

Pre-Operations Report

Operation Name: Marlow Millicoma Divide

County: Coos

Management Basin: 10

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	73	69
Total		73	69

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a one unit timber sale totaling 69 net acres. This timber sale is located on the western slope of the Coast Range in the Marlow Creek and East Fork Millicoma River watersheds 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 70-75 inches. Temperatures range from 28-90 degrees Fahrenheit throughout the year. This timber sale has an elevation of 400 to 1200 feet above sea level with slopes ranging from 30 percent to over 100 percent. One third of the sale has a southerly aspect, second third has a northerly aspect and the last third has a westerly aspect. Soils in the sale are classed as Milbury-Bohannon-Umpcoos Association (50-80 percent).

II. CURRENT STAND CONDITION:

The timber sale is second and third growth Douglas-fir and consists of six stands, ranging in age from 42 to 107. It is primarily composed of Douglas-fir with a significant component of red alder as well as western hemlock and western red cedar. 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. 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	SDI	Acres ²
1	CC	1777	CXRC	74	18	213	114	50	11
1	CC	1779	DFWH	77	17	230	143	56	8
1	CC	1781	DFWH	107	25	230	65	48	17
1	CC	1782	DFRA	69	16	245	157	60	26
1	CC	1783	DFWH	42	15	174	137	44	1
1	CC	1787	DFWH	79	21	209	87	47	1
1	CC	1788	DFWH	99	17	249	151	61	3
1	CC	1792	DFRA	79	14	200	178	52	2
1	Target ³	N/A	DFRA		18	3	3	1	69

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 SDI) 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 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 219 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 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 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. Green trees will receive a combination of topping and girdling to leave approximately 37 topped/girdled trees (about one tree per two 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 219 logs (3 logs per acre harvested) will be left in or adjacent to Area 1 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
98%	2%		X
Planned Quarter:		3	

	Conifer	Hardwood	Total
Net Volume (MBF)	1764	336	2,100
Stumpage Value (\$/MBF)	350	400	
Estimated Gross Value	617,400	134,400	751,800
		Project Costs:	10,000
		Estimated Net Value:	741,800

VI. HARVESTING AND ACCESS CONSIDERATONS:

There is one property line requiring surveying on the northeast corner of the sale area approximately 1500 feet in length. If new landings constructed in Area 1, final locations will be determined during the sale preparation process. Access to the timber sale area will require the state to secure an access easement with ODOT for the Coos River Secondary Road No. 241, and with Weyerhaeuser Co. and Lone Rock Timber Company's for Lockhart Ridge Road. The PURCHASER

will be required to obtain permits from ODOT, Weyerhaeuser Company, Lone Rock Timber Company and a small private landowner. A pilot car is required for use on portions of the ODOT maintained Secondary Road.

The sale area 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	0.1
Maintain	6.0	0.0	3.5	0.6
Close/Block	0.0	0.0	0.0	0.6
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The sale area is located within the East Fork Millicoma River and Marlow Creek watersheds. All drainages associated with this sale area have been surveyed for fish presence and will be surveyed during the 2010 summer low flow period to determine the stream channel extent and whether stream flow is perennial or seasonal. The draws in this unit are tributaries to the East Fork Millicoma River, which is a large size perennial Type F stream and Marlow Creek a large F stream which is also a tributary to the East Fork Millicoma River. A perennial N drains the southern portion of the sale, draining into the East Fork Millicoma, an additional perennial N lies directly to the North of the sale and drains to Marlow Creek. The remaining drainages are unclassified Type N's.

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) policies. The specific measures are as follows:

NSO Habitat Retention - There is no minimum acreage for NSO nesting, roosting and foraging (NRF) habitat in this basin above the required reserve acres. Reserved acreage in this basin which include 844 acres (17% of basin) that will be continually retained in riparian management area, habitat conservation areas and other conservancy acres. Fifty percent of this basin (2465 acres) must provide dispersal habitat. After this sale plan, there will be about 3509 acres of dispersal habitat retained. Portions of the sale area are within 0.25 miles of a known NSO activity center.

Marbled Murrelet - First year protocol surveys were completed in 2008 and second year surveys will be completed in 2009. Oregon Department of Forestry'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. Currently, no areas of the timber sale are within 330 feet of a Marbled Murrelet Management Area but portions are within ¼ mile of two MMMA's.

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

Salmon and Steelhead – The sale area is not within 100 feet of any Type F streams.

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

Fragmentation - This sale bisects mature habitat. This area was chosen because suitable substitutes were not available; alternative choices in this basin were either adjacent to Marbled Murrelet Management Areas, HCA's, proposed T&E cores (for the purpose of plan revision), had high quality marbled murrelet habitat, or data indicating the presence of marbled murrelets.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This sale area has had a map review by an ODF geo-technical specialist. A closer examination will be made during the sale layout process to determine if other site specific protection measures will be necessary. There are three distinct basins within the unit containing High Landslide Hazard Locations. Basin 1: Drains northernmost portion of the unit, and contains type N headwater tributaries of a type F stream which flows into Marlow Creek. Both forks of this tributary appear to be Potential Debris Flow Track Reaches. Basin 2: Drains westernmost portion of the unit, and is the headwaters for the type F/N tributary to Marlow Creek. This tributary appears to be a Potential Debris Flow Track Reach. Basin 3: The main stream as well as three of its four forks appear to be Potential Debris Flow Track Reaches.

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 sale area is not within any scenic management areas.

XIII. OTHER RESOURCE CONSIDERATIONS:

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

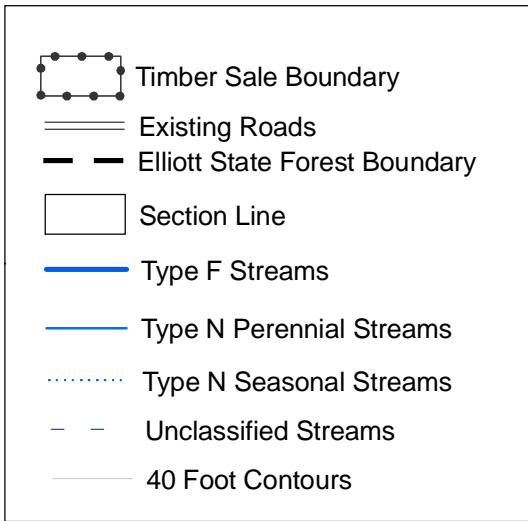
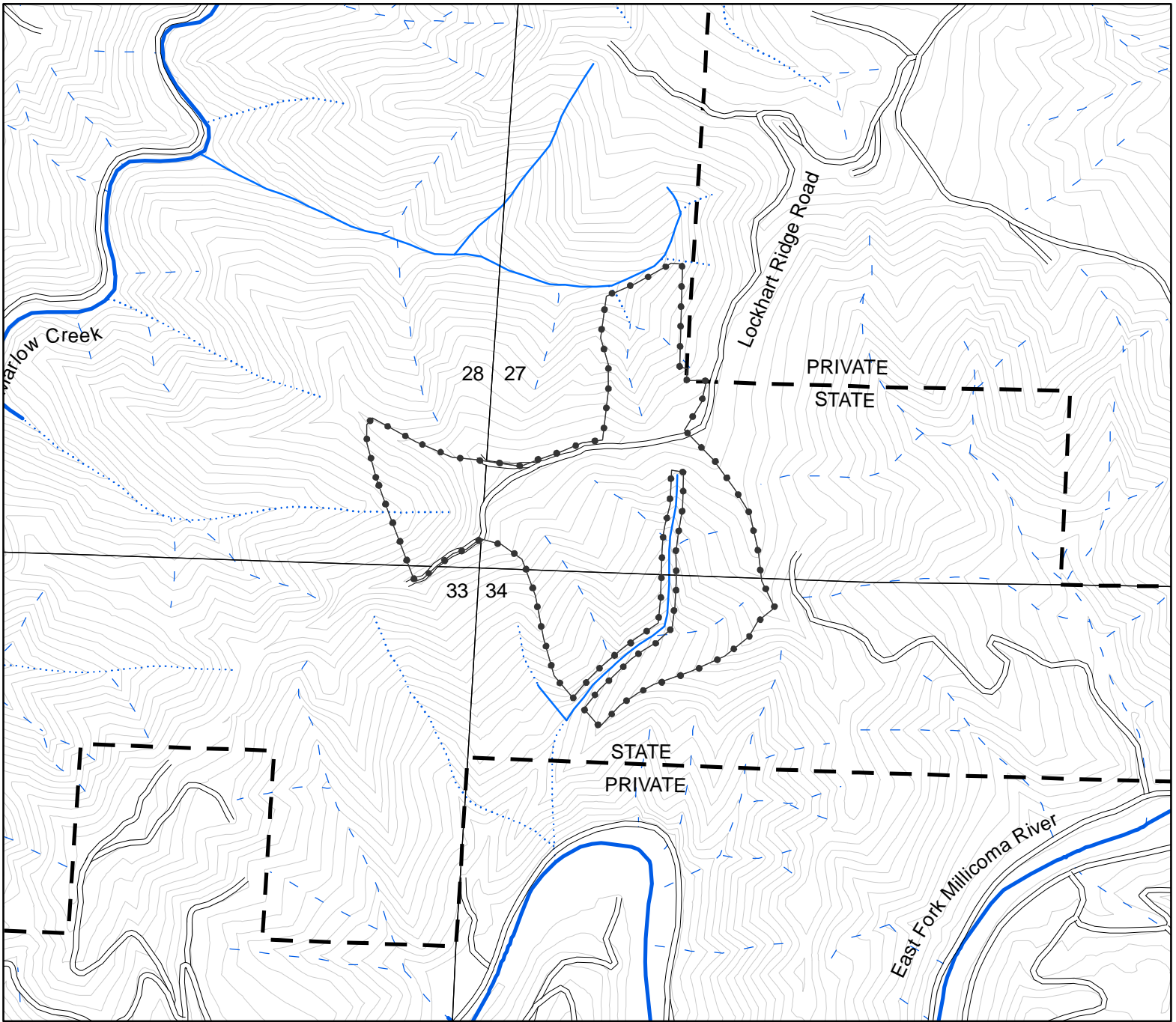
XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Area I contains an area classified as a rock outcrop. The size and exact location of the outcrop will be determined during sale layout.

Table 6. Land Use Classification Summary

Area	Production	Noncommercial Rocky
1	66	3

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



Marlow Millicoma Divide
 -- Topography --
FY 2010 Sale Plan
Coos District

Portions of Sections 27, 28, 33 and 34
 T24S, R11W, W.M.
 Coos County, Oregon



1" = 1,000'
 Scale 1:12,000

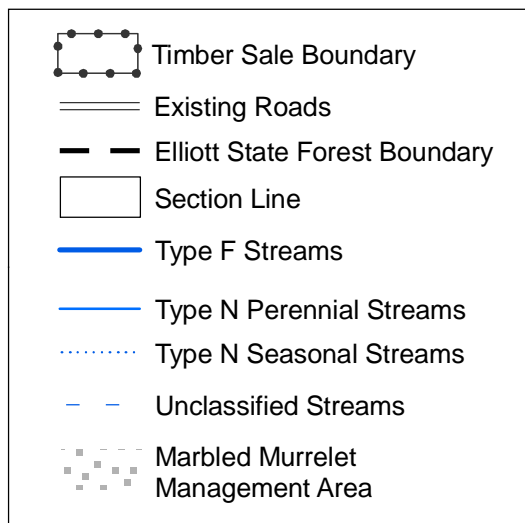
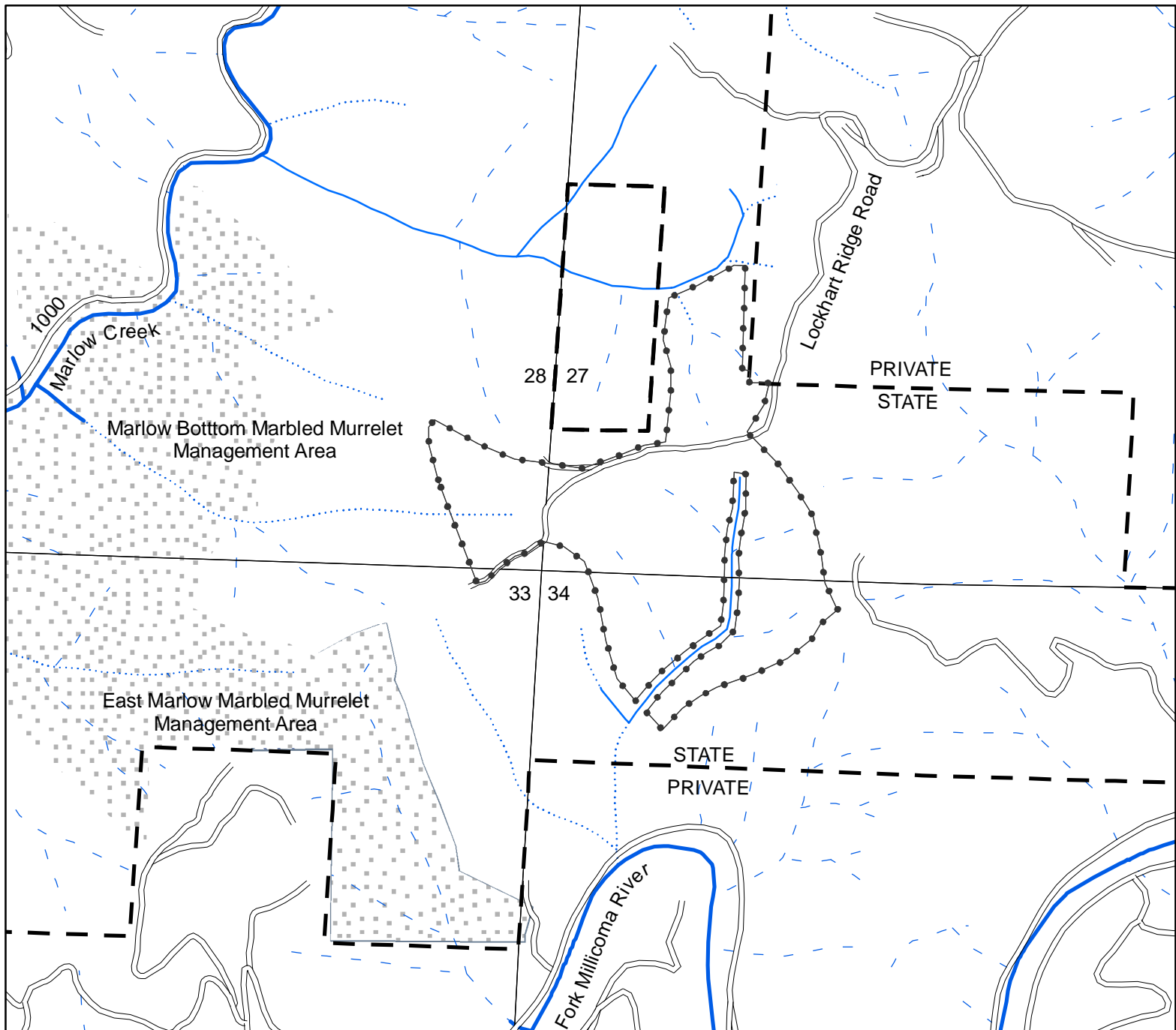
Attachment A



Sale Area	Harvest Type	Net Acres
1	Clearcut	69

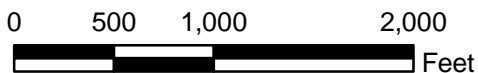
Coos District GIS
 09/15/2008

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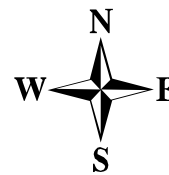
Marlow Millicoma Divide
-- Key Resources --
FY 2010 Sale Plan
Coos District

Portions of Sections 27, 28, 33 and 34
 T24S, R11W, W.M.
 Coos County, Oregon



1" = 1,000'
 Scale 1:12,000

Attachment C



Sale Area	Harvest Type	Net Acres
1	Clearcut	69

Coos District GIS
 08/11/2008

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