

Pre-Operations Report

Operation Name: Willy Nilly
County: Klamath

Table 1. Operation Areas, Types and Acres

Stand	Type of Operation	Gross Acres	Net Acres
208	Partial Cut	49	49
209	Partial Cut	251	251
210	Partial Cut	60	60
218	Partial Cut	254	254
Total		614	614

The exterior boundary of the sale area also contains Stand 211, which is not being proposed as part of this operation. Stand 211 is a plantation not yet ready for commercial entry.

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

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

Vegetation Zone

Stand 208: White fir forest zone. Plant association – Mixed conifer/snowbrush-manzanita (CWS1-12)

Stand 209: Ponderosa pine forest zone. Plant association – Ponderosa pine/bitterbrush-snowbrush/sedge (CPS3-12)

Stand 210: Ponderosa pine forest zone. Plant association – Ponderosa pine/bitterbrush-snowbrush/needlegrass (CPS3-11)

Stand 218: White fir forest zone. Plant association – Mixed conifer/snowbrush/sedge (CWS1-15)

Slope, Aspect, and Topography:

Sale area slopes range from level to a few short slopes up to 30%, while aspect is primarily west.

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	208	LP	11.9	25	142.5	57.5	49
			PP	13	86.8	213.2	168.8	
			WF	11.6	38.8	168.4	84.5	
		Totals			150.6	524.1	310.8	
1	PC	209	IC	13.2	1.2	12.8	3.1	251
			LP	12.2	22.6	144.8	53.2	
			PP	15.6	71.9	204	143.9	
			SP	13.9	14.8	23.7	26.4	
			WF	15.4	19.1	148.1	46.7	
		Totals			129.6	533.4	273.3	
1	PC	210	IC	7.1	4.7	44	11.9	60
			LP	9.5	13.2	47.7	27.7	
			PP	11.1	62.7	195.4	127.8	
			SP	13.2	26.1	115.3	57.1	
			WF	10.3	30.6	204	72.6	
		Totals			137.3	606.4	297.1	
1	PC	218	LP	12.7	23.7	81.7	49.3	254
			PP	13.5	92.8	133.4	162.1	
			SP	14.4	9.6	26	19	
			WF	15.9	26.4	310.8	70.2	
		Totals			152.5	551.9	300.6	

1 The source of stand inventory information is from 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

5. TPA – Trees per Acre

6. SDI – Stand Density Index

All four stands are overstocked with stand density indices (SDI) ranging from 273 to 310. Current guidelines in this area call for keeping stands under SDI 270 in order to maintain stand health at levels to resist insect attacks.

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

<u>Stand</u>	<u>TPA >20"</u>	<u>TPA >30"</u>
208	8.9	1.3
209	12.6	0.4
210	7.4	0.4
218	10.7	0.2

III. DESIRED FUTURE CONDITION/VISION:

At the next entry, 15-25 years, all four stands will have the following characteristics:

- Healthy all aged, mixed species stands.
- Stand composition and structure allows sustained periodic harvest entries at a 15 to 25 year interval.
- The stands are closer to the “Desired Future Condition for Large Trees in the Sun Pass State Forest” goals. The goal is to have 10 trees >20” dbh with at least 2 of those trees >30” dbh.
- There are younger cohorts of ponderosa pine, sugar pine, and incense cedar scattered throughout the stands individually and in small clumps.
- Fuels are arranged and at acceptable levels to reduce the adverse impacts of wildfires.
- Snags, down wood, and cover, are at desirable levels to provide 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 uneven-aged stands dominated by ponderosa and sugar pine. Other tree species (incense cedar white fir) will be retained for biodiversity and market diversity. Stands 209 and 218 are above the desired future condition goal for trees greater than 20”dbh, while Stands 208 and 210 are below the target. All stands are under the goal for trees over 30” dbh. This management effort will result in faster growth rates for the residual trees, enabling all stands to meet the desired future condition for trees >20” dbh. Meeting the goal for trees >30” dbh may take longer than 20 years.

The forest health objectives will be accomplished by reducing stand density and by species composition manipulation. Past harvests in all stands both prior to and since state ownership have led to significant increases in lodgepole pine stocking in this mixed conifer site. Silvicultural manipulation of the stand will include group selection and single tree selection generally as a thin from below favoring ponderosa pine and sugar pine. Group selections will focus primarily on lodgepole pine concentrations and will be planted with ponderosa pine, sugar pine and possibly some incense cedar. Group selections will total around 60 to 70 acres with groups ranging in size from ½ to 5 acres in size.

Most of the existing snags and high defect trees will be retained for wildlife habitat enhancement unless their juxtaposition conflicts with the safety of the logging operation. Existing large downed wood, long butts from the logging

operation, and cull logs will be left in place or skidded from the landing and scattered on the sale area.

The sale plan is intended to include the treatment of both sawlog sized material and subsawlog sized 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 piles will be burned.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Sale Type:	Recovery	Planned Quarter:	4
Fund Percentage	100	% BOF	
Net Volume	2,751	Conifer MBF	
Stumpage Value	\$234.02	Conifer (\$/MBF)	
Estimated Gross Value	\$643,780		
Project Costs:	\$39,910		
Estimated Net Value	\$603,870		

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 gentle terrain, 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.

The District will close an estimated 3.9 miles of existing roads, using methods described in the Summary Document under Road Access Management.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Dirt Spur
Construction	0.0	0.0	0.0
Improvement	0.0	5.3	1.0
Maintenance	3.6	0.0	2.2
Vacation	0.0	0.0	3.9

See AOP Summary Document for road use level definitions.

VII. AQUATIC RESOURCES AND WATER QUALITY:

None.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

Surveys for Spotted Owls have been conducted, as outlined in the LRP, and no spotted owls have been detected in or near the sale area. Monitoring surveys were completed on the forest in 2005 and 2006. These two year surveys are completed every five years. Spotted owl surveys are not done for individual sales. No owls were detected. The forest will not be surveyed during the life of the contract.

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.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

None. The entire sale area is under 30% slope.

X. RECREATION RESOURCES:

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

XI. CULTURAL RESOURCES:

The area has been surveyed for cultural resources. No cultural resources requiring protection were found.

XII. SCENIC RESOURCES:

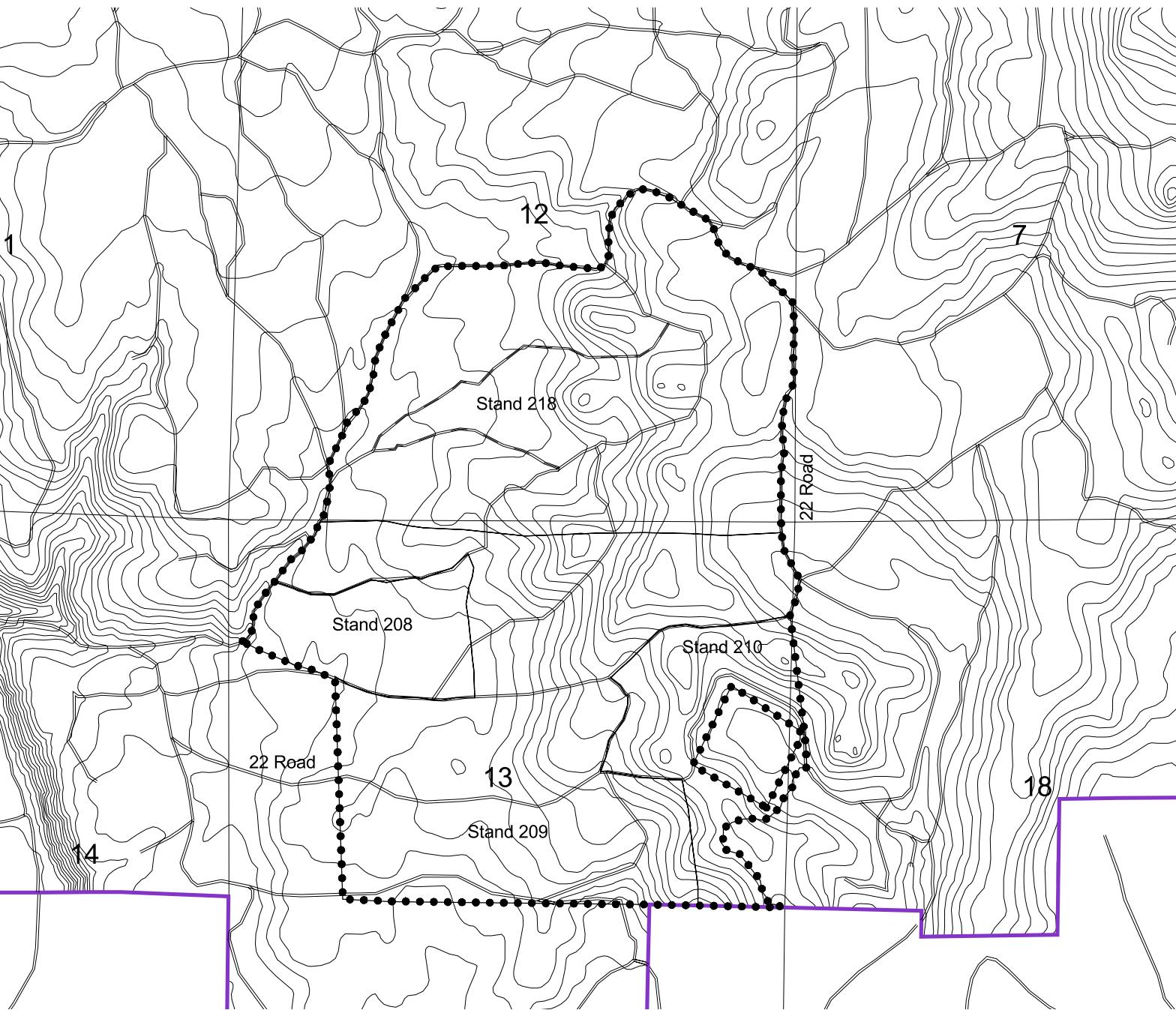
There are no visual concerns associated with the sale area.

XIII. OTHER RESOURCE CONSIDERATIONS:

None

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY

The sale area is classified as General Stewardship.



Legend

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



FY 08
 Klamath-Lake District
 Willy Nilly Timber Sale
 T.33S.,R.7.5E.,Sec. 12 , 13 W.M.
 T.33S.,R.7E., Sec. 18
 Klamath County, Oregon
 Approximately 614 Acres
 Attachment A