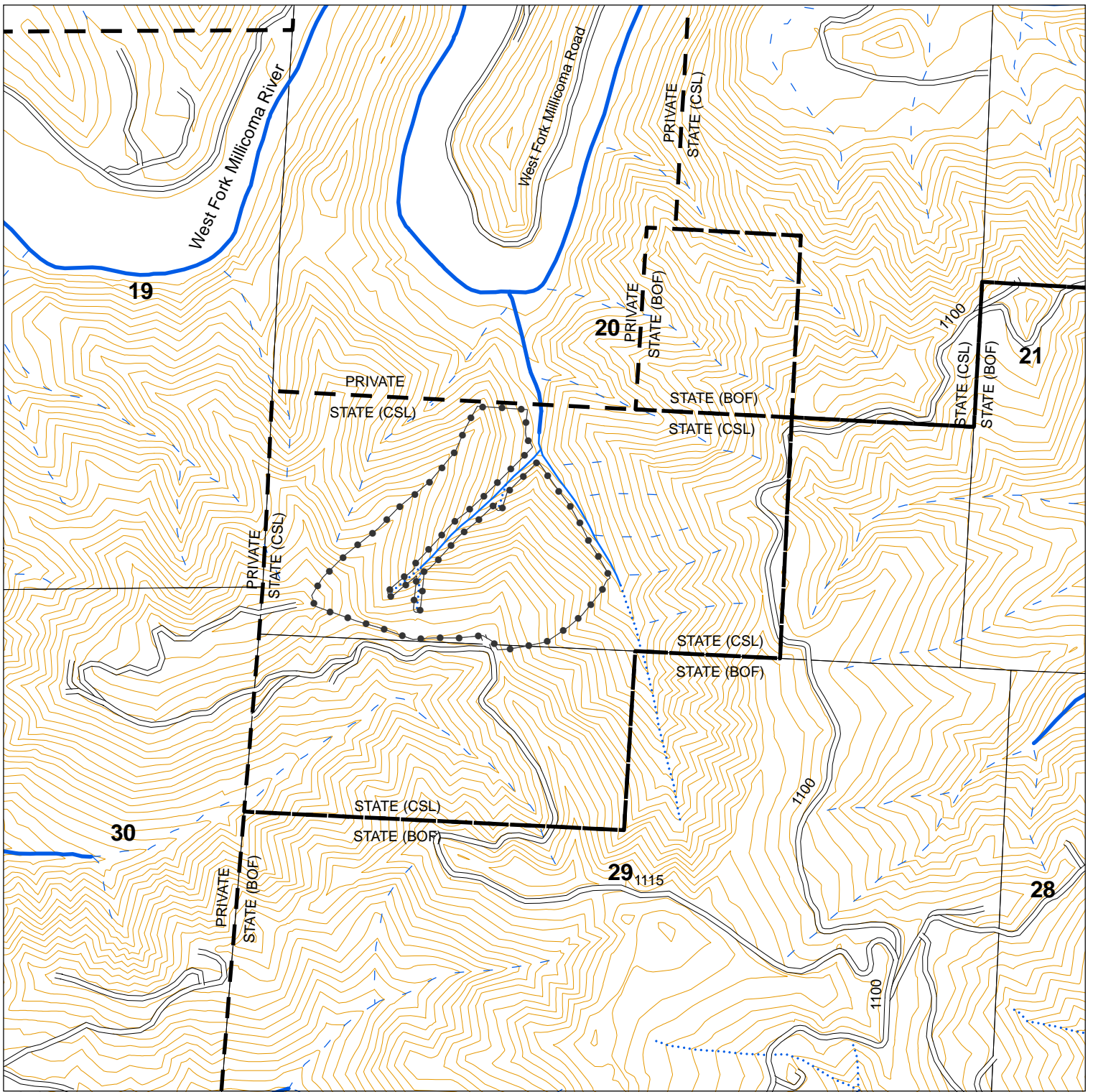
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

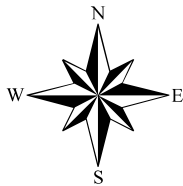
Table 6. Land Use Classification Summary

Area	Production
1	44

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



- Timber Sale Boundary
- ODF Ownership Boundary
- Existing Roads
- Road Construction
- Type F
- Type N Perennial
- Type N Seasonal
- Unclassified
- Section Line
- 40 ft. contours



**Millicoma Between
--Topography--
FY 2010 Sale Plan
Coos District**

Section 20, T24S, R11W, W.M.
Coos County, Oregon

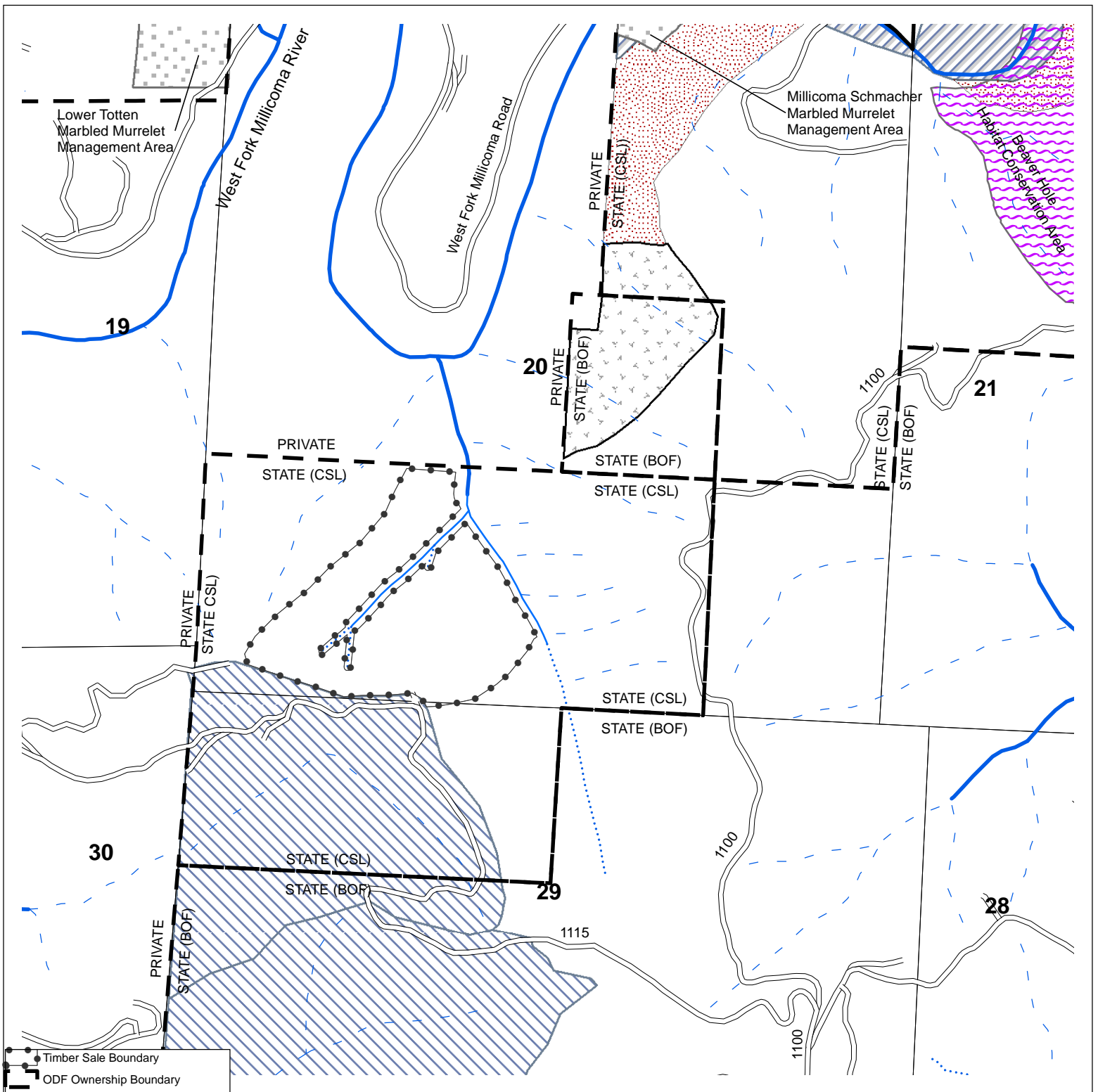
Scale 1"=1,000'



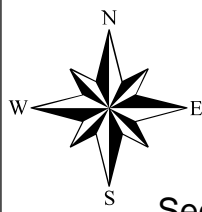
Sale Area	Harvest Type	Net Acres
1	Clearcut	44

Coos District GIS
06/12/2008

This product is for informational use and
may not have been prepared for, or suitable
for legal, or surveying purposes.



● Timber Sale Boundary
 — ODF Ownership Boundary
 — Existing Roads
 - - - Road Construction
 — Type F
 — Type N Perennial
 ···· Type N Seasonal
 - - - Unclassified
 — Section Line
 [Hatched] Habitat Conservation Area
 [Dotted] Marbled Murrelet Management Area
Land Use
 [Red Dotted] Protective Conservancy
 [Blue Hatched] Public Safety
 [Blue Diagonal] Scenic Conservancy
 [Black Dotted] Scenic Production



**Millicoma Between
 --Key Resources--
 FY 2010 Sale Plan
 Coos District**
 Section 20, T24S, R11W, W.M.
 Coos County, Oregon

Scale 1"=1,000'



Sale Area	Harvest Type	Net Acres
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