

Pre-Operations Report

Operation Name: Silver Spoon
County: Clatsop
Management Basins: Lousignot

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	MC	95	84
2	MC	78	74
Total	Modified Clearcut	173	158

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

The sale is located on the moderate to steep slide-slopes of the headwaters of an unnamed tributary of Lousignont Creek south of the Greasy Spoon Road, and 2.5 miles west of the Clatsop/Columbia county line. The sale is underlain by sedimentary rocks of the informal Sager Creek Formation, the informal Northrup Creek Formation and the Pittsburg Bluff Formation, all units of the Astoria Formation.

II. CURRENT STAND CONDITION:

Area 1 - The current stand is generally 55 to 70 years old, and is composed of well stocked Douglas-fir with minor amounts of other conifer species and scattered clumps and stringers of alder. The stands are categorized as Closed Single Canopy (CSC). Stand density index (SDI) ranges from 55% to 61%.

Area 2 - The current stand is generally 60 to 70 years old and composed of well stocked Douglas-fir with minor amounts of other species. SDI ranges from 50% to 55%. The stands are categorized as Understory (UDS).

The understory in all areas consists primarily of sword fern, Oregon grape, salal, vine maple, huckleberry, and salmonberry.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	SDI	Acres ²
1	MC	1026	DF	62	20	265	123	61	23
		1064	DF	66	18	252	150	61	42
		1081	DF	57	18	228	125	55	19
		Target ³					5		84
2	MC	1099	DF	67	21	236	99	53	28
		23672	DF	64	17	216	135	53	46
		Target ³					5		74

1 The source of stand inventory information is OSCUR data from 2002 and SLI data from 2005. Age shown is as of 2005.

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:

This operation is located in the Lousignont Basin. This basin is dominated by 55 to 75 year old Douglas-fir stands with stringers of alder that naturally regenerated after logging in the early 1900's. Areas 1 and 2 are modified clearcuts and are placed into the "General" category for their desired future condition to be managed for healthy vigorous stands of mixed conifer.

Areas 1 and 2 - Areas will be regeneration harvested and planted with a mixture of Douglas-fir, western hemlock, and red alder. Five to seven of the largest 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 at 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	1026	CSC	REG	GENERAL	23
	1064	CSC	REG	GENERAL	42
	1081	CSC	REG	GENERAL	19
2	1099	UDS	REG	GENERAL	28
	23672	UDS	REG	GENERAL	46

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 and 2 - are modified clearcuts that will be replanted with a mixture of conifer species. Site preparation will be provided by the cable harvesting activities. Planting at 300 to 350 trees per acre with the following mixture of species: Douglas-fir, western hemlock, and western red cedar. Mountain beaver trapping will focus on the creek bottom areas. Animal damage through big game browse is anticipated to be moderate to high. Tree protection measures will include paper bud caps (Douglas-fir) and tubes (Western Red cedar).

Snags: In all areas, all existing snags will be retained unless deemed to be safety hazards. In MC areas, if pre-sale activities determine that fewer than two hard snags per acre exist, opportunities for snag creation or leaving additional live green trees will be implemented to supplement landscape snag levels as defined by the Forest Management Plan (FMP, "Landscape Management Strategy 3c. Snags", pages 4-53 and 4-54).

Green Trees: In MC Areas 1 and 2, an average of five to seven green trees per acre will be scattered and/or clumped throughout the areas. A combination of methods will be implemented to achieve the green tree retention requirements such as clumping and scattering trees in the uplands and placing some within stream buffers and outer RMA areas. In addition, individual and small clumps of non-merchantable alder will be left in operationally feasible areas to provide short term snag recruitment for cavity nesting birds. In all sale areas minor species such as red cedar may be reserved from cutting, and any existing larger remnant trees will be reserved from cutting.

Downed Wood: For all harvesting activities, all existing downed woody debris will be retained. In MC Areas 1 and 2, additional conifer trees and/or conifer logs will be retained to meet the 600 cubic foot/acre landscape target for down wood as prescribed in the FMP and Implementation Plan. Obvious defect in conifer logs will be bucked out in the unit to enhance downed wood levels.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%	<input type="checkbox"/>	x
Planned Quarter:		2nd	

	Conifer	Hardwood	Total
Net Volume (MBF)	5,700	500	6200
Stumpage Value (\$/MBF)	\$350	\$300	
Estimated Gross Value	\$1,995,000	\$150,000	\$2,145,000
		Project Costs:	\$362,500
		Estimated Net Value:	\$1,782,500

VI. HARVESTING AND ACCESS CONSIDERATIONS:

Access to Highway 202 will be via Northrup Creek County Road and ODF's Cow Ridge Road and/or the Fishhawk County Road and ODF's Greasy Spoon Road. Sale access is secured through existing easements.

Approximately two miles of new rocked road construction within the sale area will be needed. These roads will be built as rocked roads to facilitate year-round operations and future harvests. One dirt spur will be built to access ground-based and cable-yarding terrain in Area 1.

Road improvement of 4.8 miles is planned on Greasy Spoon Mainline. The new road construction which accesses Area 2 will follow an old railroad grade. Old fills that need to be replaced will be identified during the sale layout.

Rock Crushing at Viewpoint Quarry will be conducted to provide 18,000cy of rock for in-sale projects and 10,000cy for stockpiling at the Viewpoint Quarry

A combination of cable-yarding systems and ground yarding will be planned. Ground yarding will generally be limited to slopes under 30%. Cable systems will be used on steeper slopes. There will be a significant amount of long-span and multi-span yarding in Area 2.

A written plan will be required for timber harvest within 100 feet of a Type F stream, Louisgnont Creek. Another will be required for hanging skyline cables over Louisgnont Creek and a Type F tributary of Louisgnont Creek.

Table 5. Transportation Planning Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	2.0	0.2
Improve	4.8	0.0	0.0	0.0
Maintain	5.5	0.0	0.0	0.0
Close/Block	0.0	0.0	0.0	0.0
Vacate	0.0	0.0	0.0	0.2

VII. AQUATIC RESOURCES AND WATER QUALITY:

Type F Streams: Areas 1 and 2 -- Louisgnont Creek, a medium Type F stream, parallels the southern boundary of Area 2 for approximately 1,500 feet. A tributary of Louisgnont Creek, a medium Type F stream, parallels the eastern boundary of Area 2 for approximately 2,800 feet. Area 2 -- A tributary of Louisgnont Creek, a medium Type F stream, parallels the south eastern boundary of Area 2 for approximately 1,300 feet.

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.

Type N Streams: There are small perennial Type N streams in all sale areas. 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.

Initial assessment of Louisgnont Creek has deemed this stretch a good candidate for stream enhancement. In-stream activities will include placement of large woody debris with a cable yarder when lines pass over the reach adjacent to Area 2 to provide stream structure and increased stream dynamics.

VIII. T&E SPECIES CONSIDERATIONS:

All sale areas were surveyed for northern spotted owls in 2004, 2005 and 2006 with no detections.

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:

Area 1 has steep slopes along the lower and upper boundary and along the small tributary that runs through the middle of the Area. Area 2 has only one small area of steep slopes near the south boundary. The initial risk assessment by the geotechnical specialist for Area 1 is high and for Area 2 is low. The geotechnical specialist will be consulted during field layout to determine if a field visit will be needed.

X. RECREATION RESOURCES:

This area receives dispersed recreation, which includes hunting, camping, target shooting, and driving forest roads. This sale is located in the motorized recreation portion of the Clatsop State Forest, however inventories of existing trails did not find any located near this sale area.

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) with the exception of 22 acres in Area 1. These acres are in focused stewardship for visual management (Level 3) and lie along the Greasy Spoon Road. Steps will be taken to insure the visual areas are managed consistent with FMP visual management objectives (FMP, "Scenic Resources", pages 4-105 to 4-107).

XIII. OTHER RESOURCE CONSIDERATIONS:

No private property lines border the sale areas. No land surveying will be needed.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Area 1 has 7 acres, which fall within the Fishhawk Lake Creek Salmon Anchor Habitat Area. See Section VII, Aquatic Resources and Water Quality, for the management guidelines to be utilized. During sale layout this portion of Area 1 may be excluded from harvesting activities.

There are 22 acres in Area 1 of focused stewardship for visual management. See Section XII, Scenic Resources, for the management guidelines to be utilized. All other acres in Areas 1 and 2 are classified as “General” management.

FY 2008 Silver Spoon

Portions of Sections 2, 3 & 10,
T6N, R6W, W.M., Clatsop County, OR

Approximate Net Acreage
MC Acres PC Acres

Area 1 (MC) - 84
Area 2 (MC) - 74
Total = 158
Total Sale Acres = 158



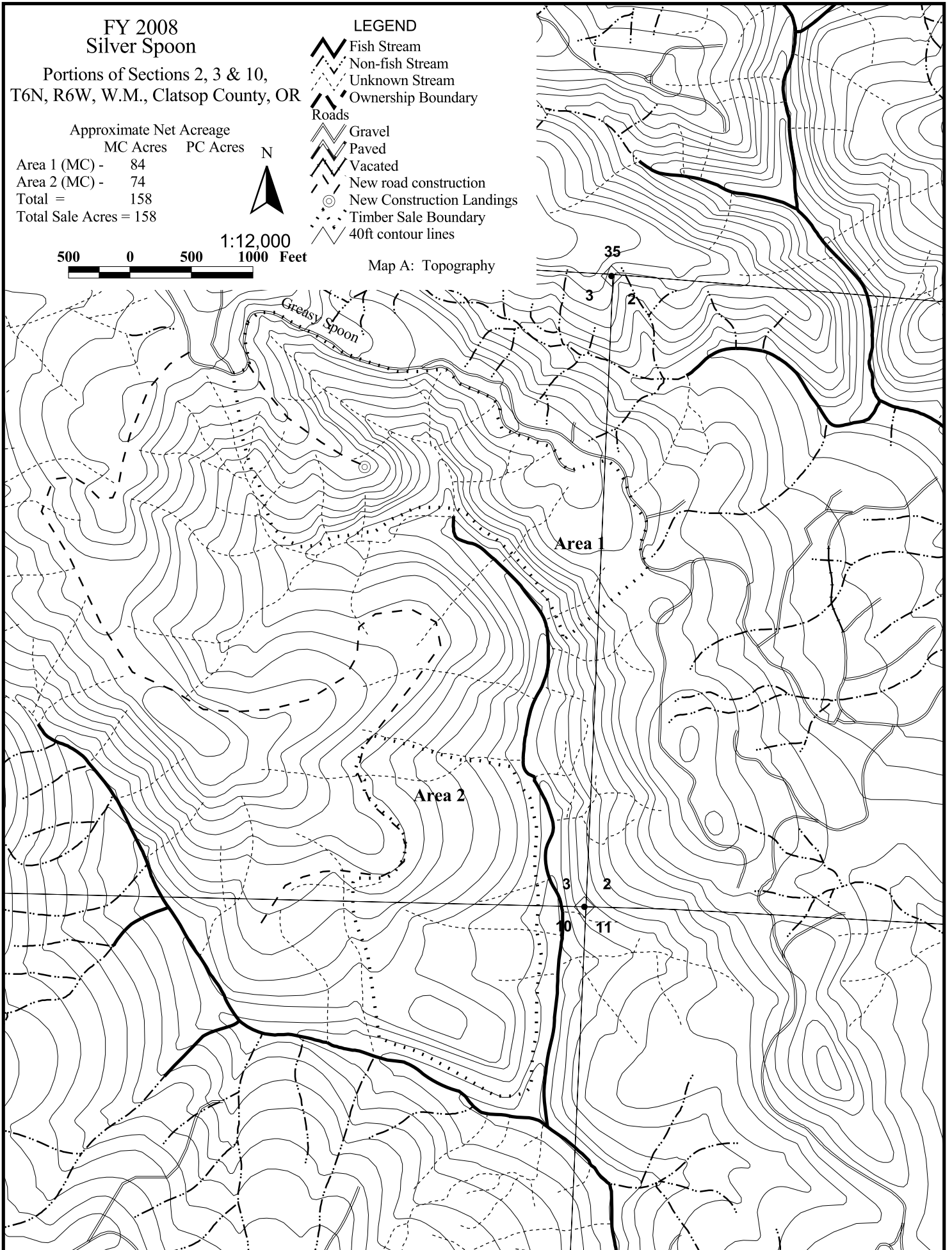
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LEGEND

- Fish Stream
- Non-fish Stream
- Unknown Stream
- Ownership Boundary
- Roads**
- Gravel
- Paved
- Vacated
- New road construction
- New Construction Landings
- Timber Sale Boundary
- 40ft contour lines

Map A: Topography



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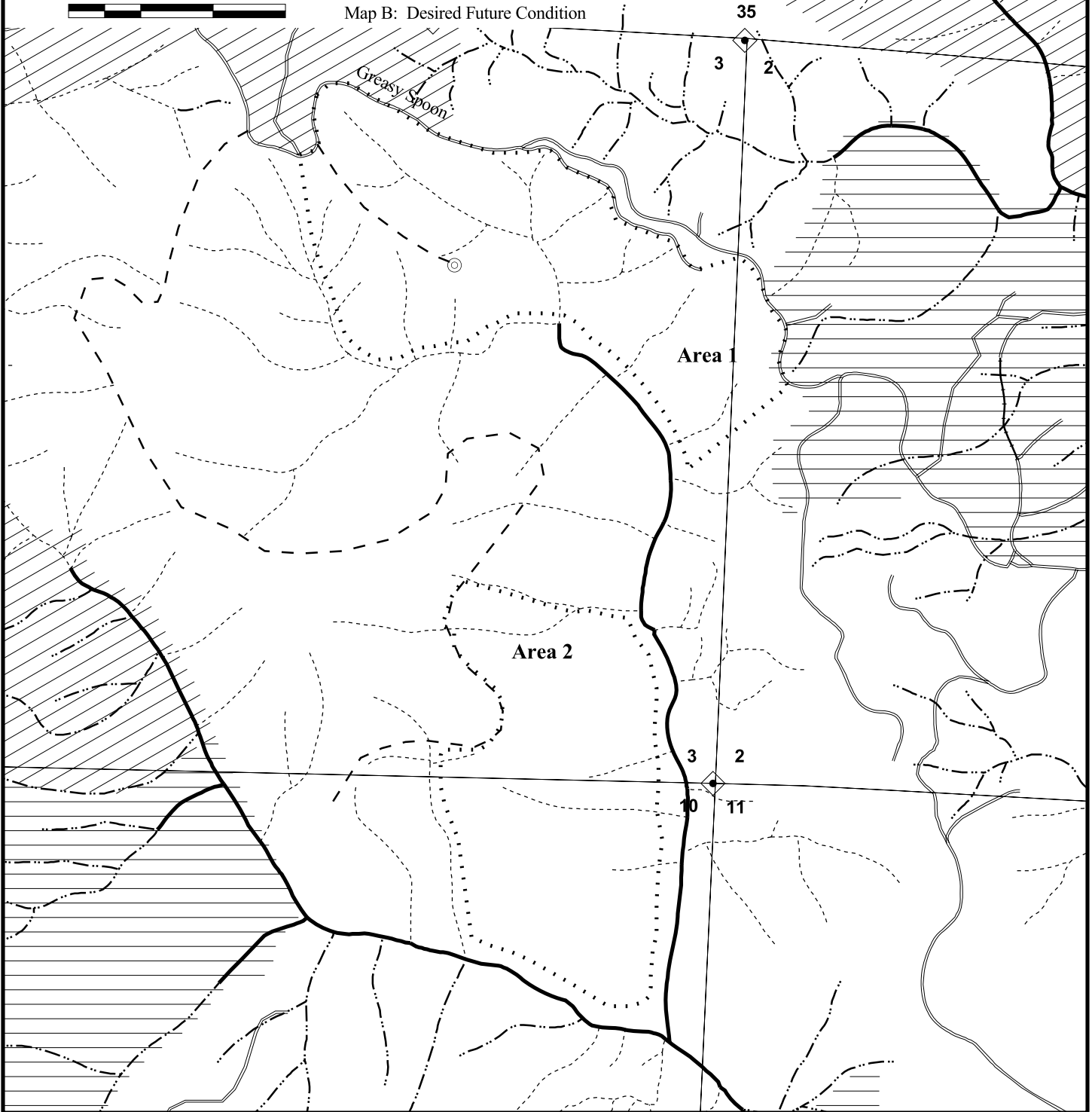
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- LEGEND**
- Fish Stream
 - Non-fish Stream
 - Unknown Stream
 - Ownership Boundary
 - Roads**
 - Gravel
 - Paved
 - Vacated
 - New road construction
 - New Construction Landings
 - Timber Sale Boundary
 - Desired Future Condition**
 - Layered
 - Older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



**FY 2008
Silver Spoon**

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 - Vacated
 - New road construction
 - New Construction Landings
 - Timber Sale Boundary
 - Salmon Anchor Habitat Boundary
 - Focused Visual

Map C: Key Resources

