

Pre-Operations Report

Operation Name: Park Place

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
1	Moderate Partial Cut	43	39
2	Moderate Partial Cut	57	56
3	Moderate Partial Cut	53	51
4	Moderate Partial Cut	66	56
5	Heavy PartialCut	35	32
Total	Partial Cut Harvest	219	202
6	Reserve Areas	11	--
	Total	265	234

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 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 Areas 4 and 5 is sedimentary rock of the Nestucca Formation gray mudstone with sandstone interbeds. The underlying rock in Areas 1, 2, 3 & 6 is sedimentary rock of the Cowlitz Formation, gray to tan arkose (sandstone) with thin bedded mudstone.

II. CURRENT STAND CONDITION:

Area 5 was precommercially thinned in 1998. No other part of the sale had any prior stand management.

Areas 1-4:

Approximately 226 acres (97%) of the sale Areas have been inventoried using the Stand Level Inventory (SLI) procedure, and those stands have been classified as UDS. The remaining acreage (3%) is classified as UDS according to the Current Condition map that appears in the Forest Grove District Implementation Plan (*March 2003*).

The average stand age of the sale Areas is 54 years. The stand is composed almost entirely of Douglas-fir. There are 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.

SLI data show a range of 2.6 - 4 snags per acre within all decay classes including up to 1.7 hard snags per acre. The data show a range of 750 to 1350 cu. ft. per acre total down woody debris, including up to 236 cu.ft. per acre of classes 1 & 2.

Area 5:

This Area has been inventoried using the Stand Level Inventory (SLI) procedure and has been classified as UDS. This is a 33 year old conifer stand composed almost entirely of Douglas-fir. There are scattered hemlock, true fir, cedar and red alder trees throughout the sale Area.

SLI data show 2.6 snags per acre within all decay classes. The data show 2,345 cu. ft. per acre total down woody debris, including 188 cu.ft. per acre of classes 1 & 2.

Area 6:

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. Snag and DWD SLI data are not available for these 2 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.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	SDI	Net Acres ²							
1	PC-M ⁴	7481	DF	63	23	250	89	55	39							
		<i>Target</i> ³									18	150	85	35	39	
2	PC-M ⁴	7443	DF	70	24	202	66	44	26							
		7468								DF	48	19	268	137	63	22
		7491*								DF	55	16	210	146	53	8
		<i>Target</i> ³									18	150	85	35	56	
3	PC-M ⁴	7443	DF	70	24	202	66	44	51							
		<i>Target</i> ³									18	150	85	35	51	
4	PC-M ⁴	7428	DF	61	19	215	111	51	48							
		7457								DF	33	13	190	184	51	8
		<i>Target</i> ³									18	150	85	35	56	
5	PC-H ⁴	7457	DF	33	14	190	184	51	32							
		<i>Target</i> ³									16	80	57	20	32	
6	Reserve	118,121**	DF	125	28	250	58	47	11 ⁵							
		<i>Target</i> ³									28	250	58	47	11	

¹ The source of stand inventory information is from SLI data. Stand ID shown with (*) is from SLI expanded data 10/6/2004. The stands in Area 6, 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, PC-H is Heavy Partial Cut.

⁵ The acreage for Area 6 is gross acres, since these stands will be reserved from harvest.

III. DESIRED STAND CONDITION / VISION:

According to the Forest Grove District's landscape design for the Wheeler basin, the desired future condition (DFC) for these stands is 80% LYR and 20% OFS. The harvest operation will result in a UDS structure in the short term.

In Areas 1-4, the first entry partial cut prescription is designed to maintain vigorous growth in the overstory trees. 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. After the next partial cut in 15-20 years, shade tolerant species such as hemlock, grand fir and cedar may need to be planted due to the lack of these species in the overstory. It is anticipated that this will result in a LYR stand condition 20 years after the second entry partial cut. A third entry partial cut may be necessary to maintain the LYR condition for an additional 20-30 years. After this the stand could be developed into OFS or harvested depending on landscape needs at that time.

In Area 5, a heavy partial cut will reduce the stocking to an RD of 20 with approximately 57 trees per acre. It will be underplanted with shade tolerant species to help develop the desired complex structure. Area 6 will be placed on a pathway to OFS.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Net Acres
1	7481	UDS	UDS	OFS	39
2	7443	UDS	UDS	LYR	26
	7468	UDS	UDS	LYR	22
	7491	UDS	UDS	OFS	8
3	7443	UDS	UDS	LYR	51
4	7428	UDS	UDS	LYR	48
	7457	UDS	UDS	LYR	8
5	7457	UDS	UDS	LYR	32
6	118, 121	UDS	UDS	LYR	11 ²

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

² The acreage for Area 6 is gross acres, since these stands will be reserved from harvest.

IV. PROPOSED MANAGEMENT PRESCRIPTION AND PATHWAY:

Partial Cut - Moderate:

Areas 1-4: 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.

In Areas 1-4, 1 tree per 2 acres 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.

Area 5: Heavy Partial Cut to a SDI of 20. This stand, at age 33, has just become “available” for a commercial thinning. The basal area will be reduced to approximately 80 sq. ft./ac. This will leave approximately 57 trees per acre. The stand will be underplanted with 50-150 shade tolerant conifers per acre to help develop the desired future complex structure. No snags will be created here as the residual trees are too small.

All Areas: Residual trees will be the trees that have the largest DBH and height, and are of the best form and vigor.

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. Snag recruitment will occur through natural processes.

Area 6: 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 created. Approximately 8 large trees will be dropped for the purpose of adding large down woody debris. It is anticipated that these areas will develop into OFS and remain on the landscape as OFS for as long as the surrounding stands remain in complex structures.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%		<input checked="" type="checkbox"/>
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:	\$70,000
		Estimated Net Value:	\$1,170,000

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. 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 .9 mile 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: \$70,000.

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
Construction	0	0	.9	0
Improvement	0	0	0	0
Maintenance	0	2.5	2	0
Vacation	0	0	0	0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The Nehalem River, a large Type F stream flows along the west side of Area 1. Carlson Creek is a medium type N stream that is within Area 4. The sale boundary and/or stream buffer will be posted 100 feet from these streams. Machinery will not come within 100 feet of this stream. Riparian area stand type along the Nehalem River is mostly hardwoods and along Carlson Creek is mostly a hardwood/conifer mix.

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

The entire 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. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

The sale areas have been reviewed with the ODF Northwest Oregon Area Biologist (Area Biologist).

Surveys for northern spotted owls were conducted in 2005 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 2005 with no responses, and the second year of survey will be completed in 2006. All surveys were/will be conducted in accordance with USFWS protocol.

Park Place was surveyed for marbled murrelets in 2005 due to the presence of potentially suitable murrelet habitat adjacent to the sale area. The presence of murrelets was not detected during the 2005 surveys. The second year of survey will be completed in 2006. All surveys were/will be completed in accordance with PSG protocol.

This operation does not involve an activity that is listed in the National Marine Fisheries Service (NMFS) adopted rules under Section 4(d) of the Endangered

Species Act. Neither the sale area nor the haul route is in close proximity to a stream with listed fish.

The sale areas were checked against the Oregon Natural Heritage Program (ONHP) database of known listed plant locations, as well as against local records in the Land Management Classification System (LMCS). No listed plant records were identified within or adjacent to the sale areas.

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 and the associated non-motorized trails are located just south of the Cochran Road, and are adjacent to the sale areas. Planned trails are also in or adjacent to the sale areas. Strategies to minimize and mitigate impacts to the recreation resources were agreed upon during a field visit with the District Recreation Coordinator on 11-23-05. For Areas 1,2 & 5, logging operations will only be allowed from Oct. 1 – May 15 each year. No weekend activity will be allowed during project work from May 15 – Oct. 1. No landings will be allowed along the Cochran road in Areas 1 & 2 except in Area 2 south of the Cochran road. No tree falling onto the Cochran road except painted "daylight" trees in the sale area. No buffer is required along the Cochran road.

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. This database lists two cultural sites adjacent to the sale area (within 200 feet).

The resources are described as:

- "Timber Guard Station" (Class ?)
- "Reeher's CCC Camp" (Class 2 – ODF Identified for Protection)

The district will consult the Public Use Coordinator (ODF Salem Staff) for appropriate protection measures of these sites. Both of these sites will be posted outside of the sale area.

XII. SCENIC RESOURCES:

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

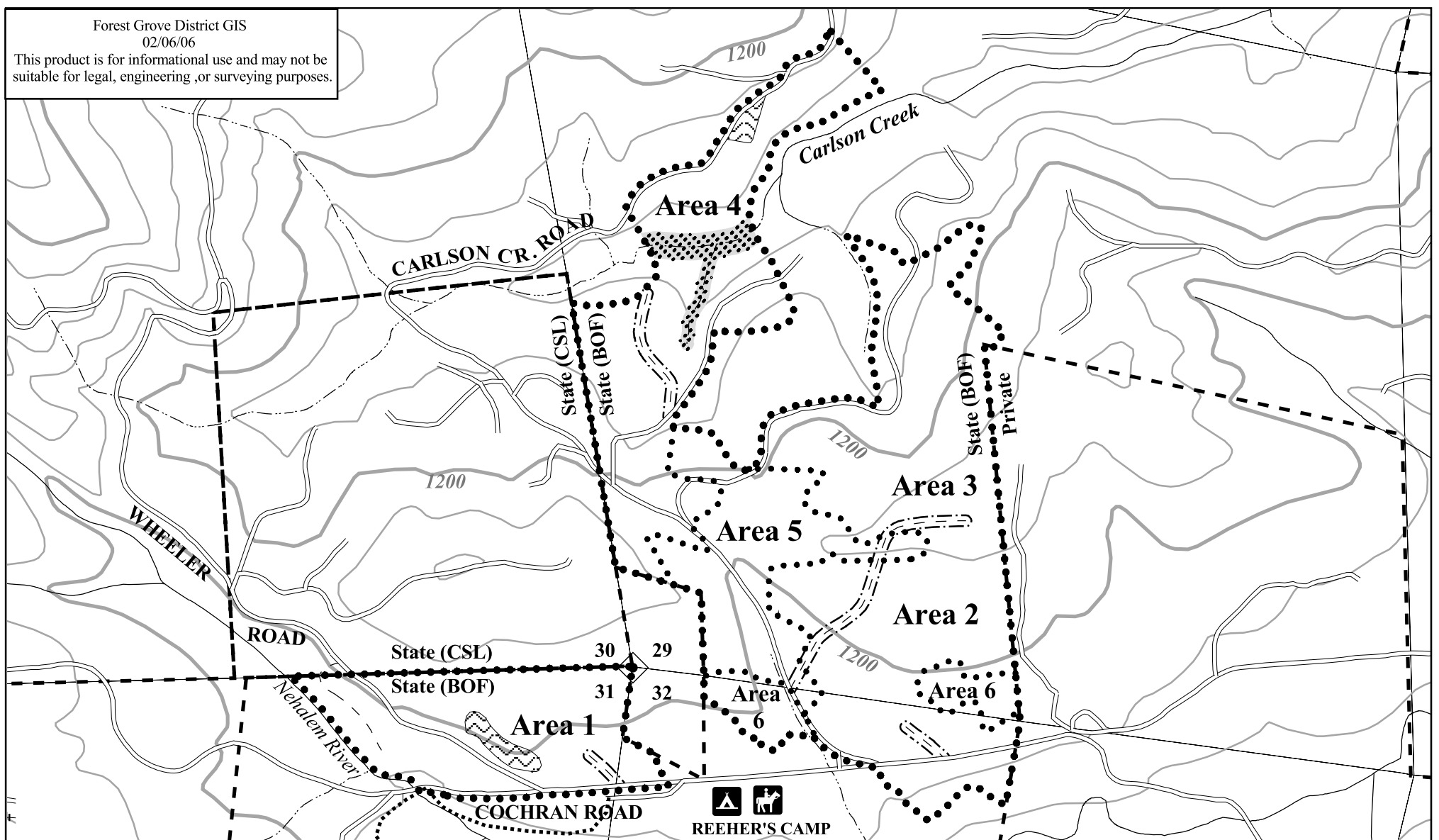
XIII. OTHER RESOURCE CONSIDERATIONS:

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:

All Areas except Area 2 contain Focused and Special Stewardship, Aquatic and Riparian Habitat Subclass, due to the presence of perennial streams within the sale areas. The sale areas are Focused Stewardship, Wildlife Subclass, because the sale area is within the Lousignont Creek/Upper Nehalem River Salmon Anchor Habitat (SAH). The sale areas also contain Focused Stewardship, Domestic Water Use Subclass. The municipal water intake for the community of Timber is located approximately 2 miles downstream from the sale area on the Nehalem River. See Section VII, Aquatic Resources and Water Quality, for the management guidelines to be utilized. Areas 1, 2, 5 and 6 also contain Focused Stewardship, Recreation Subclass. See Section X, Recreation Resources, for the strategies that will be implemented to minimize impacts to the adjacent Reehers Campground.



LEGEND

- Timber Sale Boundary
- 400' Contour Intervals
- 80' Contour Lines
- Existing Roads
- ▨ Non-Thinnable Area
- - - - - Hiking Trail
- - - - - Road Construction
- · - · - · Right-of-Way Boundary
- - - - - ODF Ownership
- Perennial Type F stream
- · - · - · Perennial Type N stream
- Stream Buffer

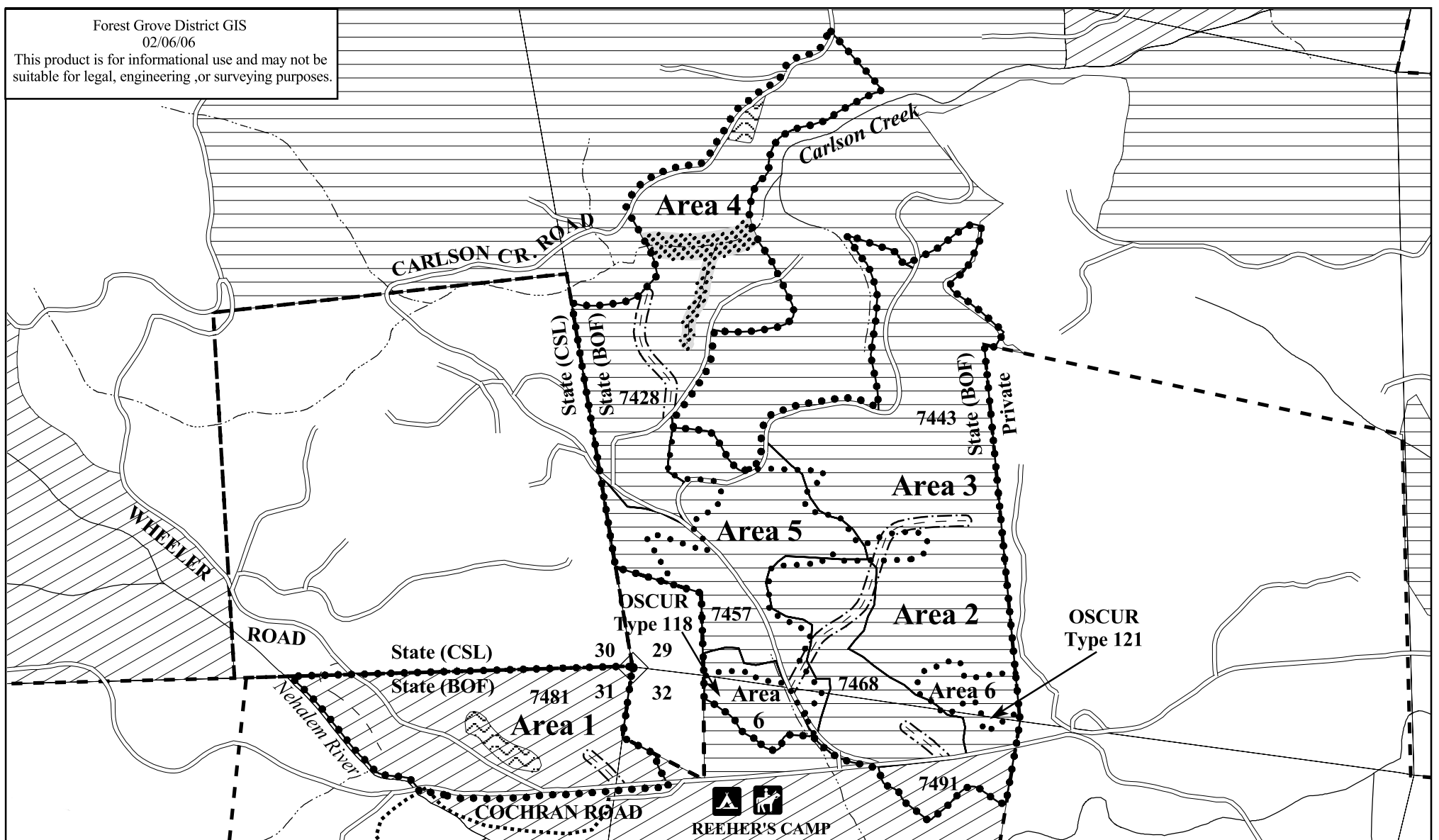
FY2007
Park Place
Sec. 29, 31, & 32, T03N, R05W, W.M.
Washington County
Attachment A: Topography

Scale
1:12000
1 Inch = 1000 Feet



APPROXIMATE NET ACREAGE

AREA 1	39 ACRES (PC-M)
AREA 2	56 ACRES (PC-M)
AREA 3	51 ACRES (PC-M)
AREA 4	56 ACRES (PC-M)
AREA 5	32 ACRES (PC-H)
AREA 6	11 ACRES (Reserve area - gross acres)
TOTAL	245 ACRES



LEGEND

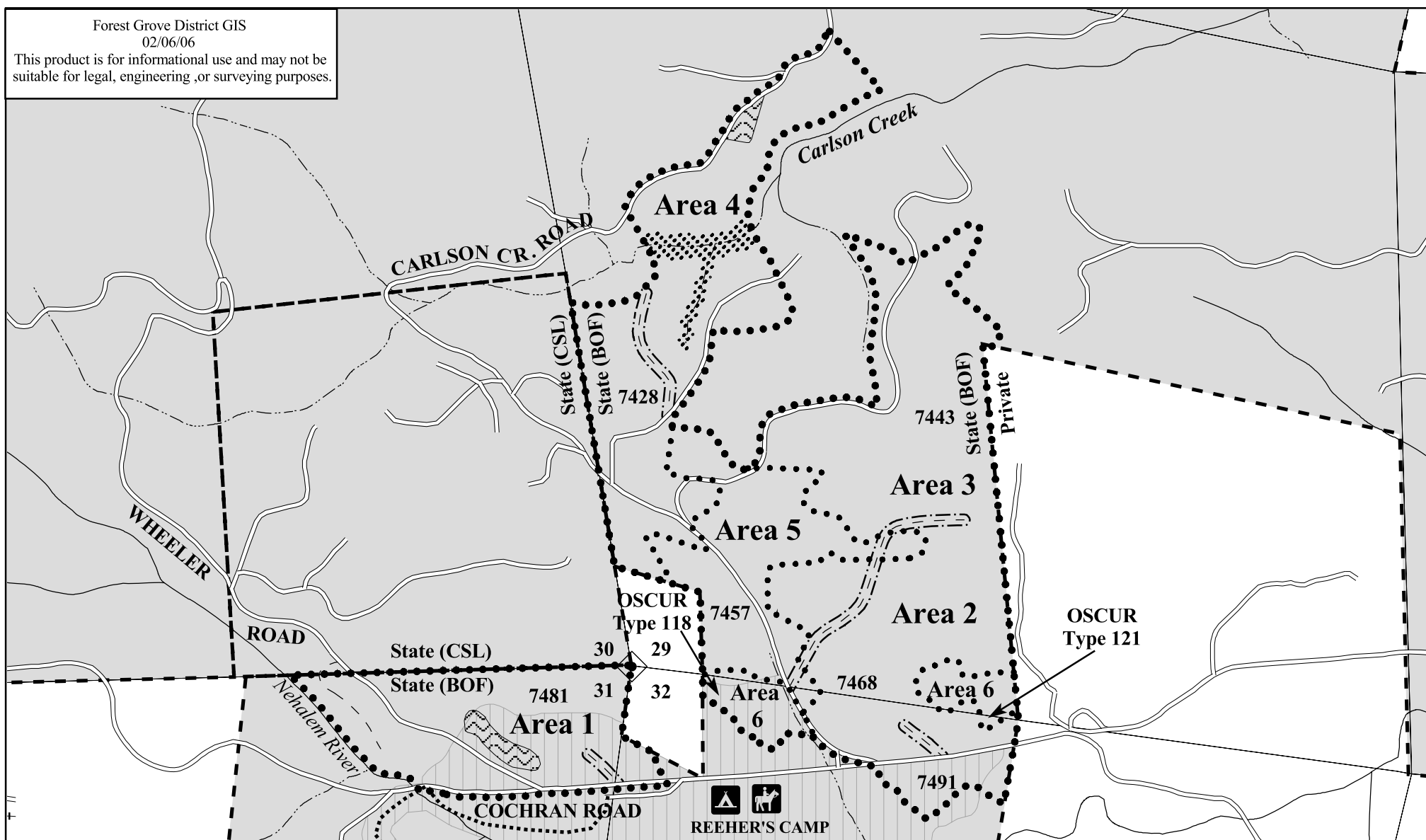
- Timber Sale Boundary
- Hiking Trail
- DFC Stand Type
- Road Construction
- ▨ Layered
- Right-of-Way Boundary
- ▧ Older Forest Structure
- ODF Ownership
- SLI Polygons (Stand ID#)
- Perennial Type F stream
- ==== Existing Roads
- Perennial Type N stream
- ▩ Non-Thinnable Area
- ▤ Stream Buffer

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Park Place
Sec. 29, 31, & 32, T03N, R05W, W.M.
Washington County
Attachment B: Desired Future Condition

Scale
1:12000
1 Inch = 1000 Feet



APPROXIMATE NET ACREAGE	
AREA 1	39 ACRES (PC-M)
AREA 2	56 ACRES (PC-M)
AREA 3	51 ACRES (PC-M)
AREA 4	56 ACRES (PC-M)
AREA 5	32 ACRES (PC-H)
AREA 6	11 ACRES (Reserve area - gross acres)
TOTAL	245 ACRES

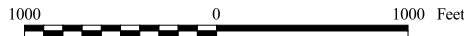


LEGEND

- | | | | |
|-----------|-----------------------|-----------|---------------------------------|
| ●●●●● | Timber Sale Boundary | - - - - | ODF Ownership |
| | Non-Thinnable Area | — | Perennial Type F stream |
| — | Existing Roads | - · - · - | Perennial Type N stream |
| - - - - | Road Construction | ●●●●● | Stream Buffer |
| - · - · - | Right-of-Way Boundary | ■ | Salmon Anchor Habitat (SAH) |
| ····· | Hiking Trail | ▨ | Focused Stewardship, Recreation |

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Park Place
Sec. 29, 31, & 32, T03N, R05W, W.M.
Washington County
Attachment C: Key Resources
(RECREATION / SAH)

Scale
1:12000
1 Inch = 1000 Feet



APPROXIMATE NET ACREAGE

AREA 1	39 ACRES (PC-M)
AREA 2	56 ACRES (PC-M)
AREA 3	51 ACRES (PC-M)
AREA 4	56 ACRES (PC-M)
AREA 5	32 ACRES (PC-H)
AREA 6	11 ACRES (Reserve area - gross acres)
TOTAL	245 ACRES