

Pre-Operations Report

Operation Name: Umpcoos Ridge No 2

County: Douglas

Management Basin: 1

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	CC	80	79
Total		80	79

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a one unit timber sale totaling 79 net acres. This timber sale is located on the western slope of the Coast Range. The timber sale area is located within the Umpqua River watershed, above a medium perennial Type F tributary of Luder Creek within the Elliott State Forest Management Basin 1. 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 95-105 inches. Temperatures range from 32-76 degrees fahrenheit throughout the year. This timber sale has an elevation of 400 to 1100 feet above sea level with slopes ranging from 25 percent to over 85 percent. The timber sale area has a variety of aspects including north, south, and west facing slopes. The soil type is Remote Loam throughout.

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 approximately 107 year-old Douglas-fir with a minor component of red alder, red-cedar, and bigleaf maple. Table 2 contains stocking, size and age information for this timber sale. There are few hard snags in the stand.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age in 2005 ¹	QDBH ¹	BA ¹	TPA ¹	SDI ¹	Acres ²
1	CC	132	DF	105	24	153	49	44	79
	Target ³		DF, WH		26	11	3	1	79

1. The source of this current condition information is current Stand Level Inventory Program data.

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 SDI) 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 and may have a smaller component of other conifer species including western hemlock and western red-cedar. Red alder will also naturally regenerate in the stand. Green trees retained during this operation will provide for multi-story stand structures valuable for wildlife.

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 240 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 either be girdled or topped to recruit approximately 40 snags in the timber sale area (about one tree per 2 acres harvested). Specific instructions for girdling, and topping trees will be provided by the Southern Oregon Area Biologist during the timber sale layout process.

Down Log Retention - At least 240 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.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
0.0%	100%		X
Planned Quarter:		3	

	Conifer	Hardwood	Total
Net Volume (MBF)	3,182	25.6	3,208
Stumpage Value (\$/MBF)	450	365	
Estimated Gross Value	1,432,170	9,125	\$1,441,295
		Project Costs:	\$24,605
		Estimated Net Value:	\$1,416,690

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 timber sale area will be from the 7142 road, a rocked spur. The 7142 road is a rocked spur road which is in satisfactory condition and will require only maintenance. Winter harvesting will require purchaser supplied rock. New landings and short access spurs may be constructed in the timber sale area. Final locations will be determined during the timber sale preparation process. The segment of the 7142 rocked spur that is within/adjacent to the timber 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. Final rock stockpile needs will be determined during the timber sale preparation process.

The timber sale area will be cable yarded uphill. Full suspension will be required over stream channels and single end suspension where possible throughout the remainder of the sale area. Trees will be felled parallel or away from the residual trees and Riparian Management.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	.1
Improve	0.0	0.0	0.0	.1
Maintain	0.0	0.0	.7	0.0
Close/Block	0.0	0.0	0.0	.2
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The timber sale area is located within the Umpqua River watershed, above a medium perennial Type F tributary of Luder Creek. Streams associated with this sale were surveyed to ODFW protocol in order to verify fish presence. 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. The sale area has small Type N perennial and potential debris flow track seasonal reaches flowing through it, and is adjacent to a medium Type F perennial.

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 1 - There is a minimum acreage for NSO nesting, roosting, and foraging habitat in this basin above the required reserve acres. Basin 1 has a 160 year target harvest age and a requirement to retain a minimum of 50% of the basin (2576 acres) in nesting, roosting, and foraging habitat (NRF). Reserve acres in this basin include 1,684 acres (33%) that are being retained in riparian management areas, habitat conservation areas and other conservancy acres. After this planned harvest, there will be 2647 acres of NRF retained. 50% of this basin (2576 acres) must provide dispersal habitat. After this sale plan, there will be about 3924 acres of dispersal habitat retained which includes 75 acres of in-growth in 2006 and 75 acres of in-growth in 2007.

Marbled Murrelet - The sale area was surveyed according to protocol standards during the 2005 and 2006 survey seasons and will be surveyed an additional

year in 2007. 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 timber sale is 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 shares its boundary with three reforestation units. Although the 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 area has had a review by an ODF geo-tech specialist. A closer examination will be made during the sale layout process to determine if other site specific protection measures will be necessary. Most slopes in the unit meet criteria for classification as high landslide hazard locations (in the Tyee Core Area uniform slopes greater than 75% and/or planform concave slopes greater than 65%). Luder tributaries in the unit have deliverability to Type F Luder Creek and are sources of large wood.

To minimize yarding impacts on the slopes, single end suspension cable yarding will be required. Roads will be located on ridge-crests as much as possible and any steep sidehill portions will be constructed with full bench end-haul design and construction. Construction will be done during the dry season.

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:

The units are not within any scenic management areas. There are no scenic management constraints for this sale. No significant conflicts with users are anticipated.

XIII. OTHER RESOURCE CONSIDERATIONS:

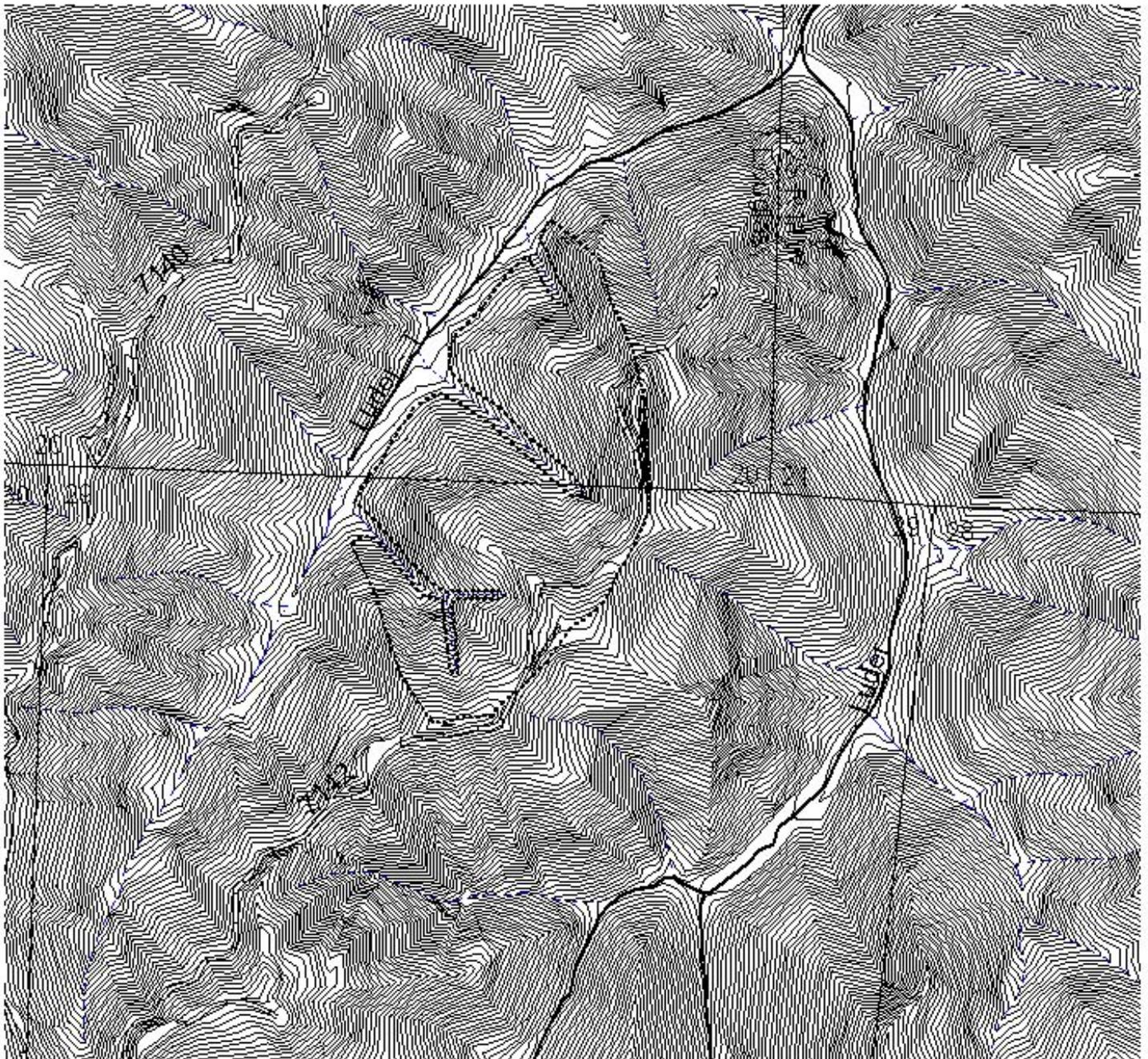
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

Area	Production
1	80

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



Umpcoos Ridge No.2 Timber Sale

--Topography--

FY 2008 Sale Plan
Coos District

Portions of Sections 20, 29
T22S, R10W, W.M.
Douglas County, Oregon

Sale Area	Harvest Type	Net Acres
1	clearcut	79

-  Timber Sale Boundary
-  Type F Streams
-  Type N Perennial Streams
-  Type N Seasonal Streams
-  Unknown Streams
-  Existing Roads
-  Road Improvement
-  Road Construction
-  20 Foot Contours
-  Section Lines



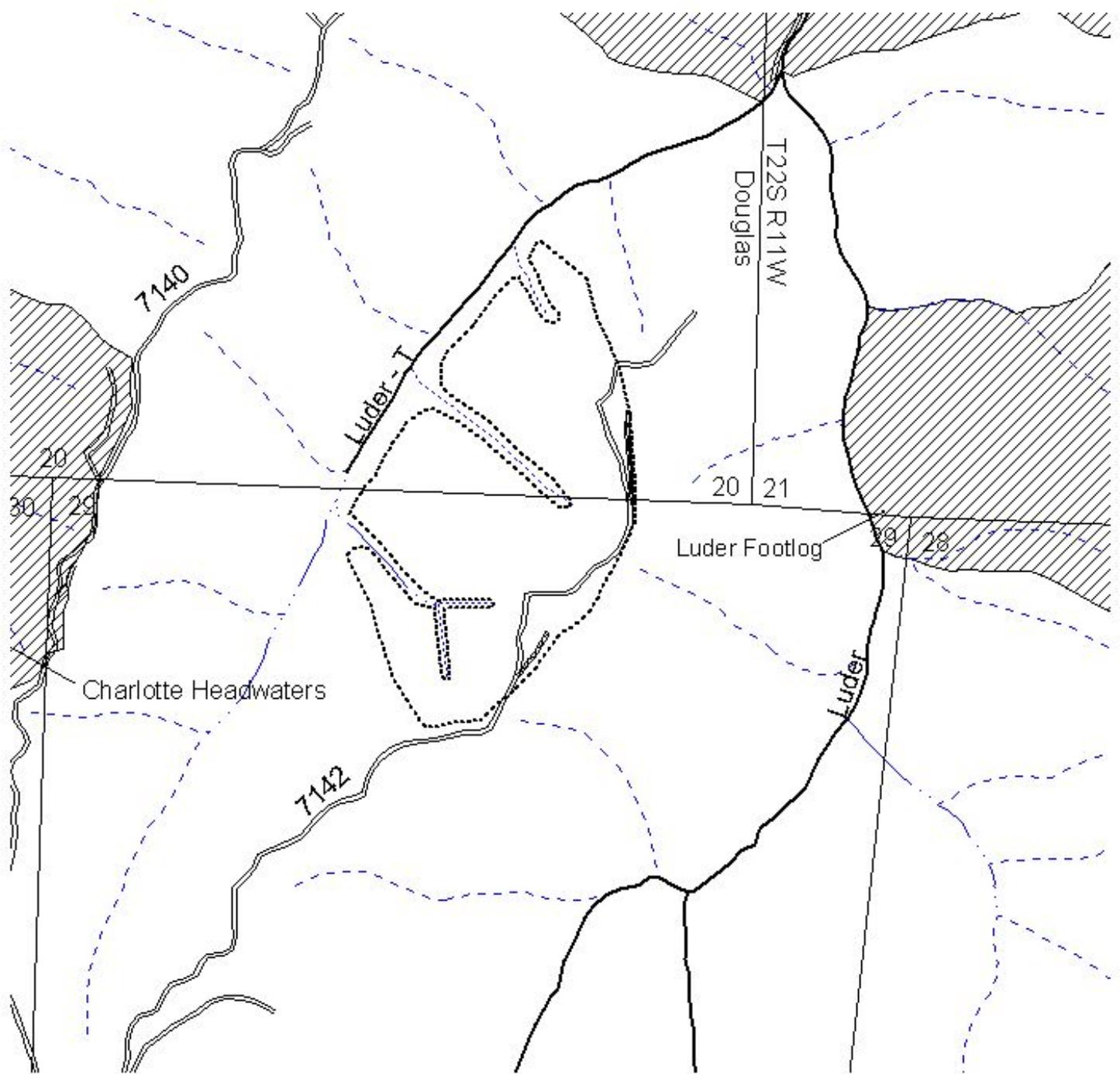
1000 0 1000 Feet



1" = 1000'

Coos District GIS
9/12/2006

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



Umpcoos Ridge No.2 Timber Sale

--Key Resources--

FY 08 Sale Plan Coos District

Sale Area	Harvest Type	Net Acres
1	clearcut	79

Portions of Sections 20, 29
T22S, R10W, W.M.
Douglas County, Oregon

- Timber Sale Boundary
- Type F Streams
- Type N Perennial Streams
- Type N Seasonal Streams
- Unclassified Streams
- Existing Roads
- Road Improvement
- Road Construction
- Section Lines
- Marbled Murrelet Management Area



1000 0 1000 Feet

1" = 1000'

Coos District GIS
9/12/2006

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