

Pre-Operations Report

Operation Name: Deer Headwaters

County: Douglas

Management Basin: 2, 3, 13

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	CC	54	48
Total		54	48

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a one-unit timber sale totaling 52 net acres. This timber sale is located on the western slope of the Coast Range. Area 1 is located in the Deer Creek watershed within the Elliott State Forest Management Basin 13. Two acres of the timber sale are in basin 2 between the 7000 road and ridgetop on the southeast corner of the sale area. This area was included in the sale due to blow down concerns. Minor acreages of the timber sale fall within the mapped boundaries of management basin 3. 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 fahrenheit throughout the year. This timber sale has an elevation of 1200 to 1640 feet above sea level with slopes ranging from 25 percent to 85 percent. The timber sale has North, South, and West facing slopes. Eocene age sedimentary rocks underlie the area. Soil types consist of 57% Preacher-Bohannon loams with 35% Preacher-Bohannon-Blachly and 8% Bohannon-Preacher-Damewood complex. Generally slopes in the unit are moderately steep.

II. CURRENT STAND CONDITION:

The timber sale is mostly second growth Douglas-fir that naturally regenerated after the Coos Bay fire of 1868. It is composed of 117 to 127 year-old Douglas-fir with a minor component of red alder and scattered understory hemlock. 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 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 2007	DBH	BA	TPA	RD	Acres ²
1	CC	447	DF,WH	117	21	315	126	71	16
1	CC	449	DF,RA	127	26	181	39	36	23
1	CC	563 ⁴	DF,WH	122	20	250	85	53	13
	Target ³		DF,WH, WRC		21	8	3	1	52

1. The Stand ID data source is (SLI) 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.
4. DBH, BA, TPA, and SDI was estimated from neighboring stands and field visits.

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 hemlock and/or 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 156 trees (about 3 per acre) will be left in or adjacent to the 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 topped to leave approximately 26 topped trees in Area 1 (about one tree per 2 acres harvested).

Down Log Retention – A minimum of 156 logs (3 logs per acre harvested) will be left in or adjacent to Area 1 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, if planting spots are too few to attain adequate stocking.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
0%	100%		X
Planned Quarter:		3	

	Conifer	Hardwood	Total
Net Volume (MBF)	2640	20	2,660
Stumpage Value (\$/MBF)	400	400	
Estimated Gross Value	1,056,000	8,000	1,064,000
		Project Costs:	64,625
		Estimated Net Value:	\$999,375

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 will be from the 7000 and 7060 roads. The 7000 road is a collector road which is in good shape and will require only maintenance. The 7060 needs improvement before hauling activity can begin. Winter harvesting will require purchaser supplied rock. New landings and short access spurs will need to be constructed. Final locations will be determined during the timber sale preparation process. A 1000 cubic yard stockpile project will be included in this sale. Final stockpile location will be determined during the timber sale preparation process.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.3
Improve	0.0	0.0	0.0	0.0
Maintain	0.0	0.5	0.0	0.3
Close/Block	0.0	0.0	0.0	0.6
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

This timber sale is located in the headwaters of the Deer Creek watershed, a large Type F tributary of the West Fork Millicoma River. Streams associated with this sale will be surveyed to ODFW protocol for fish presence in 2008. All drainages associated with the sale area were field surveyed during the 2007 summer low flow period to determine the stream channel extent and whether streamflow is perennial or seasonal. Six perennial stream reaches and one seasonal streams drain the timber harvest area.

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:

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 3890 acres of dispersal habitat retained, including 278 acres of in-growth in 2007 and 220 acres of in-growth in 2008. This sale is adjacent to the Deer Creek Habitat Conservation Area.

Basin 2 – Basin 2 has a minimum acreage for NSO nesting, roosting, and foraging habitat. Sixty six percent of this basin (4078 acres) must provide dispersal habitat. After this sale plan, there will be about 4126 acres retained.

Marbled Murrelet - The sale area was surveyed according to protocol standards during the 2007 survey season and will be surveyed again during the 2008

survey season. The sale is adjacent to the Charlotte 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 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 assumed Type F streams.

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

Fragmentation – This timber sale bisects contiguous timber that is adjacent to the timber sale on the northern and southern boundaries. This area was chosen because suitable substitutes were not available; alternative choices within this basin would violate FPA green-up or increase fragmentation of interior habitat. The sale is adjacent to regeneration timber to the west and east.

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. Generally, relatively small portions of the unit appear to meet criterion for classification high landslide hazard locations (uniform slopes greater than 75% and/or planform concave slopes greater than 65%). A small area of HLHL is located above the 6000 road, the site appears unchannelized and it is likely that a small to moderate debris slide would be captured by the road. There is an area of HLHL on the north aspect slope above the non-fish portion of Deer Creek, delivery of material is likely in this case to the non-fish reach, direct delivery via debris torrent to the fish bearing reach is unlikely. Delivery of large wood to the fish reach would likely occur during high flows only when floating material could be mobilized from a debris flow deposit.,

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:

No significant conflicts with users are anticipated.

XIII. OTHER RESOURCE CONSIDERATIONS:

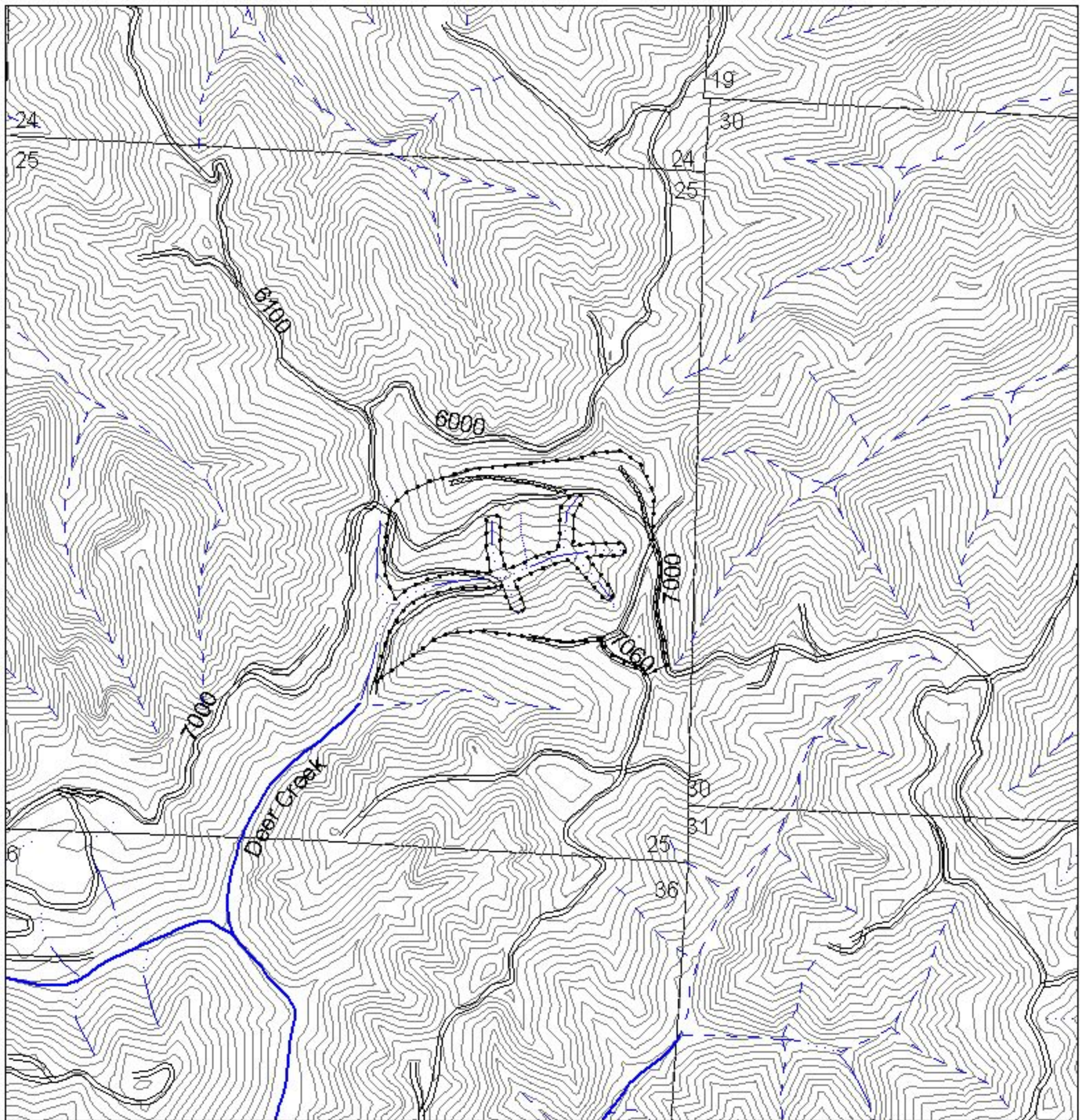
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

Area 1	Production 52
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This table summarizes the acres in each land use class within the operation.



-  Timber Sale Boundary
-  Existing Roads
-  New construction
-  Streams
-  Type F
-  Type N Perennial
-  Type N Seasonal
-  Unclassified
-  40' Contours
-  Section Lines



Deer Headwaters Timber Sale

-- Topography --
 FY 09 Sale Plan
 Coos District

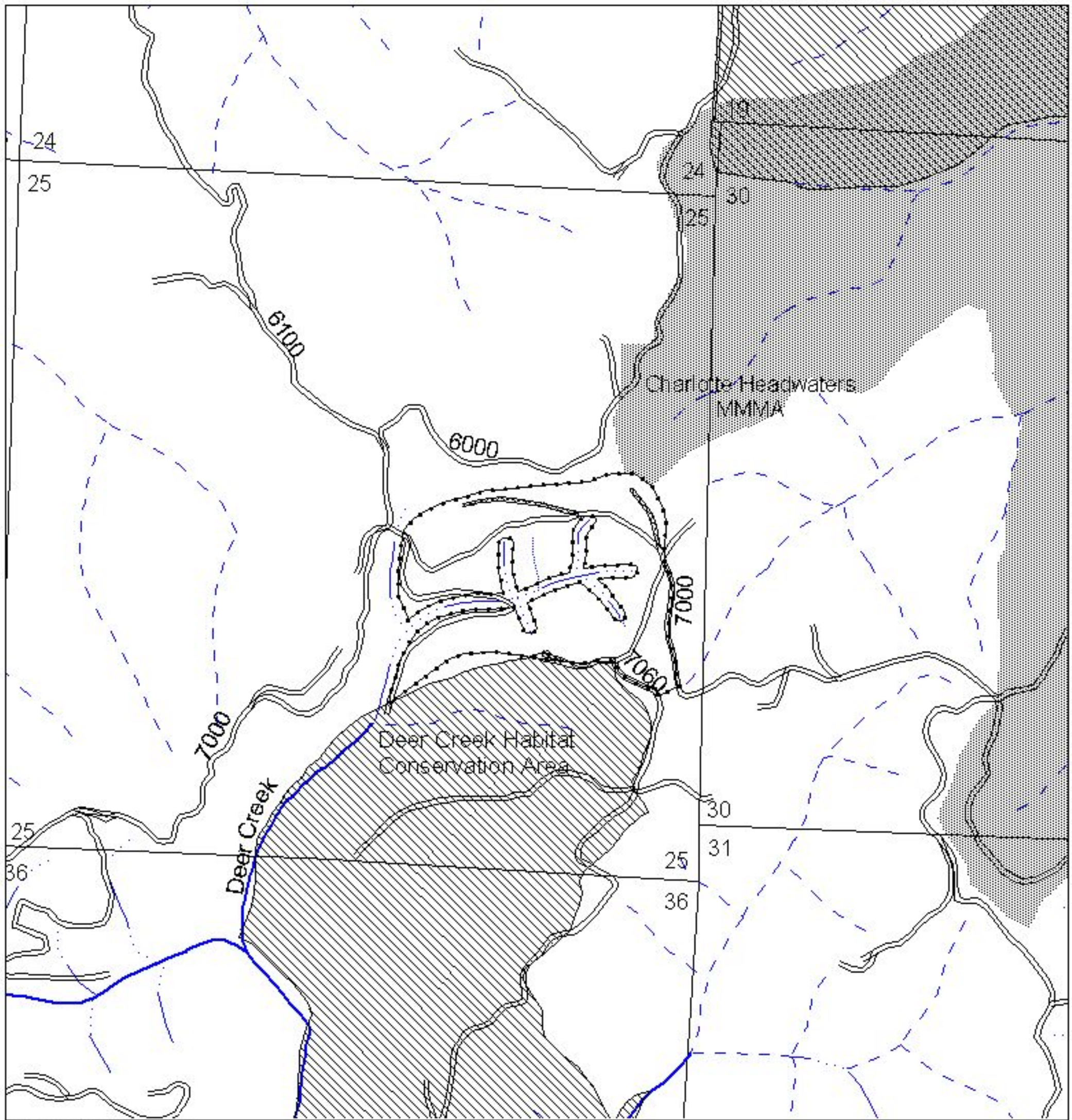
Portions of Section 25
 T22S, R11W, W.M.
 Douglas County, Oregon

1" = 1000'



Sale Area	Harvest Type	Net Acres
1	Clearcut	48
Total		48

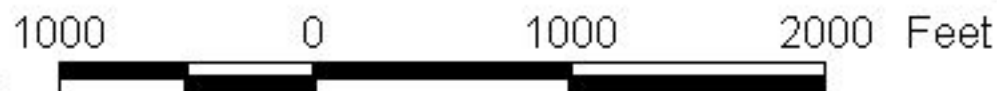
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- Timber Sale Area
- Existing Roads
- New construction
- Habitat Conservation Area
- Streams
- Type F
- Type N Perennial
- Type N Seasonal
- Unclassified
- Section Lines
- Marbled Murrelet Management Area



1" = 1000'



Deer Headwaters Timber Sale
 -- Key Resources --
 FY 09 Sale Plan
 Coos District

Portions of Section 25,
 T22S, R11W, W.M.
 Douglas County, Oregon

Sale Area	Harvest Type	Net Acres
1	Clearcut	48
Total		48

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