

Pre-Operations Report

Operation Name: Fishing Cougar
County: Coos/Douglas
Management Basins: 13, 14

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	36	35
2	Clearcut	10	10
3	Clearcut	12	11
4	Clearcut	15	15
Total		73	71

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a four unit timber sale totaling 71 net acres. This timber sale is located on the western slope of the Coast Range in the Cougar Creek and Fish Creek watersheds within Elliott State Forest Management Basins 13 and 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 95-105 inches. Temperatures range from 32-76 degrees fahrenheit throughout the year. This timber sale has an elevation of 1380 to 1920 feet above sea level with slopes ranging from 30 percent to over 70 percent. Area 1 has a predominantly westerly aspect with some southerly faces. Area 2 has northeast to southeast aspects. Area 3 has a southwest aspect. Area 4 is primarily north facing. Eocene sedimentary rocks underlie the area. Soil types consist of Preacher-Bohannon loams. Slopes in area I are relatively gentle, except for the areas adjacent to the Fish creek and its two tributaries. Areas II, III and IV have steep slopes and some "benchy" ground.

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 97 to 138 year-old Douglas-fir with a minor component of red alder and scattered understory hemlock trees, and approximately 4 acres of approximately 39 year-old Douglas-fir. Table 2 contains stocking, size and age information for all the areas in this timber sale.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age in 2006	DBH	BA	TPA	SDI	Acres ²
1	CC	799	DFWH	121	20	302	142	70	17
1	CC	800	DFWH	121	24	196	65	43	14
1	CC	801	DFWH	97	21	252	107	57	4
2	CC	801	DFWH	97	21	252	107	57	10
3	CC	803	DFWH	138	24	153	50	33	11
4	CC	802	DFWH	39	14	203	189	54	4
4	CC	801	DFWH	97	21	252	107	57	11
	Target ³		DF		22	8	3	1	71

1. The source of information is the current Stand Level Inventory Program data set.

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 STAND 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 213 trees (about 3 per acre) will be left in or adjacent to Areas 1, 2, 3, and 4. 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 leave approximately 36 girdled/topped trees in Areas 1, 2, 3, and 4 (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 213 logs (3 logs per acre harvested) will be left in or adjacent to Areas 1, 2, 3, and 4 in accordance with the Elliott State Forest Management Plan. Down Logs shall meet the following minimum specifications: 16 feet in length and 12 inches in diameter at the large end.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
	100%		X
Planned Quarter:		2	

	Conifer	Hardwood	Total
Net Volume (MBF)	3,905	4	3,909
Stumpage Value (\$/MBF)	450	365	
Estimated Gross Value	1,757,250	1,460	1,758,710
		Project Costs:	20,500
		Estimated Net Value:	1,738,210

VI. TRANSPORTATION PLANNING AND HARVESTING:

All legal access to the sale is obtained and there are no property lines needing to be surveyed. Access to Area 1 is from the 7420 road, a dirt spur. This dirt spur will require improvement and will be waterbarred and blocked at the completion of operations. Winter harvesting will require purchaser supplied rock. New landings and short access spurs may be constructed in or adjacent to Areas 1 and 3. Final locations will be determined during the sale preparation process. Access to Areas 2, 3, and 4 is from the 7000 road, a rocked collector spur that is in good condition and will require only maintenance. Final rock stockpile needs will be determined during the timber sale preparation process.

The sale areas will be cable yarded up hill. 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 to 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	0.15
Improve	0.0	0.0	0.0	0.0
Maintain	0.0	0.75	0.0	0.15
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 sale area is located within the Fish Creek and Cougar Creek watersheds, both medium size Type F tributaries to the West Fork Millicoma River. The

streams associated with these sales were surveyed to ODFW protocol for fish presence in 1997 and 2004. All drainages associated with the sale areas were field surveyed during the summer low flow period to determine the stream channel extent, and whether streamflow is perennial or seasonal. A portion of each sale area is adjacent to a medium Type F perennial stream. All areas have small perennial Type N streams flowing through or adjacent to them. The remaining streams in the sale areas are classified as small seasonal Type N.

There are no known water rights within or downstream of the proposed operation.

A written plan will be prepared in accordance with the Forest Practice Act for operations within 100 feet of a Type F stream.

VIII. 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 13 - There is no minimum acreage for NSO nesting, roosting, and foraging habitat in this basin above the required reserve acres. Reserve acres in this basin include 2192 acres (37%) that are being retained in riparian management areas, habitat conservation areas and other conservancy acres. Fifty percent of this basin (2984 acres) must provide dispersal habitat. After this sale plan, there will be about 3832 acres of dispersal habitat retained, including 72 acres of in-growth in 2006 and 278 acres of in-growth in 2007.

Basin 14 - There is a minimum acreage for NSO nesting, roosting, and foraging habitat in this basin above the required reserve acres. Reserve acres in this basin include 1,479 acres (29%) that will be continually retained in riparian management areas, habitat conservation areas and other conservancy acres. Basin 14 has a 135 year target harvest age and a requirement to retain a minimum of 40% of the basin (2030 acres) in nesting, roosting, and foraging habitat. After this planned harvest, there will be 2298 acres retained. 50% of this basin (2537 acres) must provide dispersal habitat. After this sale plan, there will be about 2879 acres of dispersal habitat retained which includes in-growth.

Marbled Murrelet - Two years of protocol surveys were completed. The sale areas were surveyed according to protocol standards during the 2003 and 2004 survey seasons. These surveys showed no occupancy. No portion of any of the sale units are 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 – All of the sale units are within 100 feet of Type F streams.

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

Fragmentation - The sale areas are isolated residual stands and do not increase fragmentation of interior habitat.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This sale area has had an office and initial field 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. Area I is drained by two small tributaries to Fish Creek. The westernmost tributary appears marginally capable of initiating and delivering a debris flow to Fish Creek. The eastern tributary appears unlikely to deliver a debris flow to the type F portion of Fish Creek. Areas II, III and IV do not appear to be drained any significant tributaries of Cougar Creek. The tributary dividing areas II and IV is a significant tributary; the headwaters of this sub-basin are not within the unit boundaries.

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.

XIII. OTHER RESOURCE CONSIDERATIONS:

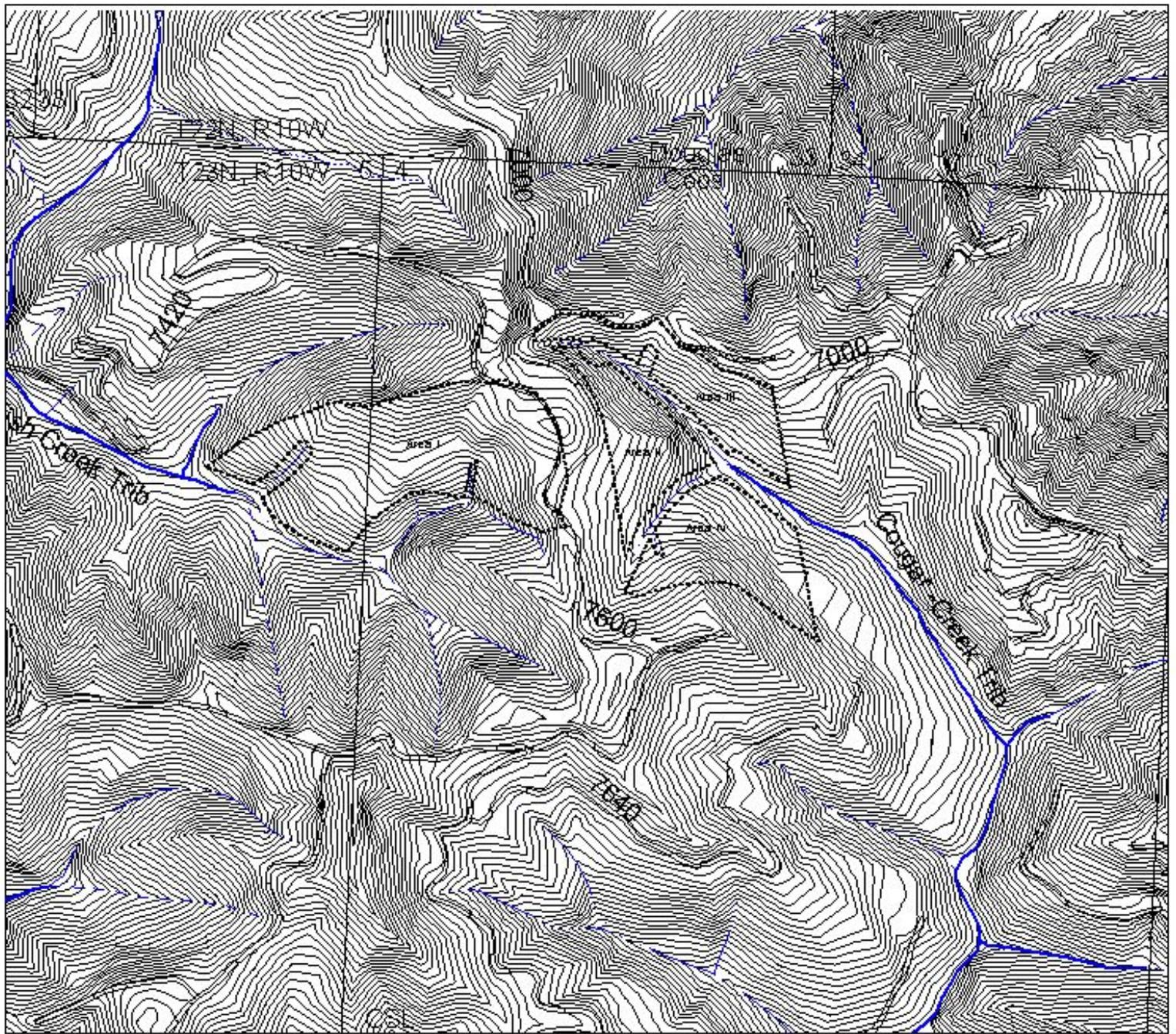
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

Area	Production
1	35
2	10
3	11
4	15

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



Fishing Cougar Timber Sale

--Topography--
 FY 08 Sale Plan
 Coos District

Sale Area	Harvest Type	Net Acres
1	clearcut	35
2	clearcut	10
3	clearcut	11
4	clearcut	15
Total		71

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

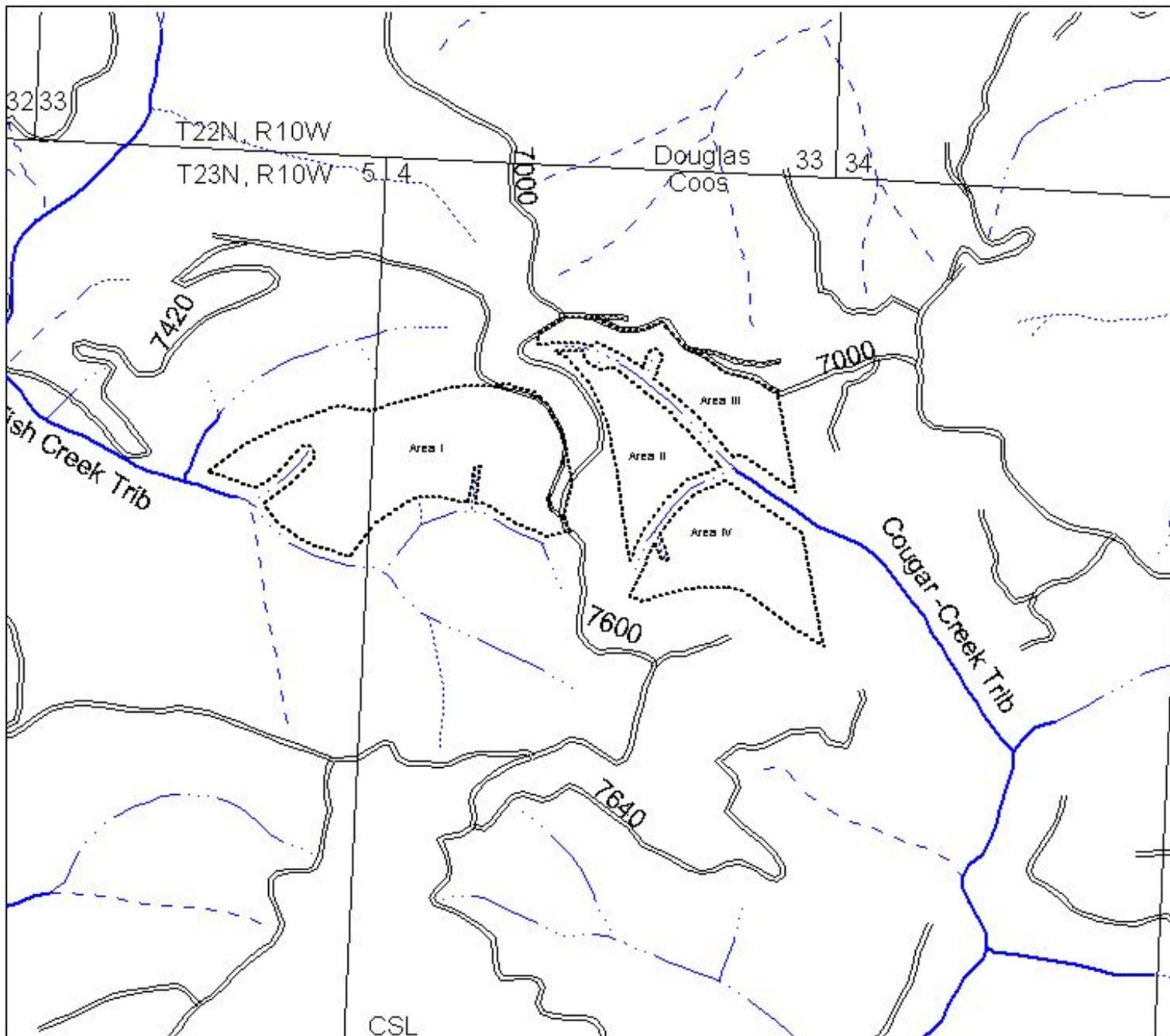
Portions of Section 4, 5
 T23N, R10W, W.M.
 Coos County, Oregon

1000 0 1000 Feet

Approximate Scale 1" = 1000'

Coos District GIS
 9/12/2006

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 suitable for legal or surveying purposes.



Fishing Cougar Timber Sale

- Timber Sale Boundary
- Type F Streams
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- Type N Seasonal streams
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--Key Resources--

FY 08 Sale Plan
Coos District

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