

Pre-Operations Report

Operation Name: Millicoma Lookout

County: Coos

Management Basin: 12

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	clearcut	37	33
2	clearcut	3	3
3	clearcut	25	22
Total		65	58

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

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 area is in close proximity to the Pacific Ocean, which has a dominant influence on the climate. The average annual rainfall is between 95-100 inches. Temperatures range from 20-95 degrees Fahrenheit throughout the year. This timber sale has an elevation of 720 to 1320 feet above sea level with slopes ranging from 25 percent to over 90 percent. The dominant aspect of the sale area is southwest with some east to west facing aspects. Soil types consist of 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 Douglas-fir ranging in age from 99 years to 142 years 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	1432	DF,RA	142	23	172	59	39	7
		1194	DF	122	24	253	78	63	16
		1195	DF,RA	117	22	157	58	42	12
		1196	DF,RA	127	20	179	77	40	1
		1278	DF,RA	99	17	215	131	76	22
1	Target ³	N/A	DF		21	3	3	10	58

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 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 174 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 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 to leave approximately 29 girdled trees in the sale area (about one tree per 2 acres harvested). Specific instructions for selecting and girdling trees will be provided by the Southern Oregon Area Biologist during the timber sale layout process.

Down Log Retention - At least 174 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:		3	

	Conifer	Hardwood	Total
Net Volume (MBF)	3034	40.0	3074
Stumpage Value (\$/MBF)	400	400	
Estimated Gross Value	\$ 1,213,600	\$16,000	\$ 1,229,600
		Project Costs:	\$85,000
		Estimated Net Value:	\$1,144,000

VI. HARVESTING AND ACCESS CONSIDERATONS:

All legal access to the sale is obtained A dirt spur road approximately 1500 feet in length will need to be constructed to access landings. A 1000 cubic yard stockpile project will be included in this sale. Final stockpile location will be determined during the timber sale preparation process. 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 spur (9300 road) is in good shape and will require maintenance. The segments of the 9360 road system (9367, 9368) along with new roads that are within/adjacent to the sale area will be examined to determine if pullback of sidecast is necessary. A new pipe is required on the lower portion of the 9360 road to replace one previously washed out. Unnumbered dirt spurs in the timber sale area will be waterbarred and blocked following completion of operations.

The sale area will be cable yarded up hill. About 5 acres in the north portion of the sale can be yarded with a ground based

system.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.3
Improve	0.0	0.0	0.4	0.0
Maintain	0.0	0.0	0.45	1.3
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 area is located within the West Fork Millicoma River watershed. One stream associated with these sale areas was surveyed to ODFW protocol in 1997 for fish presence (between A2 and A3). The remaining streams have not had fish presence surveys and will be surveyed in 2008. All drainages associated with the sale area were field surveyed during the 2007 summer low flow period to determine the stream channel extent and whether stream flow is perennial or seasonal. The sale has one small unknown perennial stream flowing between areas one and two and one small Type F perennial stream flowing between areas two and three. An unknown perennial lies to the south east of Area 3.

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 (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 conservancy acres. This basin requires a minimum of 2,484 acres of dispersal habitat and after this sale plan there will be 2923 acres of dispersal habitat retained which includes 159 acres of in-growth in 2006, 126 acres of in-growth in 2007 and 66 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 was surveyed according to protocol standards during the 2007 survey season, and no occupied

behavior was observed. It will receive second year surveys in 2008. Portions of the sale are within 330 feet of the Joe Buck Marbled Murrelet Management (MMMA) area and will require seasonal restrictions.

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 Type F streams.

Plants - The sale area was checked against district knowledge for any listed plant location. The sale area was also checked against the Oregon Natural Heritage Program (ONHP) database of known listed plant locations. No listed plant records were identified within the sale area.

Fragmentation – The sale area is located on the edge of a mature patch of timber with regeneration units adjacent to the east and in between areas 1 and 3 of the sale area. This sale area will not increase fragmentation.

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. With the possible exception of a small area on the north-east portion of Area 1, slopes do not meet criteria for classification as high landslide hazard locations (uniform slopes greater than 75% and/or planform concave slopes greater than 65%). The lower ½ of Area 2 and the adjacent slopes across the tributary in Area 3 appear to meet HLHL criteria. The probability of direct debris flow delivery of material into West Fork Millicoma is moderate, given the apparent distance from the sale unit boundary to the WF. There is a subtle swale on the SW facing slope above the WF, this may be capable of delivering a debris flow to the WF. To the extent that the sale boundary is posted above the slope break into the tributaries, debris flow delivery into the tributaries 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 Areas one, two and three 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.

XIII. OTHER RESOURCE CONSIDERATIONS:

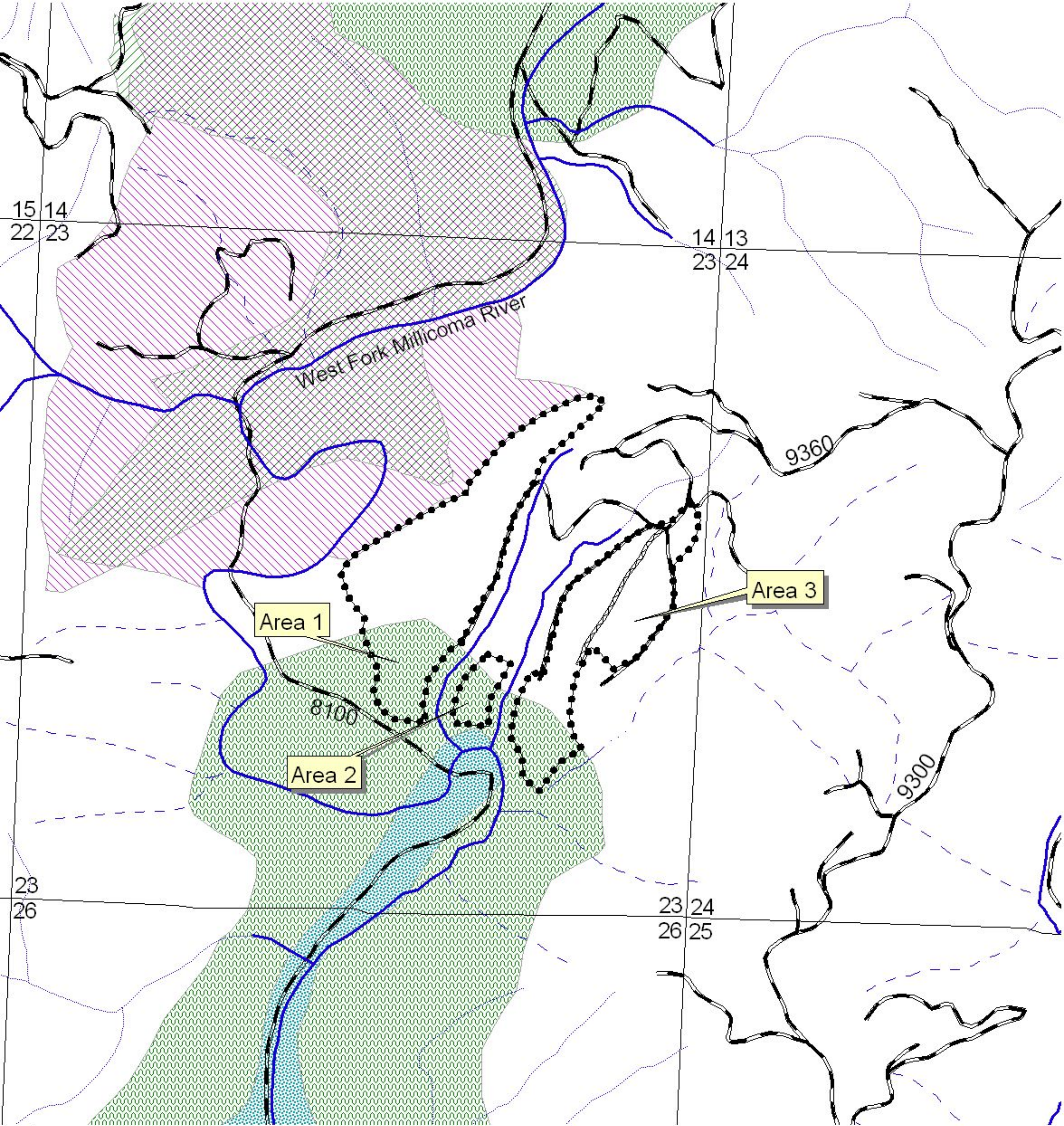
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

Area	Production	Scenic Production
1	25	8
2	.5	1.5
3	17	5

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



Area 1

Area 2

Area 3

8100

9360

9300

- Timber sale boundary
- ODF ownership boundary
- Streams**
- Type F
- Type N seasonal
- Type N perennial
- Unclassified stream
- Existing roads
- Road construction
- Section line
- Recreation use
- Scenic Production
- Habitat conservation area
- Marbled murelet management area



Millicoma Lookout
-- Key Resources --
FY 09 Sale Plan
Coos District
 Section 23, T23S, R11W, W.M
 Coos County, Oregon

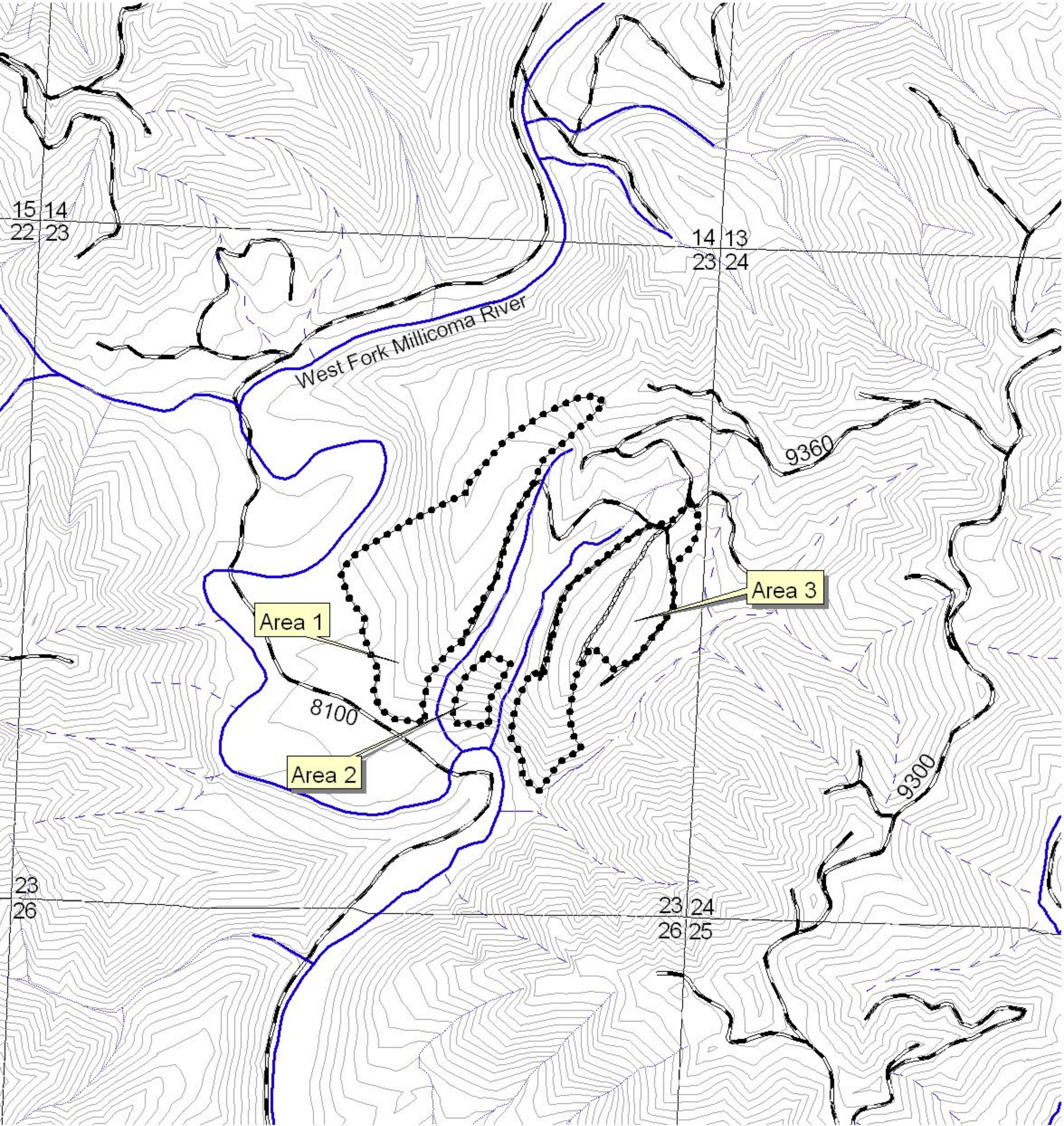
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Scale 1:12,000
1" = 1,000'

Sale Area	Harvest Type	Net Acres
1	clearcut	33
2	clearcut	3
3	clearcut	22
Total		58

Coos District GIS
08/13/2007

This product is for informational use
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for legal, or surveying purposes.



- Timber sale boundary
- 40 ft. contours
- ODF ownership boundary
- Streams**
- Type F
- Type N seasonal
- Type N perennial
- Unclassified stream
- Existing roads
- Road construction
- Section line



Millicoma Lookout
 -- Topography --
FY 09 Sale Plan
Coos District
 Section 23, T23S, R11W, W.M
 Coos County, Oregon

1000 0 1000 Feet

Scale 1:12,000
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