

Pre-Operations Report

Operation Name: Peg-leg Panther

County: Coos

Management Basin: 14

Table 1. Operation Areas, Types and Acres

| Area | Type of Operation | Gross Acres | Net Acres |
|------|-------------------|-------------|-----------|
| 1 | clearcut | 52 | 50 |

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a one-unit timber sale totaling 50 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 Basins 14. 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 1320 to 1920 feet above sea level with slopes ranging from 10 percent to over 90 percent. The dominant aspect of the sale area is east facing slopes with a minor component of the sale area being north and south facing slopes. Soil types consist of 99% Preacher-Bohannon Loam (30% - 90% slope) and 01% Milbury-Bohannon association (50%-80% slope).

II. CURRENT STAND CONDITION:

The timber sale is second growth Douglas-fir that originated after the Coos Bay fire of 1868, ranging in age from 115 to 117. The timber sale is primarily composed of 115 year-old Douglas-fir with a minor conifer component of western hemlock and western red cedar. Red alder and bigleaf maple are also a minor component of the timber sale area primarily 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 2008 | DBH | BA | TPA | RD | Acres ² |
|------|---------------------|-----------------------|---------|-------------|-----|-----|-----|----|--------------------|
| 1 | CC | 830 | DF | 117 | 22 | 250 | 92 | 66 | 2 |
| 2 | CC | 834 | DF | 115 | 27 | 230 | 117 | 53 | 48 |
| 1 | Target ³ | N/A | DF | N/A | 27 | 3 | 3 | 11 | 50 |

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 - At least 156 trees (about 3 per acre harvested) will be left in or adjacent to the timber sale. 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 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 26 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 156 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.

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 |
| 0% | 100% | | X |
| Planned Quarter: | | 2 | |

| | Conifer | Hardwood | Total |
|-------------------------|-------------|----------------------|-------------|
| Net Volume (MBF) | 2750 | 32 | 2782 |
| Stumpage Value (\$/MBF) | 400 | 500 | |
| Estimated Gross Value | \$1,100,000 | \$ 16,000 | \$1,116,000 |
| | | Project Costs: | \$62,331 |
| | | Estimated Net Value: | \$1,053,669 |

VI. HARVESTING AND ACCESS CONSIDERATONS:

All legal access to the sale is obtained, no property lines need to be surveyed. Access to the sale area is from the 9500 and 1800 roads. Winter harvesting will require purchaser supplied rock. The rocked collectors are in good shape and will require only maintenance or minor improvement. Final stockpile requirements will be determined during the timber sale preparation process. Two existing dirt spurs within the timber sale boundary will be examined during the preparation process for maintenance. If purchaser plans winter harvesting work, purchaser may be required to upgrade surfaces and drainages. Upgrades may include ditches, cross drains and rock. After log hauling each year, all spur roads will be water-barred and blocked.

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 | 0.3 |
| Maintain | 0.0 | 0.7 | 0.0 | 0.3 |
| 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 1997 and some had torrent debris flows. All drainages associated with the sale area will be surveyed during summer low flow period to determine the stream channel extent, and whether stream flow is perennial or seasonal. All streams associated with this timber sale drain into Panther Creek which is a medium type F perennial.

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 14 – There is a minimum acreage for NSO nesting, roosting, and foraging habitat in this basin above the required reserve acres. Basin 14 has a 135 year target harvest age and a requirement to retain 40% of the basin (2031 acres) in nesting roosting and foraging habitat. After this planned harvest, there will be 2071 acres retained. Fifty percent of the basin (2537 acres) must provide dispersal habitat. After this sale plan, there will be about 2732 acres of dispersal habitat retained which includes 150 acres of in-growth in 2009.

Marbled Murrelet – First year protocol surveys were completed in 2008 and second year surveys will be completed in 2009. The sale is within 330 feet of the Panther Headwaters Marbled Murrelet Management Area. Oregon Department of Forestry’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
COOS DISTRICT
Final 06/10/09

Peg-leg Panther FY 2010 AOP

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 sale will provide replenishment of the fish habitat log stockpile. The number of logs and dimensions will be identified with the Area Biologist during the sale preparation process.

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

Fragmentation – The sale area is on the edge of a mature block of timber and does 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. Approximately 1/2 of the sale area appears to meet 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 small sub-basins within the unit with debris flow deliverability to the unclassified type N stream bisecting the unit. Given the distance to the Type F stream (approximately 1/2 mile), debris flow delivery 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:

There are no scenic management constraints for this sale.

XIII. OTHER RESOURCE CONSIDERATIONS:

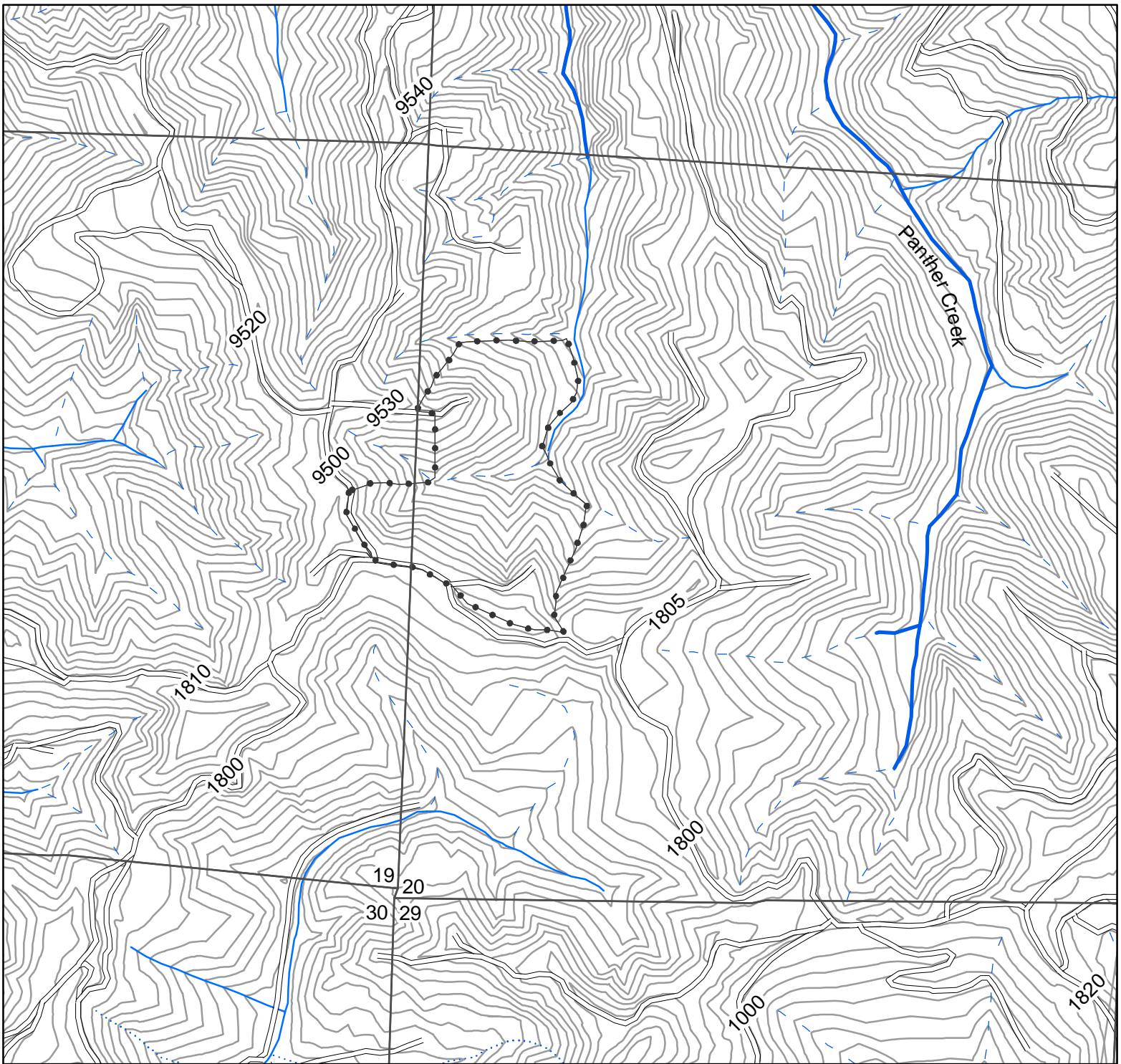
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

| Area | Production |
|------|------------|
| 1 | 50 |

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



**Peg Leg Panther
-- Topography --
FY 2010 Sale Plan
Coos District**

Portions of Sections 19 & 20
T23S, R10W, W.M.
Coos County, Oregon

| Sale Area | Harvest Type | Net Acres |
|-----------|--------------|-----------|
| 1 | clearcut | 50 |

- Sale Boundary
- Existing Roads
- 40 Foot Contours
- Streams**
- Type F
- Type N Perennial
- Type N Seasonal
- - Unclassified

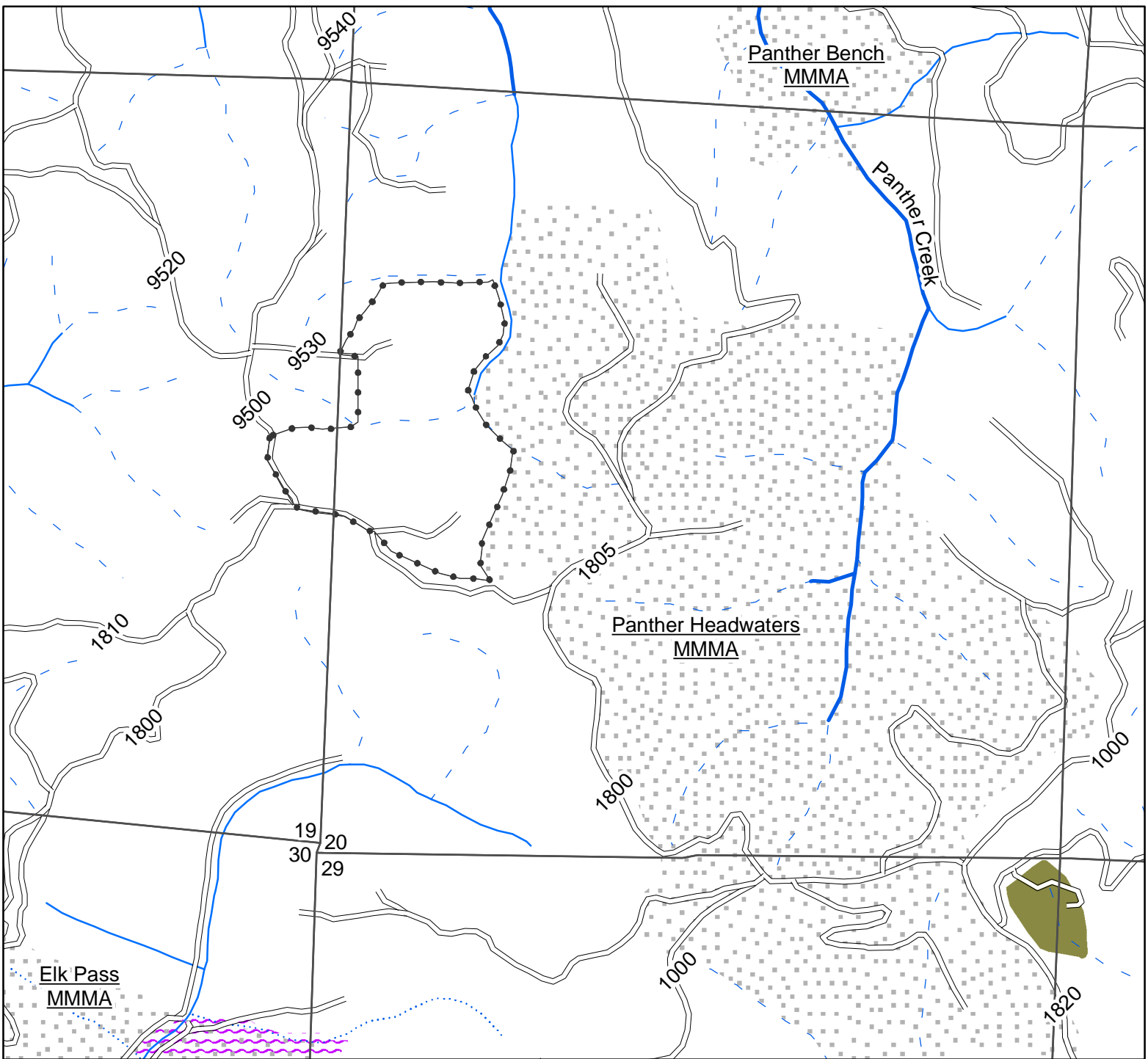


Scale 1 : 12,000



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- Sale Boundary
- Existing Roads
- Streams
- Type F
- Type N Perennial
- Type N Seasonal
- - - Unclassified
- █ Marbled Murrelet Management Area
- █ Habitat Conservation Area
- █ Service Use

Peg Leg Panther
 -- Key Resources --
FY 2010 Sale Plan
Coos District

Portions of Sections 19 & 20
 T23S, R10W, W.M.
 Coos County, Oregon

| Sale Area | Harvest Type | Net Acres |
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Feet
 Scale 1 : 12,000

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