Pre-Operations Report

Operation Name: Park Place (alternate**)**
County: Washington
Management Basin: Wheeler
Legal Description: Sec. 29, 31, and 32, T03N, R05W, W.M.

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
I	Moderate Partial Cut	223	206
II	Moderate Partial Cut	35	32
III	Reserve Areas	11	0
Total	**Partial Cut**	**269**	**238**

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

Slopes average approximately 20%. Slopes range from 0-45% and aspects are varied. Elevation ranges from 960 to 1360 feet. The sale areas were not a part of the Tillamook Burns. Soils in the sale areas are Enright, Pinochle, Delmoor and Killam.

The landform is gentle slope along both sides of Carlson Creek and across the very broad divide with the Nehalem River. The underlying rock in Area II and the northern third of Area I is sedimentary rock of the Nestucca Formation gray mudstone with sandstone interbeds. The underlying rock in the southern two thirds of area 1 is sedimentary rock of the Cowlitz Formation, gray to tan arkose (sandstone) with thin bedded mudstone.

II. CURRENT STAND CONDITION:

Area II was precommercially thinned in 1998. No other part of the sale had any prior stand management.

Area I:
This is a 48 to 70 year old, conifer stand. The average stand age is 67. The stand is composed almost entirely of Douglas-fir. There is scattered hemlock, noble fir, cedar, grand fir, alder and big leaf maple trees throughout the sale area. The conifer trees are naturally regenerating in the understory.

The stand contains minor amounts of laminated root rot (*Phellinus weirii*) and will not be treated at the time of harvest. No other significant insect or disease problems have been discovered at this time. Current condition varies for this area from CSC to LYR.

Area II:
This is a 33 year old conifer stand. The stand is composed almost entirely of Douglas-fir. There are scattered hemlock, noble fir, cedar and red alder trees throughout the sale area. The SLI calculated current condition is UDS.

Area III:
These are 2 small stands of Douglas-fir that are older than 100 years. OSCUR shows the east stand to be 140 years old and the west stand to be 110. There are a few scattered cedar and hemlock trees in the stands.

All Areas:
The shrub vegetation of the understory is composed primarily of vine maple, sword fern, salmonberry, salal, Oregon grape, red huckleberry, wild blackberry cascara and bracken fern.

There are small amounts of snags in various states of decay throughout the sale areas. There are moderate amounts of down woody debris (DWD), in decay classes 1 and 2, created from wind, tree suppression and *Phellinus weirii*.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID [1]	Species	Age	DBH	BA	TPA	SDI	Net Acres [2]
I	PC-M	7428*	DF	61	17	213	132	52	56
		7443*	DF	70	17	213	132	52	79
		7468*	DF	48	14	189	170	57	22
		7481*	DF	63	17	213	132	52	42
		7491*	DF	55	18	158	113	37	7
		Target [3]	DF	67	*18*	*150*	*85*	*35*	*199*
II	PC-M	7457	DF	33	12	184	181	49	32
		Target [3]			*14*	*100*	*94*	*27*	*32*
III	Reserve	118,121**	DF	125	28	250	58	47	--

[1] The source of stand inventory information is from SLI in 2004, except for stand ages which are from OSCUR stand data. Stand ID shown with (*) is from SLI expanded data 10/6/2004. The stands in Area III, shown with (**) are OSCUR types.
[2] The acres are based on GIS and exclude existing and planned roads, stream buffers, and non-thinnable areas.
[3] The Target row for partial cut areas identifies expected stand characteristics (DBH, BA, TPA and SDI) immediately after harvesting has been completed.
[4] PC-M is Moderate Partial Cut.

III. DESIRED STAND CONDITION:

The harvest operation will result in an UDS structure in the short term. According to the Forest Grove District's landscape design for the Wheeler basin, the desired future condition (DFC) for these stands is 95% LYR and 5% OFS.

The anticipated management pathway for the sale areas is to conduct a 1st entry operation for density management. The SDI will be reduced to approximately 35 in Area I and 27 in Area II. This will maintain vigorous growth for the overstory. The saplings in the understory, that are naturally regenerating, will have a faster growth rate due to openings in the canopy, creating a more diverse stand. Area III will be placed on a pathway to OFS.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest	Desired Future	Net Acres
I	7428	CSC	UDS	LYR	26
		UDS	UDS	LYR	23
		LYR	LYR	LYR	7
	7443	CSC	UDS	LYR	33
		UDS	UDS	LYR	36
		LYR	LYR	LYR	10
	7468	CSC	UDS	LYR	22
	7481	CSC	UDS	OFS	16
		UDS	UDS	OFS	26
	7491	UDS	UDS	OFS	7
II	7457	UDS	UDS	LYR	32
III	118, 121	UDS	UDS	OFS	--

[1] The stand is expected to develop into this condition in the five to ten years after this operation is completed.

IV. PROPOSED MANAGEMENT PRESCRIPTION:

Partial Cut - Moderate:

Area I: Moderate Partial Cut to a SDI 35. Some hemlock and noble fir will be cut, but the species composition will remain similar to the pre-harvest levels. The residual stand target basal area is 140 to 160 square feet. The average DBH of the sale areas will be approximately 18 inches.

Area II: Moderate Partial Cut to a SDI of 27. This stand, at age 33, has just become "available" for a commercial thinning. The basal area will be reduced to approximately 100 sq. ft./ac. This will leave approximately 90 trees per acre.

Residual trees will be the trees that have the largest DBH and height, and are of the best form and vigor. All trees less than 8 inches shall be reserved and shall not count toward the target basal area.

In Area I, 1 tree per acre shall be topped to create hard snags. Snags shall have a DBH of at least 18 inches, and be at least 60 feet in height.

Understory vegetation will be enhanced from the additional growing spaces made available by thinning the overstory.

All existing DWD will be reserved in the sale areas. DWD recruitment is expected through mortality, windthrow of residual trees, felled snags, and logging slash.

Existing snags determined not to be a safety hazard will be retained and any felled snags will be left for down wood.

Area III: Reserve areas. No commercial harvest will take place within these areas. Structural components associated with older forest will be developed. Approximately 1 snag per acre will be developed by injecting heart rot fungus. Approximately 8 large trees will be dropped for the purpose of adding large down woody debris.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%		☑
Planned Quarter:		**Alternate**	

	Conifer	Hardwood	Total
Net Volume (MBF)	**3,100**		**3,100**
Stumpage Value ($/MBF)	**400**		
Estimated Gross Value	**$1,240,000**		**$1,240,000**
		Project Costs:	**$35,000**
		Estimated Net Value:	**$1,205,000**

VI. TRANSPORTATION PLANNING AND HARVESTING:

The sale areas are accessed from the Cochran County Road, Wheeler Road and the Carlson Creek Road. These are currently all weather roads. Road use fees will not apply.

All haul roads will have high quality crushed rock or pit run surfacing. Roads will provide access to all timber within the sale areas and allow for logging methods and hauling which will minimize impacts to soils, residual timber, streams, and riparian areas.

Approximately 0.8 miles of road will be constructed in order to provide access to ground yarding or landing locations. New construction is limited to gentle and moderate sideslopes. Proposed roads will not cross any streams.

Project work and its estimated cost: $35,000.

Following harvest, spur roads and skid trails within the sale areas will be blocked to vehicular traffic.

The operation will be 100% ground yarding.

Table 5. Transportation Planning Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0.8	0
Improve	0	0	0	0
Maintain	0	2.5	0	0
Close/Block	0	0	0	0
Vacate	0	0	0	0

For determination of road class either use results of the Harvest and Habitat roads classifications, or if this information is not available then low use roads are spurs, medium use roads are collectors and high use roads are mainlines. Use these same criteria when comparing the total for all AOP sales to the IP plans.

VII. AQUATIC RESOURCES AND WATER QUALITY:

There are no known Type F streams within or adjacent to the sale areas.

Carlson Creek is a medium type N stream that is within the sale area. The stream buffer will be posted 100 feet from the stream. Machinery will not come within 100 feet of this stream. Riparian area stand type along the Carlson Creek is mostly a hardwood/conifer mix.

There are three small seasonal Type N streams within the sale area.

The sale area is within the Lousignont/Upper Nehalem basin. This basin has been designated as a Salmon Anchor Habitat (SAH) Basin. SAH Basin Strategies will be applied during the timber sale layout and contract development.

VIII. T&E SPECIES CONSIDERATIONS:

The sale area has been reviewed with the ODF Northwest Oregon Area Biologist (Area Biologist).

Surveys for northern spotted owls were conducted in 2004 due to the presence of potentially suitable spotted owl habitat within and adjacent to the timber sale area. Park Place was surveyed for spotted owls three times in 2004 with no responses, and the second year of survey will be completed in 2005. All surveys were/will be conducted in accordance with USFWS protocol.

Surveys for marbled murrelets are not required, due to the absence of potentially suitable habitat within the sale area. The ODF wildlife biologist for the NW Oregon Area made the determination that the sale area is non-suitable habitat for marbled murrelets.

The sale area was checked against the Oregon Natural Heritage Program (OHNP) database of known listed plant locations. No listed plant records were identified within the sale area.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

The initial assessment from the geotechnical specialist is low. The geotechnical specialist may be consulted if concerns arise during sale layout.

The sale areas are within SAH Basin. The most current SAH Strategies will be used at the time of timber sale preparation and contract development. There are no high landslide hazard locations within this sale.

X. RECREATION RESOURCES:

Reeher's campground is located just south of the Cochran Road, and is adjacent to the sale area. There will be a 50 foot no harvest buffer on the north side of the Cochran Road, across from the campground, to minimize visual impacts to the campground. Other strategies will be explored with the District Recreation Coordinator to mitigate impacts to the recently completed campground. These may include seasonal and operating hours restrictions near the campground.

No OHV trails were identified within or adjacent to the sale areas.

Recreational use common to this area includes hiking, biking, hunting and horseback riding.

XI. CULTURAL RESOURCES:

The sale area was checked against the Tillamook State Forest Cultural Resource Inventory database. No cultural resource records were identified within the sale area. However, an old CCC camp has been identified by John Barnes near the west stand of Area III. This has been flagged and will be posted outside of the sale.

XII. SCENIC RESOURCES:

The sale areas have a visual classification of Level 2, medium sensitivity.

XIII. OTHER RESOURCE CONSIDERATIONS:

Property lines have been posted.

All known survey corners and witness trees shall be protected from damage during any operations.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Management Classification Summary. This table summarizes the acres of Focused and Special Stewardship within the operations. Due to overlapping classifications under the Land Management Classification System, the acres summarized for each operational area in this table may exceed the net or gross acreage of the area. For example, a particular acre can be classified as Focused Stewardship for Aquatic and Riparian Habitat, Recreation, and Scenic resources.

Area	LMCS Subclass	Focused Stewardship	Special Stewardship
I	Aquatic and Riparian Habitat	56	4
	Domestic Water Use	106	0
	Recreation	24	0
	Wildlife	206	0
II	Aquatic and Riparian Habitat	6	4
	Domestic Water Use	15	0
	Wildlife	32	0
III	Aquatic and Riparian Habitat	2	1
	Domestic Water Use	11	0
	Recreation	5	0
	Wildlife	11	0