

# Pre-Operations Report

**Operation Name: Jackpot**  
**County: Klamath**

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

Area	Harvest Type	Gross Acres	Net Acres
1	Partial Cut	874	874
Total		874	874

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

Soil Types: The sale area consists of approximately 844 acres of Lapine Gravelly Loamy Coarse Sand 10-35 percent. This consists of deep, excessively drained soils. It is operable with ground based equipment at any time of the year.

About 30 acres consists of Steiger Loamy Coarse Sand 1-15 percent. This consists of very deep, somewhat excessively drained soils. It is operable with ground based equipment at any time of the year.

Vegetation Zone: Stand 137: Mixed Conifer/snowbrush-chinkapin (CWH1-11).  
Stands 138 and 144: Mixed Conifer/snowbrush-sedge (CWS1-15).

Slope, Aspect, and Topography: Slope ranges from 1 to 35 percent. Aspect for the sale area is southwest.

## **II. CURRENT STAND CONDITION:**

Both stands 137 and 138 are overstocked with SDI's of 393/302 respectively. Current guidelines in Sun Pass call for keeping stands under SDI 270 in order to maintain the stand health at levels to resist insect attacks. The age structure ranges from seedlings to overmature trees in all species. Approximately 26 acres of stand 137 contains Armillaria root disease.

A portion of 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 (approximately 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.

**Table 2. Stand Inventory Information**

Area	Prescription	Stand ID <sup>1</sup>	Species	DBH <sup>3</sup>	BA	TPA <sup>4</sup>	SDI	Acres <sup>2</sup>
1	PC	137	IC	12	11	57	32	88
			LP	9	5	41	18	
			PP	12	97	175	175	
			SP	16	28	88	74	
			WF	12	32	167	94	
1	PC	138	IC	3	1	28	4	286
			LP	15	1	13	4	
			PP	15	89	160	160	
			SP	17	35	72	72	
			WF	17	19	187	62	
1	PC	144	IC	10	5	46	20	442
			PP	15	72	163	138	
			SP	18	19	58	49	
			WF	18	51	194	136	
1	PC	MISC	PP	20	42	96	80	58
			WF	20	61	320	138	
			SP	22	28	53	52	
			IC	14	4	4	6	

<sup>1</sup>The source of stand inventory information is SLI from 2003.

<sup>2</sup>The acres are based on GIS and include roads, streams buffers, reserve areas, etc.

<sup>3</sup> Average DBH are trees greater than 8 inches.

<sup>4</sup> TPA includes all trees within stand to record and accurate SDI.

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

At the next entry, in 15 to 25 years, all three stands will have the following characteristics:

- A healthy all aged, mixed species stand.
- Stand composition and structure that allows periodic harvest entries at a 15 to 25 year interval.
- There are healthy younger cohorts of ponderosa pine, sugar pine, lodge pole pine, incense cedar and white fir scattered throughout the stand arranged individually and in small clumps.
- Fuels are arranged and at acceptable levels to reduce the adverse impacts of wildfires.
- Snags, down wood, and vegetation cover are present at desirable levels to provide suitable wildlife habitat.
- Shrubs and forbs are maintained at desired levels to provide forage production.

#### **IV. PROPOSED MANAGEMENT PRESCRIPTION:**

The sale objective is to develop and maintain all aged stands dominated by ponderosa pine. Other tree species (sugar pine, white fir and incense cedar) will be retained for biodiversity and market diversity.

The forest health objectives will be accomplished by reducing stand density and species composition manipulation. Silvicultural manipulation of the stand will include group selection and single tree selection generally as a thin from below favoring ponderosa pine. Group selections will focus on: 1. Armillaria root rot pockets (primarily stand 137), 2. white fir clumps, and 3. ponderosa pine clumps infected with dwarf mistletoe. Group selections will total around 80 to 100 acres, with groups ranging in size from ½ to 5 acres in size. These group selections will involve older, decadent, diseased, dying trees, as well as those trees that pose a hazard to road 232. Group selections will primarily be planted with ponderosa pine and possibly sugar pine, incense cedar and Douglas-fir.

Most of the existing snags and high defect trees will be retained for wildlife habitat unless they impede with the safety of the logging operation. Existing large downed wood, long butts from the logging operation and cull logs will be kept in place or skidded from the landing and scattered on the sale area. Where possible, live trees will be left adjacent to snags. This will provide shade to enhance adequate moisture content more suitable for orthopods.

The objective for the portion of the sale along the 232 road 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 timber in this stand. 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 if not.

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

**Table 3. Timber and Revenue**

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%		100%
Planned Quarter:		4	

	Conifer	Hardwood	Total
Net Volume (MBF)	4914	0	
Stumpage Value (\$/MBF)	\$125	0	
Estimated Gross Value	\$614,250		\$614,250
		Project Costs:	\$70,744
		Estimated Net Value:	\$543,506

**VI. HARVESTING AND ACCESS CONSIDERATIONS:**

Existing roads and skid trails from the previous sale are present on the sale area. There are no access issues. Haul roads are all on state owned land. Because of the relatively gentle terrain on most of the sale area, 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 result in minimal damage to reserved trees. Where possible, existing landings and skid trails shall be utilized.

**Table 5. Transportation Management Summary (Miles)**

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0	0
Improve	0	5.2	0	5.1
Close/Block	0	0	0	5.1
Vacate	0	0	0	0

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

The sale is adjacent to private property that contains the head of the Wood River. A road separates the sale area from the private property. All harvest activities will occur

above and on the opposite side of the road from the head of the river. This distance will preclude any damage to the aquatic system.

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

The sale area has no known presence of any listed plants. The sale was checked against the Oregon Natural Heritage Program (OHNP) database of known listed plant locations. No listed plant records exist in the database for this sale area.

Bald Eagles have nested on both sides of Sun Mountain Road in the past. This road is near the proposed haul route for this sale. Prior to the sale commencing hauling, the area will need to be inspected to see if the eagles are present. If they are present, an alternate haul route will be utilized, or hauling will be suspended during the critical period.

Goshawk surveys will be conducted in portions of the sale area during the life of the contract based on consultation with Salem staff.

Approximately ten percent of the area will be left untouched or lightly managed as islands for big game.

**SLOPE STABILITY AND GEOTECHNICAL ISSUES:**

None. The entire sale area is less than 35 percent slope.

**X. RECREATION RESOURCES:**

This area is used for fall hunting. It is also adjacent to Kimball State Park. ODF will cooperate with local staff of Oregon State Parks prior to and during the sale.

**XI. CULTURAL RESOURCES:**

Cultural surveys were completed over most of this sale area by the State Museum of Anthropology at University of Oregon during 2001-2002. There are no known cultural resources located in this sale area.

**XII. SCENIC RESOURCES:**

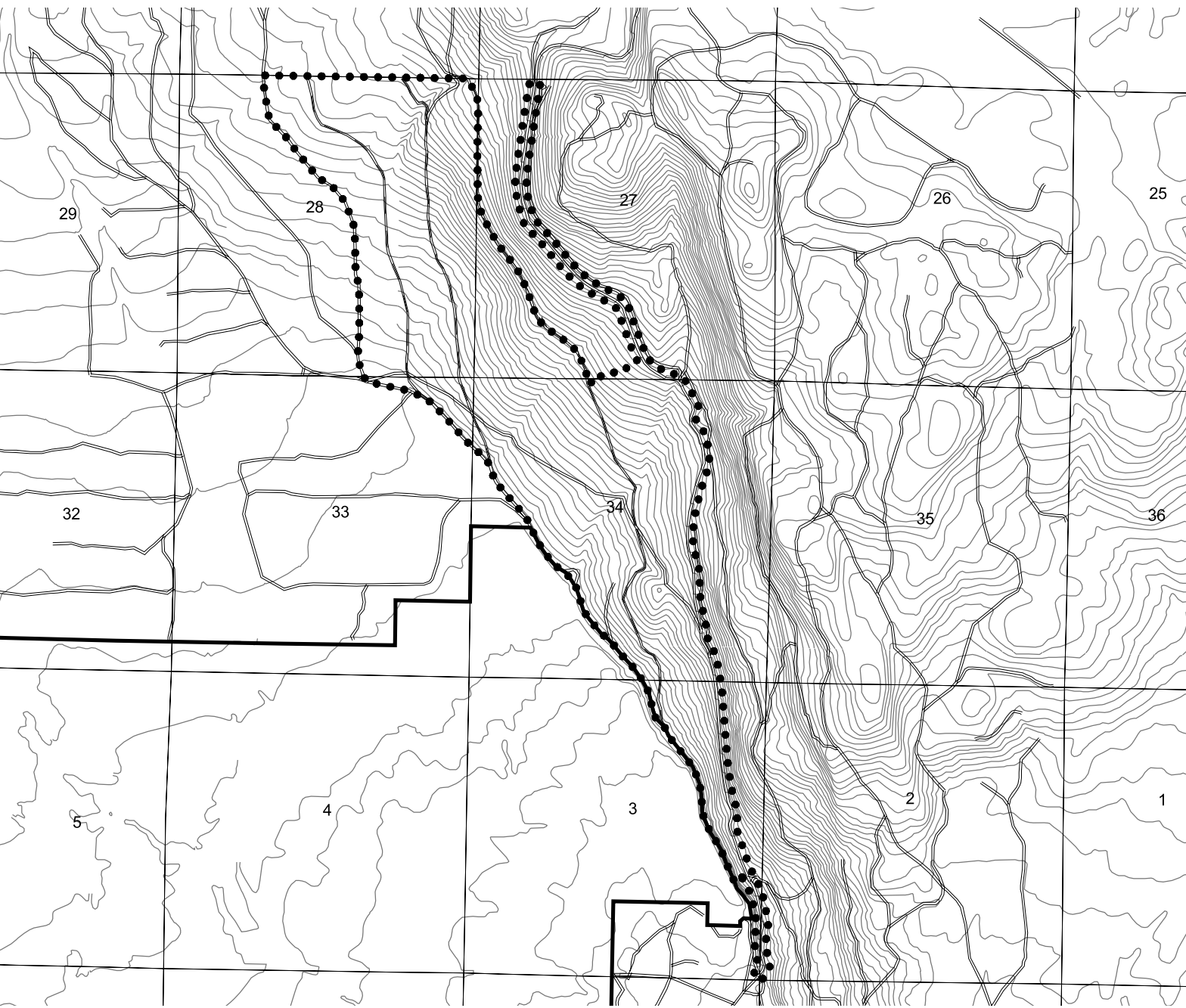
Harvesting is anticipated to have no adverse impact on scenic resources in the area.

**XIII. OTHER RESOURCE CONSIDERATIONS:**

None.

**XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:**

This sale area is classified as Focused Stewardship. It is included within the boundaries of Sun Creek Cooperative Road Closure. Harvest activities will be limited during May and June to reduce human and vehicular harassment to elk and other wildlife during critical calving and winter staging periods.



**Legend**

- Jackpot Timber Sale Boundary
- Road Improvement
- Existing Roads
- Sun Pass Forest Boundary



FY 10  
 Klamath-Lake District  
 Jackpot Timber Sale  
 T.32S.,R.7.5E., Sec. 27,28,33,34, W.M.  
 T.33S.,R.7.5E., Sec 2,3, W.M.  
 Klamath County, Oregon  
 Approximately 874 Acres

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