

# Pre-Operations Report

**Operation Name: Big Salander**  
**County: Douglas**  
**Management Basin: 15**

**Table 1. Operation Areas, Types and Acres**

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	41	37
Total		41	37

## **I. PHYSICAL DESCRIPTION OF OPERATION AREA:**

This operation is a one-unit timber sale totaling 37 net acres. This timber sale is located on the western slope of the Coast Range in the Salander Creek watershed within Elliott State Forest Management Basin 15. This timber sale is in close proximity to the Pacific Ocean, which has a dominant influence on the climate. The average annual rainfall is between 80-85 inches. Temperatures range from 32-76 degrees throughout the year. This timber sale has an elevation of 1320 to 1680 feet above sea level with slopes ranging from 10 percent to 65 percent. The unit has southerly and easterly aspects and is made up of Millicoma, Flournoy, Jerden, and Ork soils. Slopes in this timber sale are generally gentle and benchy.

## **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 107 to 127 year-old Douglas-fir with a minor component of red alder and scattered understory western red cedar and western hemlock. Table 2 contains stocking, size and age information for the timber sale. There are few hard snags in the stand.

**Table 2. Stand Inventory Information**

Area	Prescription	Veg Code <sup>1</sup>	Species	Age in 2007	DBH	BA	TPA	RD	Acres <sup>2</sup>
1	CC	738	DF, WH	107	23	242	85	53	17
1	CC	739	DF, WH	127	22	229	91	51	20
	Target <sup>3</sup>	-	DF, WH		23	17	5	1	37

1. The source of stand inventory information is (ROOTS) from 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 RD) after harvesting has been completed.

### **III. DESIRED FUTURE CONDITION:**

This sale will be prepared under the wildlife emphasis option of the Elliott management plan, providing for additional green trees, down logs, and snag creation to create and maintain forest structure for wildlife habitat. 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 and may have a smaller component of other conifer species including hemlock and/or red cedar. Red alder 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)<sup>1</sup>**

### **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. This sale will be planned with the Wildlife Emphasis Option.

Site Preparation and Planting - Site preparation will be achieved by yarding disturbance and treating residual brush with herbicide prior to planting. This wildlife emphasis sale may have small locations of green tree retention not conducive to aerial herbicide treatment. Ground based application may be necessary. The site will be planted with conifer seedlings at approximately 500 trees per acre. Species mix is planned to be predominately Douglas-fir with some hemlock and/or western red cedar.

Green Tree Retention - At least 185 trees (about 5 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. Green trees may be clumped and/or scattered as allowed by topography and operational concerns and be determined with guidance from the Southern Oregon Area Biologist. 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 74 topped/girdled

trees (about two trees per acre 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 185 logs (5 logs per acre harvested) will be left within 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: No broadcast burning is planned within this unit due to the scattered green tree retention.

**V. ESTIMATED TIMBER AND REVENUE OUTPUTS:**

**Table 4. Timber and Revenue**

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
	100%		X
Planned Quarter:		Alternate	

	Conifer	Hardwood	Total
Net Volume (MBF)	2,146	5	2,151
Stumpage Value (\$/MBF)	400	400	
Estimated Gross Value	858,400	2,000	860,400
		Project Costs:	\$15,000
		Estimated Net Value:	\$845,400

**VI. HARVESTING AND ACCESS CONSIDERATONS:**

All legal access to the sale is obtained and there are no property lines needing to be surveyed. Access to the sale area is from the 7800 road, a rocked collector road. The 7800 road is in good shape and will require only maintenance or minor improvement. Winter harvesting will require purchaser supplied rock. Existing roads and landings in some locations will be improved to allow operations. Four landings and short access spurs will be constructed to facilitate ground based logging. These spur roads will be vacated upon completion of the sale. Final locations will be determined during the sale preparation process.

The sale area will be cable yarded uphill with portions of the sale accommodating ground-based equipment. Trees will be felled parallel or away from the residual trees and Riparian Management Areas.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.2
Improve	0.0	0.0	0.0	0.0
Maintain	0.0	0.0	0.5	0.2
Close/Block	0.0	0.0	0.0	0.0
Vacate	0.0	0.0	0.0	0.2

## **VII. AQUATIC RESOURCES AND WATER QUALITY:**

The sale area is located within the Salander Creek watershed, flowing directly into Loon Lake. Salander Creek is a large type F stream and was surveyed to ODFW protocol for fish presence in 2005. All drainages associated with the sale area were field surveyed during the 2005 summer low flow period to determine the stream channel extent and whether streamflow is perennial or seasonal. This timber sale has no stream channels. There are no known water rights within or downstream of the proposed operation.

## **VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:**

The 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 15 - Basin 15 has an 80 year target harvest age and a requirement to retain a minimum of 44% of the basin (2064 acres) in nesting, roosting, and foraging habitat. These reserve acres are preserved in habitat conservation areas, riparian management areas, and other reserve areas. 50% of the basin (2328 acres) must provide dispersal habitat. After this sale plan, there will be about 2708 acres of dispersal habitat retained which includes 87 acres of in-growth in 2008.

Marbled Murrelet - The sale areas were surveyed according to protocol standards during the 2005 and 2006 survey season. No Murrelets were found in the sale area and it has been released for sale. The survey expiration date is April 1, 2012. All timber must be felled by this date. The sale is adjacent to the South Umpcoos Marbled Murrelet Management Area. ODF'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.

Bald Eagle, Other - There are no bald eagles or other listed animal species within this sale.

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

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 - This unit bisects mature habitat. The mature habitat remains connected further to the south of the unit. 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 proposed plan revision), had high quality marbled murrelet habitat, or data indicating the potential presence of marbled murrelets.

#### **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. There do not appear to any well defined channels draining the unit. Most of the area is depicted on the topographic map as having less than 60% slopes. There is one small area of steep slopes immediately above the 7800 road, located in the eastern "arm" of the unit. Drainages below the road are well defined; airphotos show those drainages as having been buffered in a previous harvest, and therefore potential sources of large wood to the Salander Ck tributary in the event a debris flow initiates from this relatively gentle unit. Debris flow deposition is likely at the junction with the mainstem of Salander Creek. The 7800 road is located along the toe of the slope, however a moderate to large debris flow would likely travel over the road.

#### **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:**

In the northern part of the sale, 3 acres is scenic production land. Retention trees will be placed as to minimize scenic disturbance.

**XIII. OTHER RESOURCE CONSIDERATIONS:**

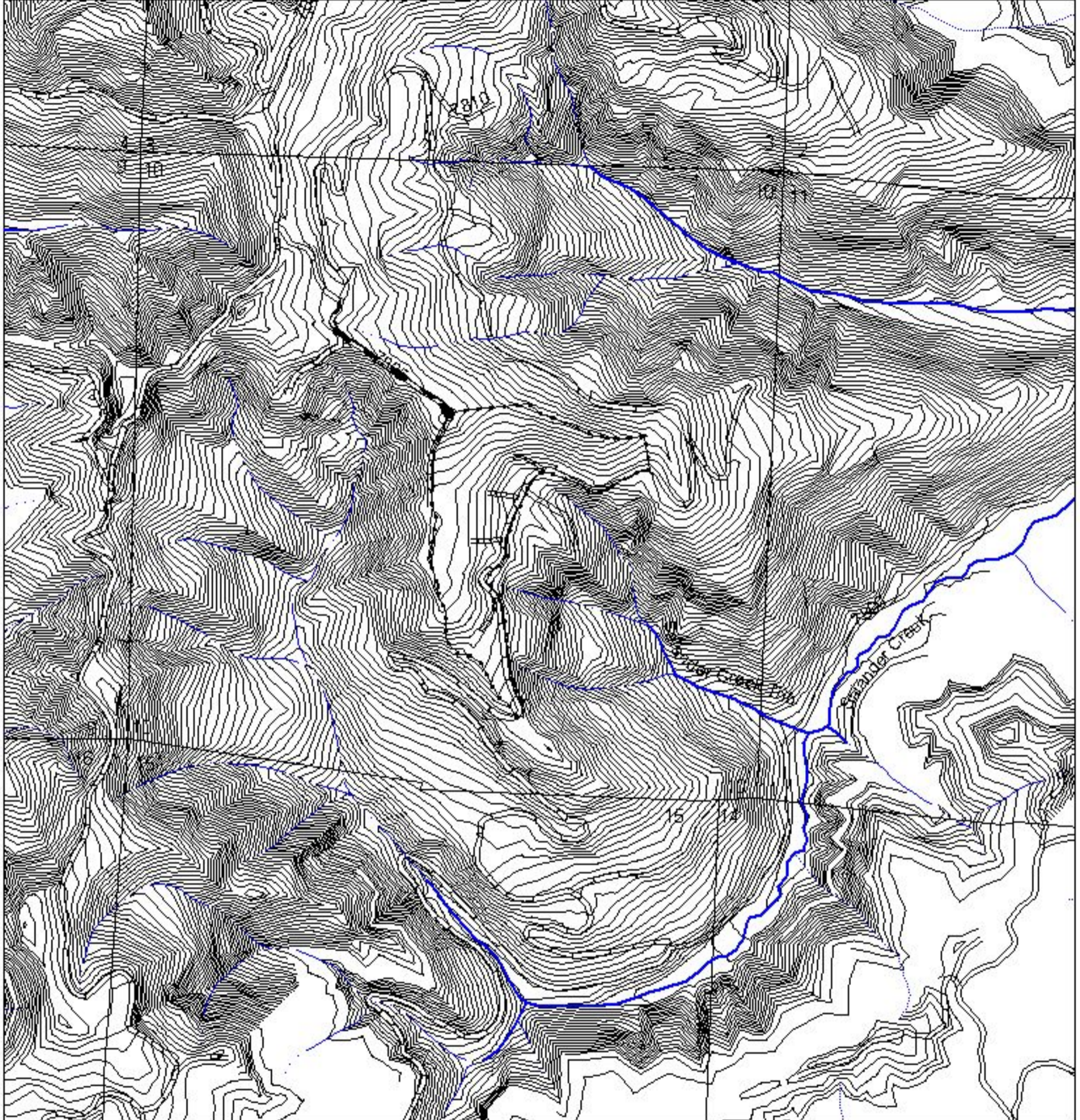
There are no other known resource considerations associated with this sale.

**XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:**

**Table 6. Land Use Classification Summary**

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

Area	Production	Scenic Production
1	34	3



-  Sale Boundary
-  Streams
-  Type F
-  Type N
-  Unclassified
-  Road Improvement
-  Road Construction
-  Existing Roads
-  20' Contour Lines
-  Section Lines

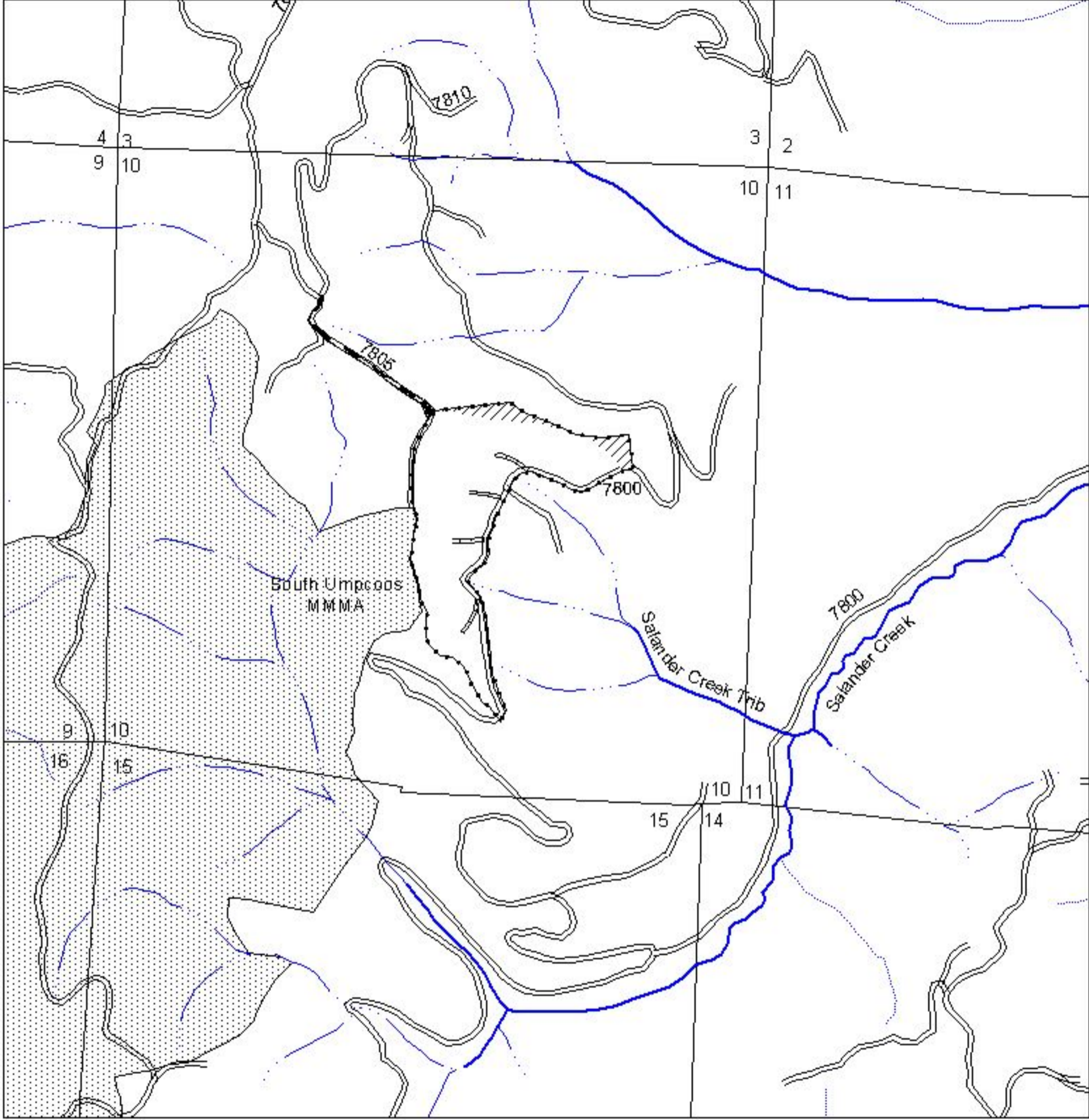
**BIG SALANDER TIMBER SALE**  
 -- TOPOGRAPHY --  
**FY 09 SALE PLAN**  
**COOS DISTRICT**

Approx 37 net acres

Portions of Section 10,  
 T23S, R10W, W.M.  
 Douglas County, Oregon



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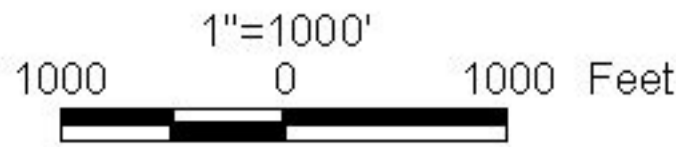


-  Sale Boundary
-  Scenic Production
- Streams**
-  Type F
-  Type N
-  Unclassified
-  Road Improvement
-  Road Construction
-  Existing Roads
-  Section Lines
-  MMA

**BIG SALANDER TIMBER SALE**  
 -- KEY RESOURCES --  
**FY 09 SALE PLAN**  
**COOS DISTRICT**  
 Portions of Section 10,  
 T23S, R10W, W.M.  
 Douglas County, Oregon



Approx. 37 net acres



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