

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 138 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 23 topped 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 138 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: | | Alternate | |

| | 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: | \$50,000 |
| | | Estimated Net Value: | \$591,200 |

VI. HARVESTING AND ACCESS CONSIDERATONS:

All legal access to the sale is obtained and there is one property line on the north boundary of the sale area approximately 455 ft in length that should still be well marked from work by the engineering crew done for S.Marlow Ridge No.7 & 8. The 1115 road will need to be reopened for this sale. A short dirt spur road will need to be constructed to access 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 spur (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 waterbarred and blocked following completion of operations. 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 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 | 0.1 |
| 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 are unknown for fish use and will be 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 streamflow is perennial or seasonal. A small unknown perennial originates within the sale area and flows into a second small unknown perennial which forms the east boundary of the unit. The remaining streams in the sale area are classified as small seasonal unknown 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 1805 acres (36%) 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 3511 acres of dispersal habitat retained which includes 82 acres of in-growth in 2006 and 45 acres of in-growth in 2007. 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 survey season and will be surveyed again in 2008. 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 not within 100 feet of a Type F stream, this information will change after stream surveys are conducted.

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 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 three channels capable of channelized debris flow delivery to the small Type N which forms the east boundary of the unit. Airphoto examination shows a possible debris flow deposit in the WF Millicoma at the mouth of this basin. Large wood delivered to the WF will likely be mobilized during high peak flows.

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:

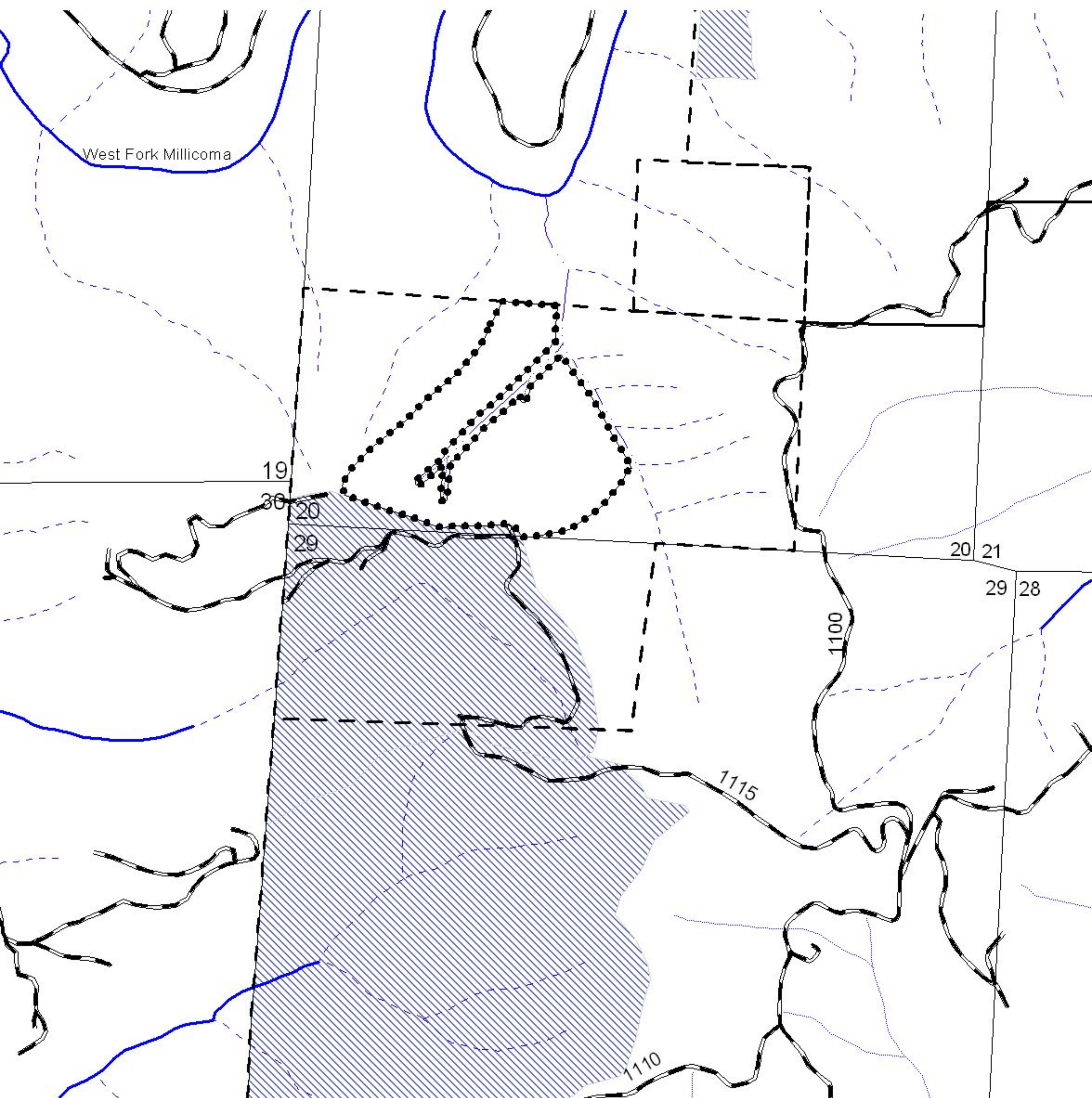
There are no other known resource considerations associated with this sale.

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.



**Millicoma Between
-- Topography --
FY 09 Sale Plan
Coos District**

Section 20, T24W, R11W, W.M.
Coos County, Oregon



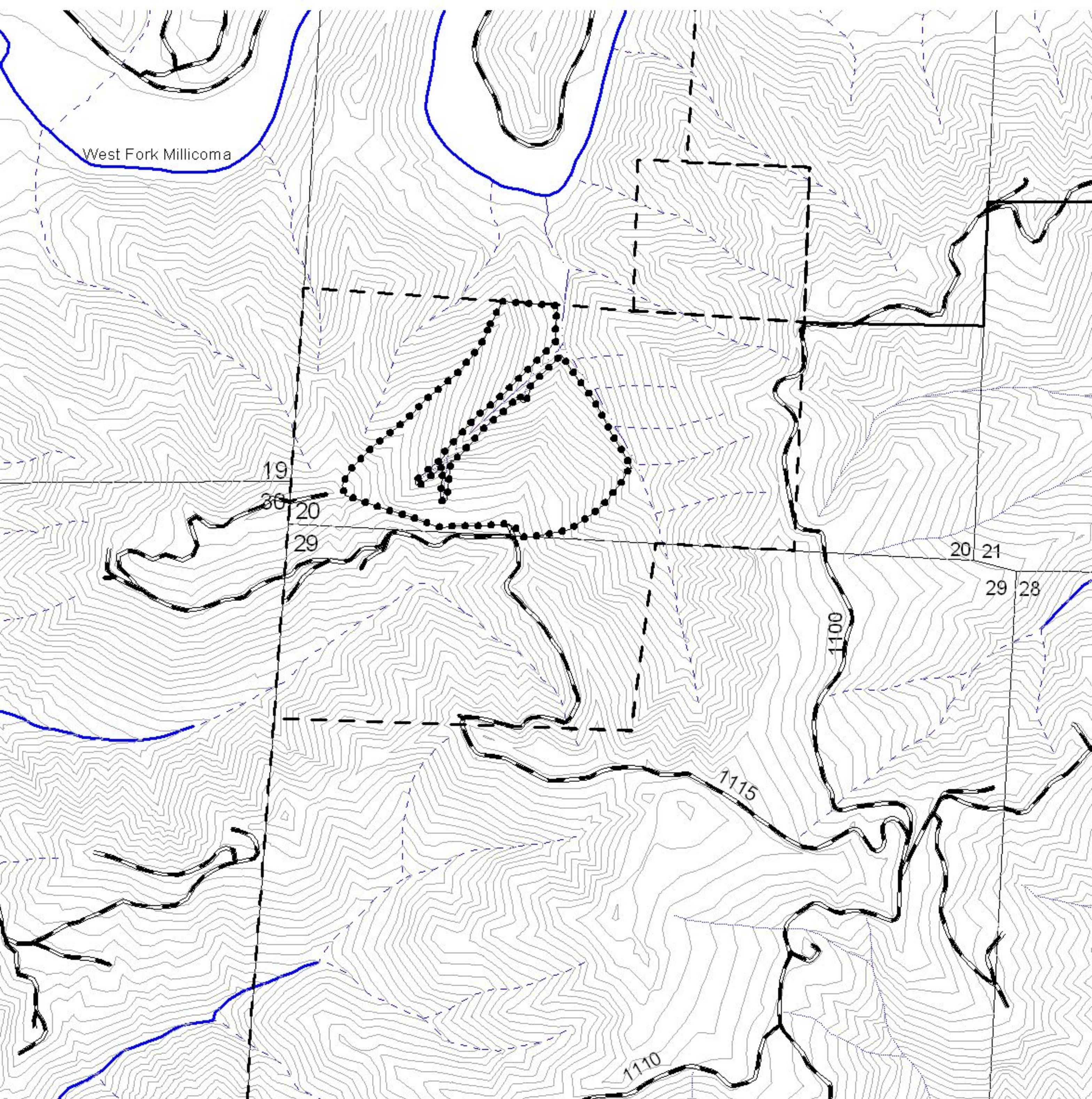
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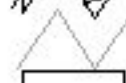




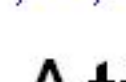

Scale 1:12,000
1"=1,000'

| Sale Area | Harvest Type | Net Acres |
|-----------|--------------|-----------|
| 1 | clearcut | 44 |

Coos District GIS
06/12/2007

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
-  40 ft. contours
-  Section line
- Streams**
-  Type F
-  Type N seasonal
-  Type N perennial
-  Unclassified

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Coos District**

Section 20, T24W, R11W, W.M.
Coos County, Oregon



1000 0 1000 Feet

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