

Pre-Operations Report

Operation Name: Loose Shoes

County: Coos

Management Basin: 9

Table 1. Operation Areas, Types and Acres

| Area | Type of Operation | Gross Acres | Net Acres |
|-------|-------------------|-------------|-----------|
| 1 | clearcut | 60 | 59 |
| 2 | clearcut | 29 | 28 |
| Total | clearcut | 119 | 87 |

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This timber sale is comprised of 2 areas totaling 87 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 9. 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 20-95 degrees Fahrenheit. This timber sale has an elevation of 460 to 1400 feet above sea level with slopes ranging from 27 percent to 89 percent. The dominant aspect of the sale area is south facing slopes with a quarter of the sale area being west facing slopes and a few north facing slopes. Soil types consist of Milbury-Bohannon Umpcoos association (50%-90% slope) and Preacher-Bohannon Loam (60% -90% slope), Preacher Bohannon Loams (30%-60% slope) And some Preacher Blachly association (30%-60% slope).

II. CURRENT STAND CONDITION:

The timber sale is second growth Douglas-fir that originated after the Coos Bay fire of 1868. It is composed of 37-98 year-old Douglas-fir with minor components of western hemlock, red alder, and bigleaf maple associated with stream buffers. Approximately 15 acres of 37-40 year old timber is within the timber sale, this was most likely a blowdown patch. Table 2 contains stocking, size and age information for all 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 | 1681 | DF | 40 | 20 | 157 | 76 | 36 | 6 |
| 1 | CC | 1682 | DF | 77 | 26 | 174 | 48 | 34 | 45 |
| 1 | CC | 1683 | DF,RA | 37 | 17 | 98 | 62 | 24 | 9 |
| 2 | CC | 1698 | DF,WH | 98 | 20 | 222 | 98 | 49 | 27 |
| 1 | Target ³ | N/A | DF | | 23 | 3 | 3 | 11 | 87 |

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 vegetation 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 261 trees (about 3 per acre) will be left in or adjacent to the timber sale area. Emphasis will be given to retention of conifer species other than Douglas-fir. Some of these trees will be topped 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 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 261 logs (3 logs per acre harvested) will be left in or adjacent to the timber sale area 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 |
| 3.39 | 96.61 | | X |
| Planned Quarter: | | 3 | |

| | Conifer | Hardwood | Total |
|-------------------------|------------|----------------------|------------|
| Net Volume (MBF) | 2,328 | 84 | 2,412 |
| Stumpage Value (\$/MBF) | 350 | 400 | |
| Estimated Gross Value | \$ 814,800 | \$ 33,600 | \$ 848,400 |
| | | Project Costs: | \$76,895 |
| | | Estimated Net Value: | \$771,505 |

VI. HARVESTING AND ACCESS CONSIDERATONS:

All legal access to the sale is obtained and there are two property lines needing to be surveyed. The two property lines run along the eastern and southern edges of Area 2. Main access to the timber sale will be from the 2000, a mainline that is in good shape and will only require maintenance. The 2060 and 2080 are both rocked collectors and will require maintenance and/or minor improvements. Approximately three tenths of a mile (0.3 mile) of road will need to be improved to access Area 1. Roads associated or adjacent to timber sale will be examined to determine if pullback of side cast is necessary. New landings and short access spurs may be constructed. Winter harvesting will require purchaser supplied rock. Final stockpile requirements will be determined during the timber sale preparation process. 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.

Table 5. Transportation Management Summary (Miles).

| Activity | Mainline | Collector | Rocked Spur | Dirt Spur |
|---------------------|----------|-----------|-------------|-----------|
| Construct | 0.0 | 0.0 | 0.0 | 0.0 |
| Improve/Reconstruct | 0.0 | 0.0 | 0.3 | 0.3 |
| Maintain | 0.0 | 0.0 | 2.5 | 0.0 |
| Close/Block | 0.0 | 0.0 | 0.0 | 0.3 |
| 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. The streams associated with this sale were surveyed to ODFW protocol for fish presence in 2008 and will be surveyed during the 2008 summer low flow period to determine the stream channel extent and whether stream flow is perennial or seasonal.

Currently there are three water diversion points in the vicinity of the sale area with 2 of the water diversion points in a stream associated with this sale located in Schumacher Creek and an unnamed creek in Area 2. The other point is in a stream not associated with the sale area.

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 9 - 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 1127 acres (18%) that will be continually retained in riparian management areas, habitat conservation areas and other conservancy acres. After this sale plan, there will be about 4180 acres of dispersal habitat retained which includes 90 acres of in-growth in 2008 and 26 acres of in-growth in 2009.

Marbled Murrelet – First year protocol surveys have been completed in 2008 and second year surveys will be completed in 2009. A portion of Area 2 is within 330 feet of existing Marbled Murrelet Management Area. 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 – The sale area is within 100 feet of Schumacher Creek, which is a medium Type F stream.

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

Fragmentation – The sale area is comprised of 2 areas with Area 1 being an isolated residual patch of timber. Area 2 is located on the edge of contiguous blocks of mature timber. The sale does not increase fragmentation of interior habitat.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This sale has had a map review as well as field review in selected portions. Additional examination will be made during the sale layout process to determine if other site specific protection measures will be necessary.

Area 1: There do not appear to be High Landslide Hazard Locations (HLHL) within this unit.

Area 2: This unit is currently undergoing field review. Modification may be necessary pending further review.

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.

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:

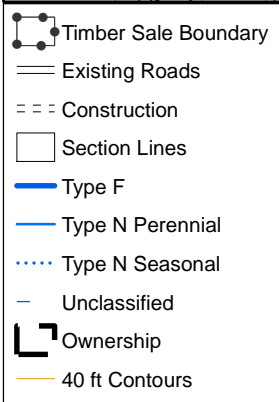
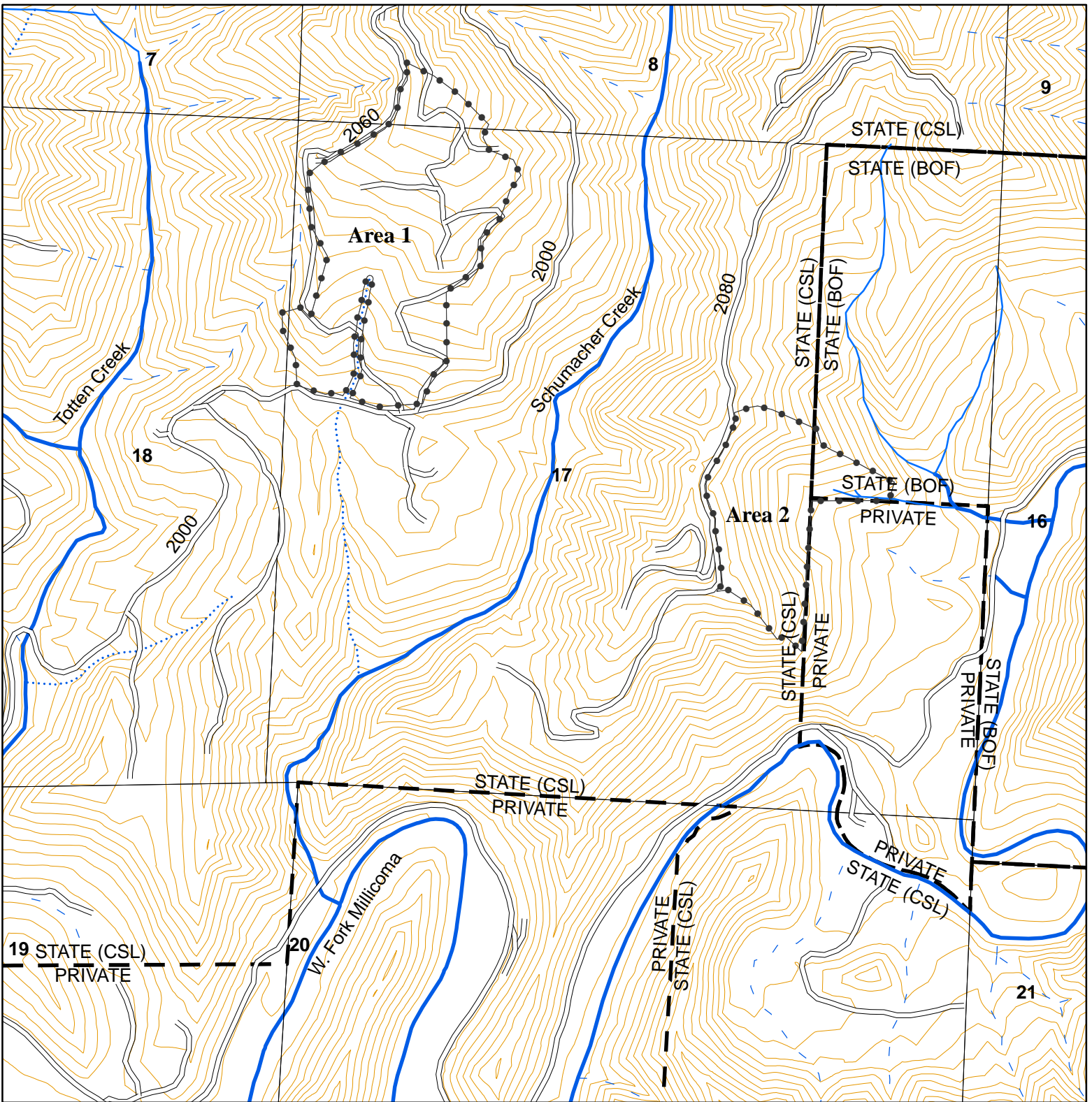
A private in-holding and two domestic water sources are within ¼ mile of the eastern edge of Area 2. One of the two domestic water sources is on a stream that is not directly associated with Area 2. The other water source is on a stream that is directly associated with Area 2. There is another domestic water source that is located on Schumacher creek downstream from Area1. Schumacher creek is a Type F stream, giving it a hundred foot buffer, therefore increasing the protection of the domestic water source. The Schumacher Bench progeny site is adjacent to Areas I and will require protection.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

| Area | Production |
|------|------------|
| 1 | 87 |

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



**Loose Shoes
-- Topography --
FY 2010 Sale Plan
Coos District**

Portions of Sections 8, 17 & 18
T24S, R11W, W.M
Coos County, Oregon

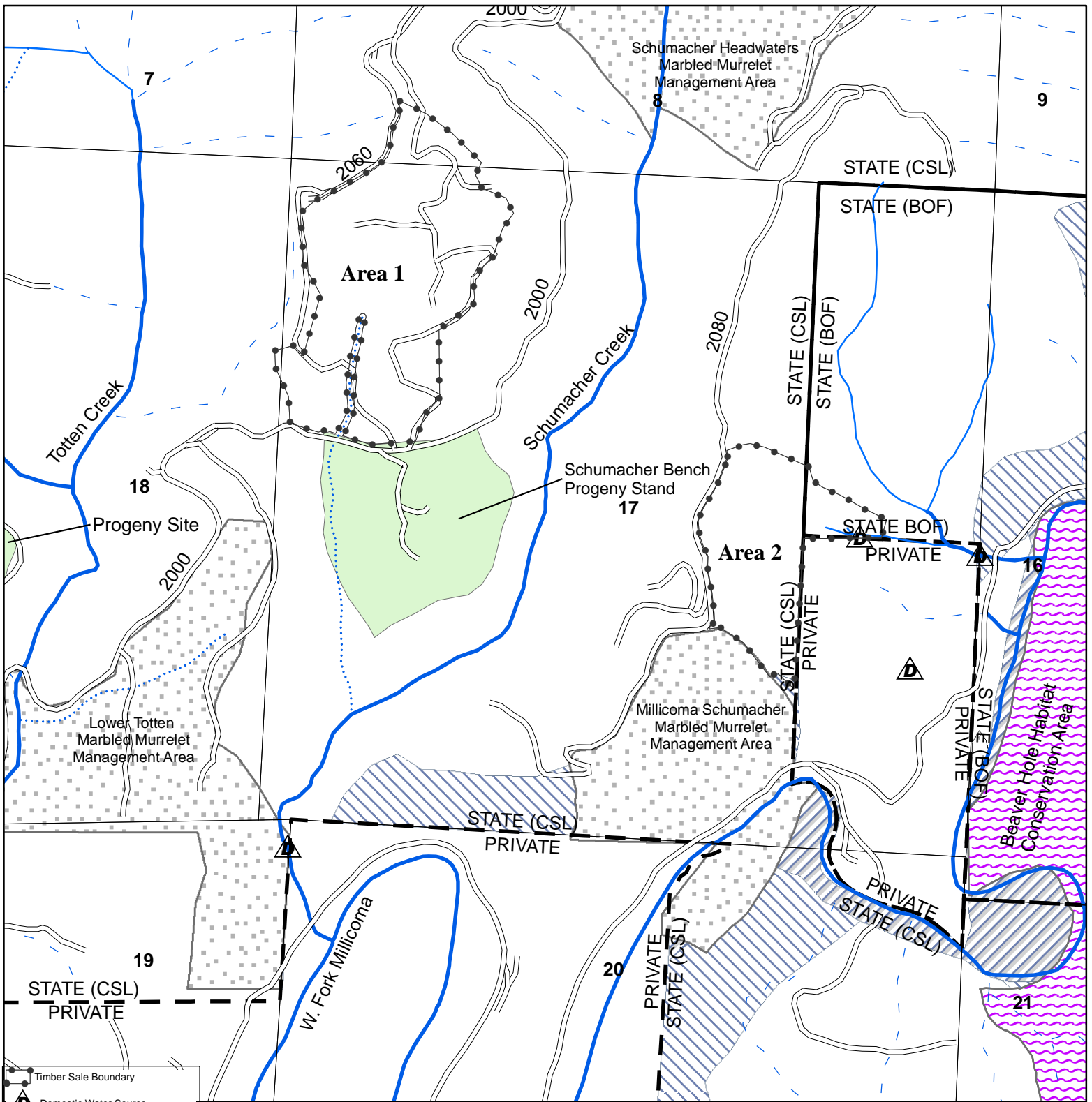


1" = 1,000"
Scale 1:12,000

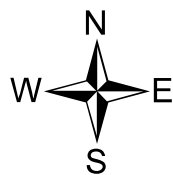
| Sale Area | Harvest Type | Net Acres |
|--------------|--------------|-----------|
| 1 | Clearcut | 59 |
| 2 | Clearcut | 28 |
| Total | | 87 |

Coos District GIS
06/24/2008

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



- Timber Sale Boundary
- Domestic Water Source
- Existing Roads
- Construction
- Section Lines
- Type F
- Type N Perennial
- Type N Seasonal
- Unclassified
- Progeny Stand
- Habitat Conservation Areas
- Marbled Murrelet Management Area
- Protective Conservancy
- Scenic Conservancy
- Scenic Production



Loose Shoes
--Key Resources--
FY 2010 Sale Plan
Coos District
 Portions of Sections 8, 17 & 18
 T24S, R11W, W.M
 Coos County, Oregon

1,000 500 0 1,000
 Feet
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 Scale 1:12,000

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