

Pre-Operations Report

Operation Name: Lion's Lair
County: Clatsop
Management Basin: Beneke

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	MC	37	34
2	MC	70	65
3	MC	34	30
Total	Modified Clearcut	141	129

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

The sale is located in the headwaters of Trailover Creek and an unnamed tributary of Beneke Creek. Areas 1 and 3 of the sale are located on moderate slide slopes and Area 2 of the sale is located along the gentle ridgeline with moderate to steep slopes on the west boundary. The sale is underlain by sedimentary rocks of the informal Northrup Creek Formation and the Pittsburg Bluff Formation. There are invasive dikes that are Intrusive Grande Ronde Basalt of the Columbia River Basalt Group running (northeast trend) through portions of Areas 1 and 2.

II. CURRENT STAND CONDITION:

Area 1 - The current stand is a 72 year old Douglas-fir dominant mixed conifer stand with portions dominated by red alder near the Trailover Quarry. The understory consists primarily of dense sword fern in places with occasional vinemapple, huckleberry, and salmonberry.

Area 2 - The current stand is a 64 year old western hemlock dominant mixed conifer stand with portions dominated by red alder near streams, draws and roads. The understory consists primarily of dense sword fern in places with occasional vinemapple, huckleberry, and salmonberry.

Area 3 - The current stand is a 64 year old western hemlock dominant mixed conifer stand with portions dominated by red alder near streams and draws. The understory consists primarily of dense sword fern in places with occasional vinemapple, huckleberry, and salmonberry.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	SDI	Acres ²
1	MC	23723	DF	72	19	300	152	72	17
		1253	RA	56	14	233	216	83	17
		Target ³					5		34
2	MC	23695	WH, DF	64	16	283	142	74	49
		1213	RA, BM	56	15	239	189	82	9
		1222	DF, WH	57	19	322	159	76	5
		1253	RA	56	14	233	216	83	2
		Target ³					5		65
3	MC	23695	WH, DF	64	16	283	142	74	11
		1141	DF	61	20	258	121	60	4
		1160	DF	66	16	303	210	76	3
		1162	DF, WH, RA	65	19	307	162	73	12
		Target ³					5		30

1 The source of stand inventory information is SLI 2003 and OSCUR from 2002. Age shown is as of 2006.

2 The acres are based on GIS and exclude roads, streams buffers, reserve areas, etc.

3 The Target identifies expected stand characteristics (DBH, BA, TPA and SDI) after harvesting has been completed.

III. DESIRED STAND CONDITION/VISION:

None of the sale areas have been placed into a specific desired future condition such as OFS or LYR.

These areas will be regeneration harvested and planted with a mixture of conifer species. Five to seven conifer trees per acre will be left to provide a source for natural regeneration and future downed wood and snags. A precommercial thinning is anticipated in 12 to 17 years when crowns close followed by a commercial thinning at 30 to 40 years of age to ensure continued growth. At age 45 to 50 the stand will be evaluated for either additional thinning or regeneration harvest.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Acres
1	23723	UDS	REGEN	GENERAL	17
	1253	CSC	REGEN	GENERAL	17
2	23695	CSC	REGEN	GENERAL	49
	1213	CSC	REGEN	GENERAL	9
	1222	CSC	REGEN	GENERAL	5
	1253	CSC	REGEN	GENERAL	2
3	23695	CSC	REGEN	GENERAL	11
	1141	CSC	REGEN	GENERAL	4
	1160	CSC	REGEN	GENERAL	3
	1162	CSC	REGEN	GENERAL	12

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:

Areas 1, 2, and 3 - These areas are modified clearcuts that will be replanted with a mixture of conifer species. Site preparation will be provided mainly by cable harvesting. Slash manipulation will require evaluation during sale layout. Plant at 300 trees per acre with a mix of the following species: Douglas-fir, western hemlock, and western red cedar. Tree protection will be provided as well as trapping for mountain beaver prior to initial planting. Prescription of herbicides will be evaluated at time of sale preparation.

Green Trees: A combination of methods will be implemented to achieve the green tree retention requirements such as green tree retention areas, stream buffers, and trees scattered across the sale areas (FMP, page 4-53, Paragraph 2). Minor species found may be reserved from cutting; further consideration of those species will be taken during sale layout. In addition, individual and small clumps of non-merchantable alder may be left in operationally feasible areas to provide short term snag recruitment.

Snags: During all harvesting activities, all existing snags will be retained unless deemed to be safety hazards. Where fewer than two hard snags per acre are found to exist during sale layout, opportunities for snag creation or leaving additional live green trees will be implemented to supplement landscape snag levels (FMP, "Landscape Management Strategy 3c. Snags", pages 4-53 and 4-54).

Downed Wood: For all harvesting activities, all existing down woody debris will be retained. Down woody debris levels will be assessed and if deficiencies are found to exist on an individual unit, then additional conifer trees and/or conifer logs will be retained to meet the landscape targets for down woody debris as prescribed in the FMP. (FMP, "Landscape Management Strategy 3d. Down Wood.", pages 4-54 and 4-55.)"

Site preparation on gentle slopes will be done by mechanical slash manipulation. On steeper slopes the site preparation will be accomplished through cable harvesting activities. Planting will be at 300 to 350 trees per acre with a mix of Douglas-fir, western hemlock, and true firs. Mountain beaver trapping will focus on the sword fern/alder type areas. Animal damage through big game browse to conifer seedlings is anticipated to be high in all sale areas. Tree protection will be prescribed to the newly planted conifer species; Douglas-fir will receive paper bud caps at initial planting.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

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

	Conifer	Hardwood	Total
Net Volume (MBF)	2,800	200	3,000
Stumpage Value (\$/MBF)	\$250	\$300	
Estimated Gross Value	\$700,000	\$60,000	\$760,000
		Project Costs:	\$68,000
		Estimated Net Value:	\$692,000

VI. HARVESTING AND ACCESS CONSIDERATIONS:

Access to the harvest site will be from Trailover Road and Trailover Quarry Road. The haul route will be down Trailover Road to Beneke Road and out Beneke Creek County Road to Highway 202. Approximately 1.0 miles of new road will be constructed for harvest purposes. Dirt spurs will be designed for summer hauling and will be vacated after operations are completed. Approximately 30.0 miles of road brushing will be conducted. The road rock needed for road construction will be obtained at the Trailover Quarry stockpiles.

The sale will have cable-yarding settings as well as ground-yarding areas. These areas were determined from analysis of the terrain and landing locations. Existing roads will be utilized as much as possible when constructing the logging plan.

Table 5. Transportation Planning Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.4	0.6
Improve	0.0	0.0	0.0	0.0
Maintain	7.5	0.0	0.0	0.0
Close/Block	0.0	0.0	0.0	0.0
Vacate	0.0	0.0	0.0	0.6

VII. AQUATIC RESOURCES AND WATER QUALITY:

Type F and Domestic Use Streams: Area 1 in the southeast, borders a medium Type F, unnamed tributary of Beneke Creek for approximately 350 feet.

Area 2 in the southwest, borders a medium Type F, unnamed tributary of Beneke Creek for approximately 1,150 feet.

Type N Streams: There are perennial Type N streams located within all the sale areas.

Aquatic Resource Protection: For all areas, full log suspension is required when cable yarding over streams. No ground-based logging equipment operation is allowed within the stream bank zone. No stream crossings are anticipated during road construction. To protect water quality during active operations, a variety of methods will be used to prevent sediment from entering live streams. These methods range from use of hay bales in road ditches, to “ditch-outs” away from streams, to complete shutdown of logging and hauling.

All streams will be examined to determine stream type and classification during sale layout, and then the specific riparian management area strategies required in the FMP will be implemented. The FMP riparian management area strategies that will be implemented are found in the FMP, Appendix J, “Management Standards for Aquatic and Riparian Areas”, pages J-1 through J-16.

Possible stream enhancement work will be conducted with this sale in the vicinity of Areas 1 and 2. Further review of stream enhancement needs will be conducted during sale layout in cooperation with ODFW. If any in-stream work is done with this sale, it will all be conducted during in-stream work periods established by ODFW.

VIII. T&E SPECIES CONSIDERATIONS:

The ODF Northwest Area Biologist determined on February 28, 2006 that none of the sale areas contained suitable habitat for Marbled Murrelets.

All sale areas were surveyed to protocol for northern spotted owl in 2006 with no detections. One detection occurred in 2006 in the Deliverance Owl Home Range located adjacent to the southwest boundary of Area 2. All sale areas will be surveyed again for northern spotted owl in 2007.

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 (OHNP) database of known listed plant locations. No listed plant records were identified within the sale area.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

There are only a few scattered small steep slopes in Areas 1 and 3. Area 2 has a band of steep slopes near the west boundary. The initial risk assessment by the geotechnical specialist for Areas 1 and 3 of this sale is low. The initial risk assessment by the geotechnical specialist for the west portion of Area 2 is high. The geotechnical specialist will be consulted during sale layout of Area 2 to determine if a field visit is needed.

X. RECREATION RESOURCES:

This area receives little use, most likely hunting and dispersed camping. The Clatsop State Forest Recreation Plan does not list any specific activities for this portion of the basin.

XI. CULTURAL RESOURCES:

No known cultural resources are within or adjacent to the operation.

XII. SCENIC RESOURCES:

The sale area is in a landscape of low visual sensitivity (Level 3).

XIII. OTHER RESOURCE CONSIDERATIONS:

No survey work is required with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

All acres in Areas 1-3 are classified as "general management."

FY 2008 Lions Lair

Portions of Sections 12, 13, & 14,
T6N, R7W, W.M., Clatsop County, OR

Approximate Net Acreage

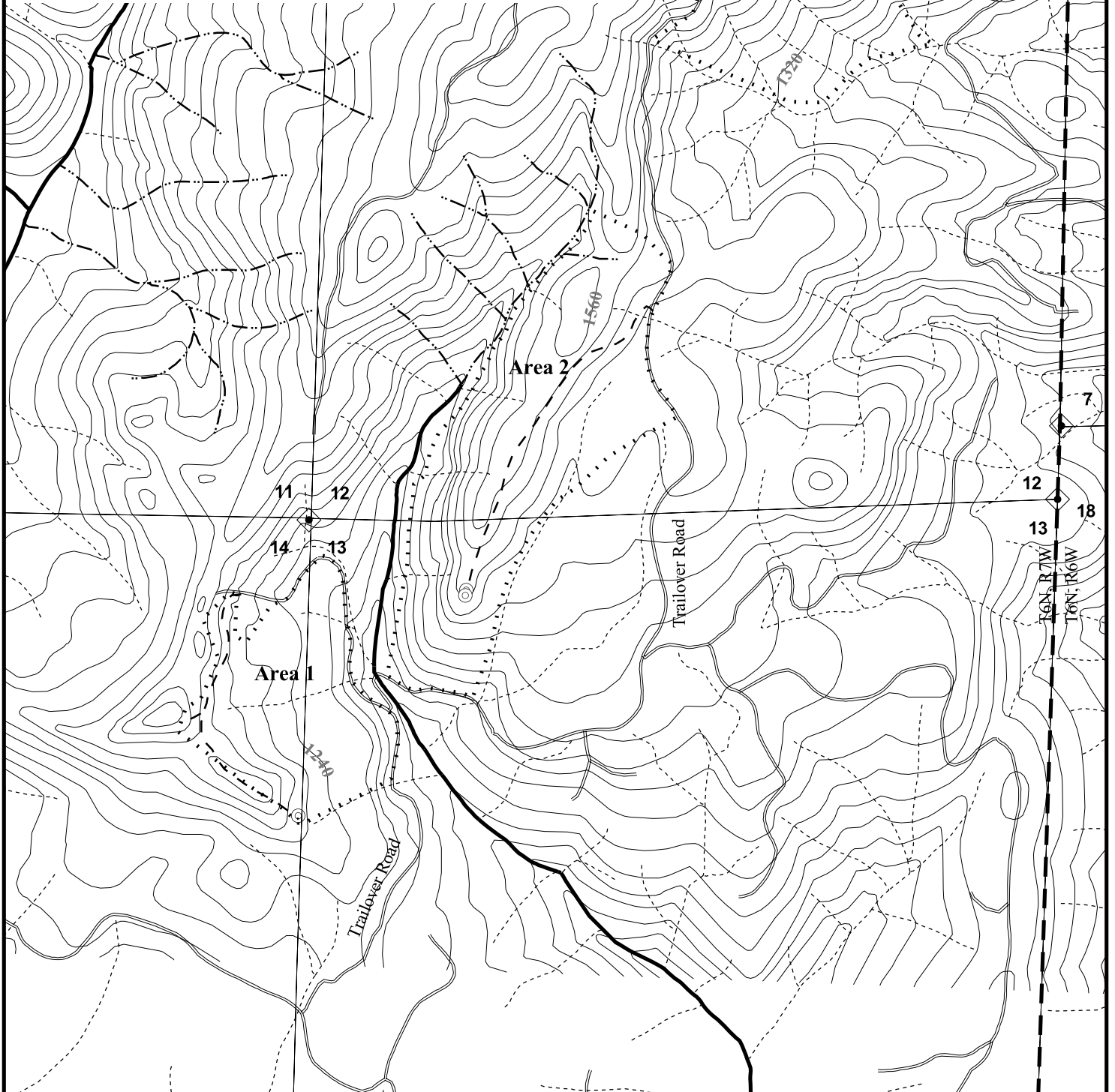
	MC Acres	PC Acres
Area 1 (MC) -	34	
Area 2 (MC) -	65	
Area 3 (MC) -	30	
Total by Prescription =	129	
Total Sale Acres =	129	



500 0 500 1000 Feet

Map A: Topography

- LEGEND**
- Fish Stream
 - Non-fish Stream
 - Unknown Stream
 - New Road Construction
 - Ownership Boundary
 - Roads**
 - Gravel
 - Paved
 - Vacated
 - New Construction Landings
 - Timber Sale Boundary
 - 40ft Contour Lines



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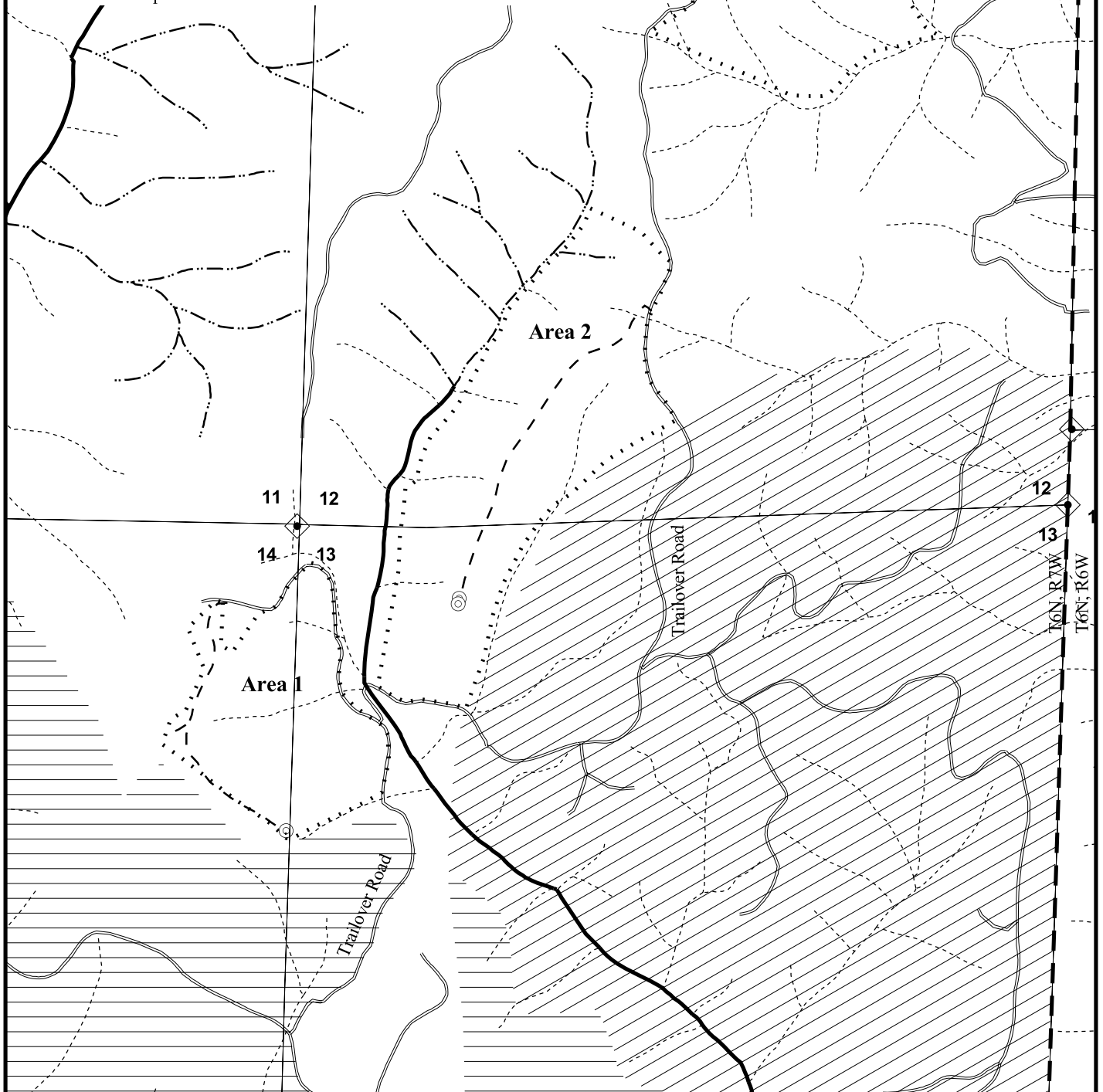
Portions of Sections 12, 13, & 14,
T6N, R7W, W.M., Clatsop County, OR

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MC Acres	PC Acres
Area 1 (MC) -	34
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Area 3 (MC) -	30
Total by Prescription =	129
Total Sale Acres =	129



- LEGEND**
- Fish Stream
 - Non-fish Stream
 - Unknown Stream
 - Ownership Boundary
 - Roads**
 - Gravel
 - Paved
 - Vacated
 - New Road Construction
 - New Construction Landings
 - Timber Sale Boundary
 - Desired Future Condition**
 - Layered
 - Older Forest Structure

Map B: Desired Future Condition



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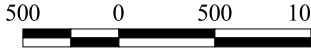
Portions of Sections 12, 13, & 14,
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Approximate Net Acreage

	MC Acres	PC Acres
Area 1 (MC) -	34	
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Area 3 (MC) -	30	
Total by Prescription =	129	
Total Sale Acres =	129	



1:12,000



Map C: Key Resources

- LEGEND**
- Fish Stream
 - Non-fish Stream
 - Unknown Stream
 - Ownership Boundary
 - Roads**
 - Gravel
 - Paved
 - Vacated
 - New Construction Landings
 - New Road Construction
 - Quarry
 - Timber Sale Boundary
 - Cluster Boundary

