

Pre-Operations Report

Operation Name: 232 ROW

County: Klamath

Table 1. Operation Areas, Types and Acres

Area	Harvest Type	Gross Acres	Net Acres
1	Partial Cut	81	72
Total		81	72

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

Soil Types: The sale area consists primarily of the Hallet series soil. This is a deep, coarse textured soil developed from coarse pumice and volcanic ash. It is operable with ground based skidding equipment at any time of year.

Vegetation Zone

Stands Adjacent to Right-of-way: Mixed Conifer forest zone. Plant association – Mixed conifer/snowbrush-chinquapin (CWH1-11)

Slope, Aspect, and Topography:

In both stands, slopes range from 10 to 50%, while aspect is primarily southwest.

II. CURRENT STAND CONDITION:

Table 2. Stand Inventory Information.

Area	Prescription	Stand ID ¹	Species	DBH ³	BA ⁴	TPA ⁵	SDI ⁶	Acres ²
1	PC	Area 1	PP	20	42	96	80	81
			WF	20	61	320	138	
			SP	22	28	53	52	
			IC	14	4	4	6	
		Totals			135	473	276	

1 The source of stand inventory information is a combination of plots adjacent of the right-of-way from stands 144, 200 and 201 based on the 2001 & 2003 field inventory.

2 The acres are based on GIS and roads, stream buffers, reserve areas, etc are included in gross acreage.

3 The DBH represented is the average DBH of trees 8" and larger for volume and value computations.

4. BA – Basal Area per Acre

5. TPA – Trees per Acre

6. SDI – Stand Density Index

This sale is a right-of-way maintenance on the 232 road also known as old highway 232 or Sun Mountain road. A majority of the stands adjacent to the road are overstocked and contains many road hazard trees. Within this right-of-way (50' below the road and 150' above the road) contains a stand density index (SDI) of 277. These stands are overstocked for the Sugar and Ponderosa Pine component of this stand. Current guidelines in Sun Pass forest call for keeping

stands under SDI 270 in order to maintain stand health at levels to resist insect attacks.

The following summary shows the current condition for large trees in the sale area.

<u>Stand</u>	<u>TPA >20"</u>	<u>TPA >30"</u>
Area 1	10.0 (3.29 p. pine)	1.02

III. DESIRED FUTURE CONDITION/VISION:

A desired future condition for this right-of way is one that allows for two entries in approximately 20-40 years. All stands adjacent to road 232 for three miles north starting at the end of the pavement will have the following characteristics:

- A healthy uneven-aged stand consisting of ponderosa pine, sugar pine, Douglas fir, Incense cedar and white fir.
- Stand composition and structure that allows for future sustained periodic harvest entries at a 15 to 20 year interval.
- Wildlife trees, and down wood are present at desirable levels in both areas
- There are healthy younger cohorts of ponderosa pine, sugar pine, incense cedar, Douglas fir and white fir in the stands are scattered individually and in small clumps.
- Shrubs and forbs are maintained at desired levels to provide forage production.

IV. PROPOSED MANAGEMENT PRESCRIPTION:

The sale objective is to provide a defensible fuel break and to remove all hazard trees, brush and stumps that inhibit the proper maintenance of this high traffic road. Hazard trees for example, may include but not limited to the following conditions, visible butt rot, conks, dead or dying, leaning toward the road, etc. Another objective is that the treatment of this road will be completed as a single project to insure the consistency of results. Due to the fact that this is a mid-slope road that traverses the whole forest and has a high traffic volume a defensible fuel break is desirable. This prescription will also achieve the development of an uneven-aged stand dominated by ponderosa, sugar pine, Douglas fir, incense cedar and younger vigorous white fir. In this entry, White fir in all age and size classes will be significantly reduced. All species will be retained and will maintain any snags that do not pose a safety risk or operational constraint, such as short snags or leaning snags that won't reach the road if they fall.

The forest health objectives will be accomplished by application of the harvest prescription that includes reducing stand density and manipulating species composition. Past harvests both prior to and since state ownership along with fire exclusion has led to white fir dominance in this mixed conifer site.

The sale plan is intended to include the treatment of both sawlog size material and sub-sawlog size material. Designated trees 5" to 8" DBH will be required to be yarded to the landing as part of the project work. These trees will be chipped or utilized as poles if the market allows or the landing piles will be burned.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%		100%
Planned Quarter:		4th	
	Conifer	Hardwood	Total
Net Volume (MBF)	320	N/A	320
Stumpage Value (\$/MBF)	\$180.00	N/A	
Estimated Gross Value	\$57,600	N/A	\$57,600
		Project Costs:	\$20,474
		Estimated Net Value:	\$37,126

VI. HARVESTING AND ACCESS CONSIDERATIONS:

Existing roads and skid trails from previous sales are present on the right-of-way. There are no access issues. Haul roads are all on state owned land. Because of the gentle terrain and favorable soil characteristics, ground based logging equipment will be employed. A mechanical feller buncher will be required for harvesting of the smaller diameter timber and submerchantable material. This will minimize damage to reserved trees. Existing landings and skid trails shall be utilized when possible.

Traffic control and safety procedures will need to be put in place during active operations to insure public safety.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Dirt Spur
Construction	0.0	0.0	0.0
Improvement	0.0	0.0	0.0
Maintenance	3.3	0.0	0.0
Vacation	0.0	0.0	0.0

See AOP Summary Document for road use level definitions.

VII. AQUATIC RESOURCES AND WATER QUALITY:

None.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

A known bald eagle nest site is within 1 mile of the sale area and seasonal restrictions during the nesting season may be applied if needed.

The sale area has no known presence of 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 exist in the database for this sale area.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

None. The entire sale area is less than 50% slope.

X. RECREATION RESOURCES:

Hunting and mushroom picking are the only known recreational uses of the sale area.

XI. CULTURAL RESOURCES:

There are no known cultural resources in the sale area.

XII. SCENIC RESOURCES:

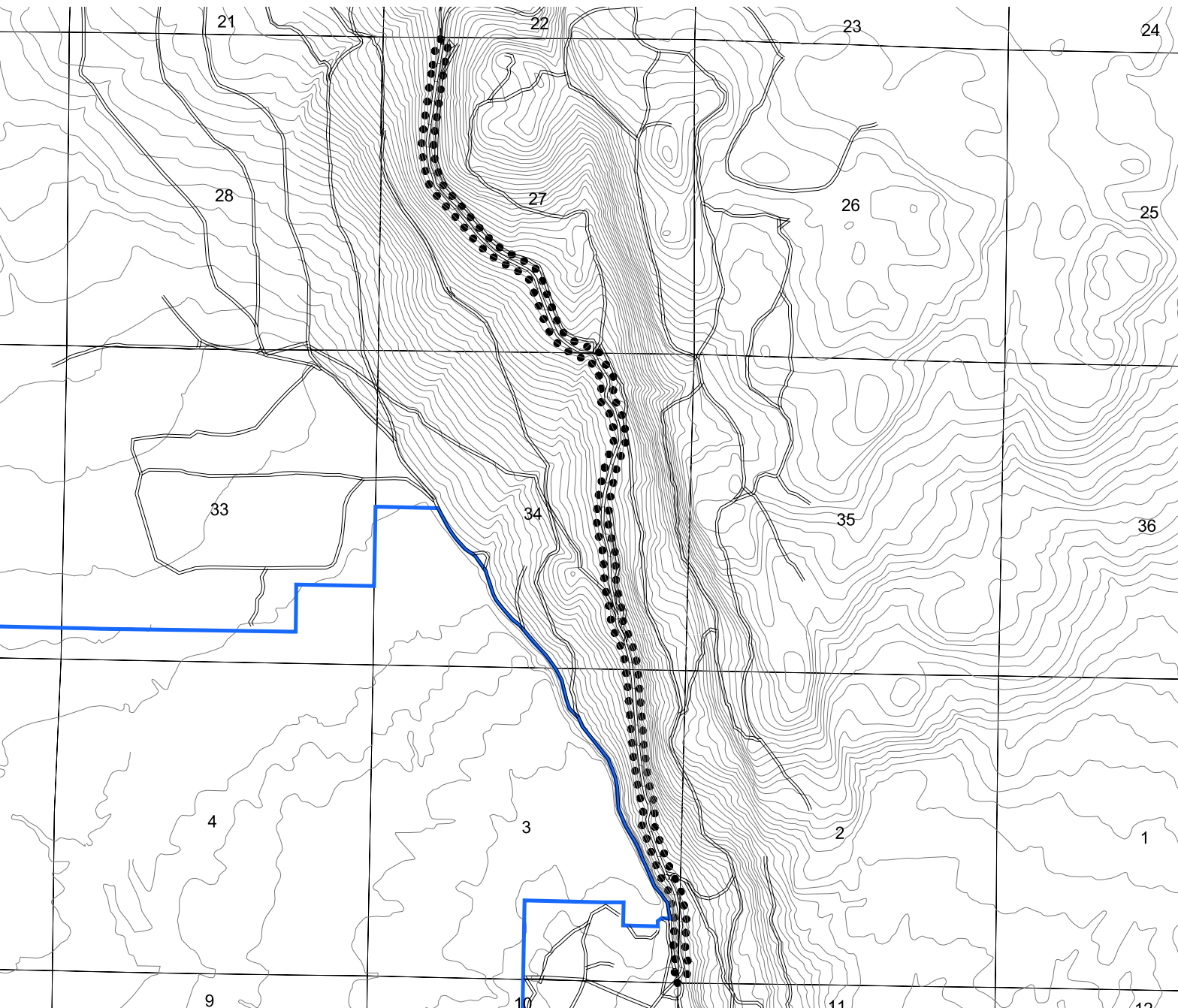
Recognizing this is a high use road the harvesting will enhance the scenic value of this area by increasing the visual opportunities on existing vistas.

XIII. OTHER RESOURCE CONSIDERATIONS:

None

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY

The sale area is classified as General Stewardship.



Legend

- Timber Sale Boundary
- Existing Roads
- Sun Pass Forest Boundary



FY 09
 Klamath-Lake District
 232 ROW Timber Sale
 T.32S.,R.7.5E.,Sec.27,34, W.M.
 T.33S.,R.7.5E.,Sec.2,3 W.M.
 Klamath County, Oregon
 Approximately 81 Acres