

Pre-Operations Report

Operation Name: Wolf Creek
County: Lane
Management Basin: Western Lane
Legal Description: Sec 26, T18S, R6W

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Modified Clearcut	114	106
Total		114	106

Net acres do not include in-unit existing roads.

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

The sale area is located approximately 5 air miles south of Veneta. The elevation ranges from 950' to 1250' and average annual rainfall varies from approximately 60" to 68". Slopes are gentle to moderate and the predominate aspect is east/southeast. The soils within the sale boundary consist mostly of Belpine and Willakenzie. The sale boundary is surrounded by ODF, BLM and private land.

II. CURRENT STAND CONDITION:

Most of the stands within the sale area originated after wildfires the first part of the 20th century. Most residual trees were destroyed by the fires or harvested years ago. The average age of the overstory timber is about 70 years. Timber type is primarily Douglas-fir with isolated individual chinkapin, bigleaf maple and red alder. Most sale area was thinned to approximately 100 square feet of basal per acre in 1998. In 1999 the sale area was underplanted with a mix of Douglas-fir, hemlock and cedar. The planted seedlings are overtopped by the understory which is comprised mostly of cascara, vine maple, and ocean spray. The area currently is UDS structure with heavy brush, moderate amounts of down wood and some snags.

Table 2. Stand Inventory Information (Net Acres)

Area	Prescription	Stand ID ¹	Main Overstory Species	DF Age	All Spp DBH	All Spp BA	All Spp TPA	All Spp SDI	Acres ²
4	Modified Clearcut	15308	DF	70	17	191	117	49	106
		Target							

1 The source of stand inventory information is SLI from 2006.

2 Net acres are based on orthophotos and does not include in-unit existing roads or stream buffers.

III. DESIRED STAND CONDITION and VISION:

The harvest operation will develop the sale area into REG. The land allocation for the entire sale area has been designated as General and plans are to manage the area with an emphasis on Douglas-fir commercial forest on fairly short rotations.

Table 3. Stand Structure Information (Net Acres)

Area	Stand ID	Current	Post Harvest	Desired Future	Acres
1	15308	UDS	REG	GEN	106

IV. PROPOSED MANAGEMENT PRESCRIPTION and ANTICIPATED PATHWAY:

Areas 1 – Modified Clearcut – All merchantable Douglas-fir and most red alder will be harvested. No cedar, maple, chinkapin or Douglas-fir less than 10 inches DBH are proposed for harvest. Five to 7 trees will be retained per acre to provide for future snags and downed wood. The leave trees will consist of cedar, maple, chinkapin and Douglas-fir. Additional green trees may be retained adjacent to RMA's or in blind corners.

The clearcut areas probably will be aerially sprayed prior to planting with a common site preparation herbicide mix (i.e. Accord/Arsenal) to reduce brush competition to the new seedlings. Approximately 300 seedlings per acre will be planted the first planting season following site preparation. The planted seedlings will be a mix of Douglas-fir (75%) and cedar (25%).

An additional brush control treatment may be necessary a few years after planting to achieve 'free-to-grow'. This treatment will specifically target hardwood competition and probably will be hack and squirt.

Down wood will come from existing down wood, broken pieces and missed logs. No trees will be felled specifically to create additional down wood.

An average of one snag per acre will be created. The snags may be dispersed through the harvest unit or left in clumps.

No pre-commercial thinning operations are anticipated at this time due to the targeted seedling spacing. The next commercial entry is anticipated in approximately 35 – 40 years. At this time a moderate thinning will be the likely silvicultural prescription.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	0%	<input type="checkbox"/>	X
Planned Quarter: 4			

	Conifer	Hardwood	Total
Net Volume (MBF)	2900		2900
Stumpage Value (\$/MBF)	\$275		
Estimated Gross Value	\$797,500		\$797,500
		Project Costs:	\$20,000
		Estimated Net Value:	\$777,500

VI. TRANSPORTATION PLANNING AND HARVESTING:

Access to the timber sale area is through private ownership and BLM. A license agreement will be required prior to commercial hauling on BLM owned and controlled roads. ODF currently has a permanent road use agreement on portions of road owned and controlled by private landowners. All roads accessing the sale area are surfaced with rock and are in good condition. No new road construction is required for this sale. However, portions of the existing road system may be improved to accommodate wet weather operations.

Approximately 38 acres (36%) of the sale area will be ground based logged and the remaining 68 acres (64%) will be cable logged uphill. The southeastern most 13 acres of the sale area will be yarded across what may be a small Type F stream (refer to Section VII for information on stream classification). Logs will be fully suspended and no “dragging” of logs will occur within the aquatic zone of the stream. There does not appear to be any issues with deflection or lift due to the location of roads and ridges.

Table 5. Transportation Planning Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0	0
Improve	0	1.5	0	0
Maintain	0	4.8	0	0
Close/Block	0	0	0	0
Vacate	0	0	0	0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The sale area borders a stream with no known previous beneficial use classifications. A physical habitat survey will be conducted on the stream during sale layout. The preferred timing of the physical habitat survey will be during the spring months when cutthroat trout can be expected. Until then we will use the map analysis method to estimate the end of fish use. Based on the map analysis method it appears that approximately 860' of the stream will be classified as Type F. A no cut buffer averaging 130' wide will be applied to the stream for the entire Type F distance. However, all logs in the area east of the stream will need to be yarded across the stream canyon to an existing landing. All logs will be fully suspended over the stream and at no time will any log be "dragged" through the aquatic zone. Natural openings will be targeted when choosing corridors through the RMA. A written plan will be required for yarding operations within 100' of this stream. The written plan will clearly identify the operation procedures required to protect the RMA components. The remaining portion of the same stream within the sale area will be classified as a small perennial Type N. A 40' no cut buffer containing at least 4 dominant or co-dominant conifer per 100' of RMA will be afforded to the stream. The first 500' of this buffer will also retain all hardwoods, non-merchantable trees and other conifers as necessary to achieve 80% shade over the aquatic zone. The RMA for the entire length of this stream (both the Type F and Type N segments) appears to have a mix of conifer and hardwood.

VIII. T&E SPECIES CONSIDERATIONS:

T&E Birds: The SOA Wildlife Biologist has determined that the sale area is suitable habitat for Northern Spotted Owls due to the age and size of the trees. Past surveys for NSO's have taken place in this area on private and federal

ownership over several years. There are no known NSO sites within 1.5 miles of the sale boundary.

There appears to be potential marbled murrelet habitat within and adjacent to the sale. The potential habitat will be surveyed during the 2009 and 2010 seasons.

T&E Plants: The sale area was checked against the Oregon Natural Heritage Program (OHNP) database of known listed plant locations. The sale area was also checked against district knowledge for any listed plant location. No listed plant records were identified within the sale area.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

There are no known slope stability or geotechnical issues in or adjacent to the sale area. Slopes within the sale area are gentle and range from 5% to 30%.

X. RECREATION RESOURCES:

The entire sale area is located behind locked gates owned and operated by private timber companies. There is little to no recreation use in the sale area.

XI. CULTURAL RESOURCES:

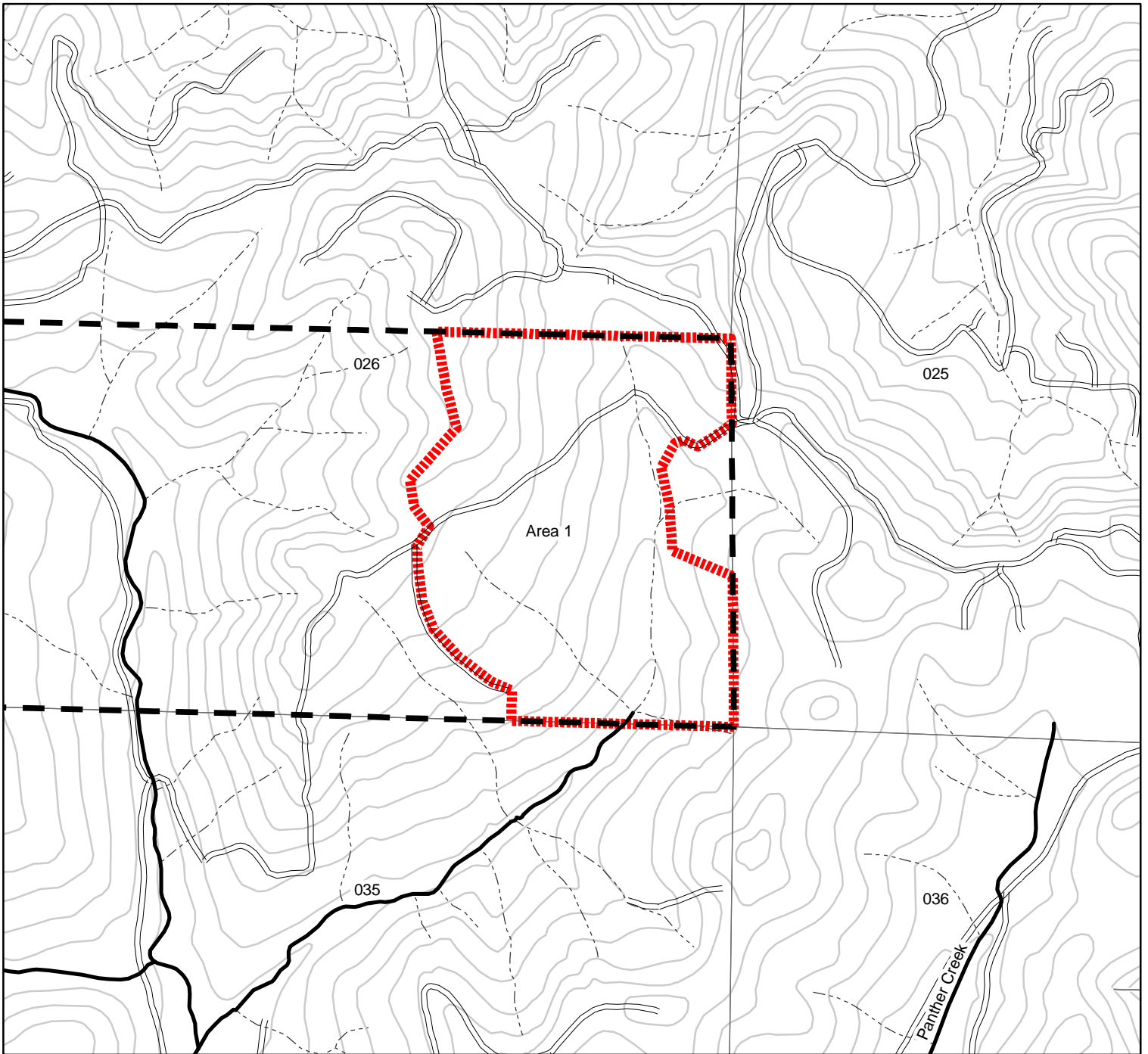
No cultural resources sites are known to exist within the sale area.

XII. SCENIC RESOURCES:

The area is not visible from any public roads, however the sale area may be visible from one private residence. The sale area is nearly surrounded by privately owned even aged forests managed on short rotations. We do not anticipate any issues associated with scenic resources due to the surrounding harvest activity.

XIII. OTHER RESOURCE CONSIDERATIONS:

None known.



Legend

- Existing Roads
- Planned Roads
- ODF Ownership
- Sale Boundary
- Section Lines

Streams

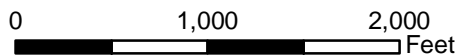
- Fish
- Nonfish
- Unknown

Wolf Creek

3

Western Lane District
 2010 Annual Operations Plan
 T.18S., R. 6W., Sec. 26, W.M.
 Lane County, Oregon

Scale 1:12,000



Contours: 40 feet



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