

SUBJECT: SUMMARY OF MODIFICATIONS TO NELSON JUNCTION SINCE APPROVAL OF THE FY 2009 ANNUAL OPERATIONS PLAN AND PUBLIC REVIEW OF THE DRAFT 2010 ANNUAL OPERATIONS PLAN

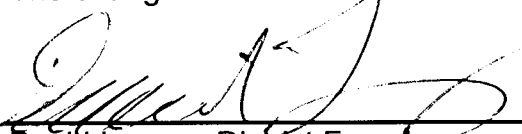
FROM: Art McCoy
TO: Dave Lorenz, Western Lane District
DATE: May 19, 2009
CC: Operation file, Nelson Junction, 341-10-21

See attached AOP and Exhibit A maps. The sale is quite similar to the approved 2009 AOP, except:

- The thinning prescription was changed from moderate to heavy, leaving approximately 40 trees per acre averaging 22 inches DBH and containing 30 MBF/ac. Thinning changed from 65 acres to 45. (The draft 2010 AOP which has completed public review with no comments shows 39 acres of moderate thinning.)
- Modified clearcut changed from 40 acres to 65. (The draft 2010 AOP shows 60 acres of clearcut.)
- Total net sale acres increased from 105 acres to 110. (The draft 2010 AOP shows 99 acres.)
- Timber volume more than doubled because of the change in harvest prescriptions and because the stand has much more volume than originally assumed.
- Some spurs were re-routed to more suitable locations, and all roads were changed to dirt to reduce costs.
- Two gates will be installed. One at the junction of the 17-8-13.1 BLM road and the 17-8-13.2 and the other at the entrance of Spur 2a where it intersects the county road. Rocking is not required for these roads, but we want to maintain access to two clearcut units for future management activities. If not gated, public use will make the road impassible after a short time.
- Spur 3a cannot be blocked because Blachly Lane Electrical Cooperative needs access to their powerlines.

	2009 AOP	Draft 2010 AOP	Current Sale
Net Acres of Medium Thinning	65	39	0
Net Acres of Heavy Thinning	0	0	45
Net Acres of Retention Cut	0	0	0
Net Acres of Modified Clearcut	40	60	65
Total Net Acres	105	99	110
Volume (MBF)	2200	2400	5032
New Rocked Construction (miles)	1.4	1.2	0
New Dirt Construction (miles)	0.9	0.6	1.7
Improvement and Reconstruction	0.8	0.8	0.7
Blocked	0.9	0.6	2.4
Project Costs	\$111,000	\$110,000	\$31,980

The changes described above have been reviewed and approved


 David Lorenz, District Forester

5/27/09
 Date

Pre-Operations Report

Operation Name: Nelson Junction
County: Lane
Management Basin: Western Lane
Legal Description: Sec 11&14, T17S, R8W

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Net Acres
3	Heavy Thinning	2
5	Heavy Thinning	23
7	Heavy Thinning	20
Subtotal		45
1	Modified Clearcut	22
2	Modified Clearcut	20
4	Modified Clearcut	14
6	Modified Clearcut	4
8	Modified Clearcut	4
	Right of Way	2
Subtotal		65
Total		110

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

The sale area is 25 miles from the coast and 26 miles west of downtown Eugene. Elevation is approximately 600 feet. The climate is cooler and wetter than Eugene. Eocene age sedimentary geology underlies the area. The soils are Drain and Valino. Slopes are gentle to moderate.

II. CURRENT STAND CONDITION:

The entire area consists of stands originating after wildfires that occurred during 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 DF with bigleaf maple and alder scattered and in patches.

All of the area is UDS structure with heavy brush, much down wood, and numerous old snags.

Minor portions of Area 5 were lightly thinned in the early 1990's.

Table 2. Stand Inventory Information (Net Acres)

Area	Prescription	Stand ID ¹	Species	Age	DBH	BA	TPA	SDI	Acres ²
1,2,4,6,8,RW	Modified Clearcut	15108	DF	70	17	244	150		65
3,5,7	Heavy Thinning	15108	DF	70	17	244	150	55	45
			Target		20 to 22	100 to 120	40 to 55	20-25	45

- 1 The source of stand inventory information is the Mar 2009 timber cruise of trees over 10.0" DBH.
- 2 Target data for partial cuts is based on DF over 10.0 inches DBH. Hardwood will increase total tpa and SDI.

III. DESIRED STAND CONDITION and VISION:

The entire sale area has a Desired Future Condition of General, and plans are to manage the area with an emphasis on Douglas-fir commercial forest.

Table 3. Stand Structure Information (Net Acres)

Area	Stand ID	Current	Post Harvest	Desired Future	Acres
1,2,4,6,8	15108	UDS	REG	GEN	65
3,5,7	15108	UDS	UDS	GEN	45

IV. PROPOSED MANAGEMENT PRESCRIPTION and ANTICIPATED PATHWAY:

Areas 1, 2, 4, 6, & 8: Modified Clearcut. Douglas-fir under 10.0 inches DBH and over 40.0 inches will be left within the units. All other conifer and all bigleaf maple which are not safety issues will be left. In addition, a few dominate and co-dominant Douglas-fir outside the posted stream buffer zones have been marked to leave.

65 snags over 16 inches DBH will be artificially created by topping or girdling above the 2nd live limb. Tops will be left as down wood. These snags will be left in small groups or scattered throughout the riparian areas and/or the leave area bordering the NW portion of Area 1. SLI for stand 15108 (the entire timber sale area) shows the stand currently has over 6 snags per acre over 24" DBH. These snags will be left, except those that may be considered a safety hazard to woods workers.

At least portions of the clearcut areas probably will be aerially or ground sprayed prior to planting with a common site preparation herbicide mix (i.e. Accord/Arsenal) to reduce brush competition to the new seedlings. The year following site preparation, the clearcut areas will be planted with a Douglas-fir/cedar mix.

Treatment of competing vegetation may be necessary a few years after planting. This treatment probably will be hack and squirt.

Areas 5 & 7: Heavy Thinning. Thin to an RD of about 20-25, counting only conifer trees over 10.0 inches. Leave the largest conifer and all the hardwood. Approximately 40 trees per acre averaging 22 inches DBH will be left. No brush control or underplanting is planned at this time. Existing snags will be left if not hazardous. The next commercial entry will be at least 15 years in the future.

All Areas: Down Wood. SLI shows the stand currently has 3700 cubic feet per acre total of down wood, including 300 cu ft/ac of decay class 1 and 2. Additional down wood will come from broken pieces and missed logs. No trees will be felled specifically to create additional down wood.

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: 4			

	Conifer	Hardwood	Total
Net Volume (MBF)	5032	0	5032
Stumpage Value (\$/MBF)	\$125	NA	
Estimated Gross Value	\$629,000	0	\$629,000
		Project Costs:	\$32,000
		Estimated Net Value:	\$597,000

VI. TRANSPORTATION PLANNING AND HARVESTING:

About 60% of the partial cut units can be tractor logged, but most of the clearcut acres are cable.

Approximately 1.7 miles of new construction will be required and 0.8 miles of road reconstruction/improvement on the currently decommissioned 17-8-13.2 and 17-8-13.2.1 roads. All new construction will be low use spur roads and no

rocking is required. However, the Purchaser will have the option of rocking roads at their own expense.

All road construction and improvement is on gentle to moderate ground.

Gates will be installed at the 17-8-13.2/13.1 junction and the junction of Spur 2a with the Nelson Mountain County Road. These roads are dirt, and need to be protected to ensure they remain passable for ODF fire control and forest management activities. Spur 4 and 5 will be waterbarred and blocked with tank traps. The sale area will be open to the public and blocked and gated roads may be used by hikers and bikers.

Several spurs require R/W from BLM.

Table 5. Transportation Planning Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	1.2	0.6
Improve	0	0.8	0	0
Maintain	0	1.5	1.2	0.6
Close/Block	0	0	0	0.6

VII. AQUATIC RESOURCES AND WATER QUALITY:

The sale area contains small streams. Portions of the stream between Areas 1 and 2 and the stream between 2 and 6 are Type F. In the clearcuts, 100 foot no cut buffers have been excluded from the sale except in two places described below. In addition, at least 15 conifer per acre between 100 and 170 feet of the streams will be retained.

In the areas adjacent to Type N streams a no-cut buffer averaging about 40 feet will be left. This buffer will include 4 dominant or co-dominant conifers per 100 feet as required by the *Norwest Oregon Forest Management Plan*. 80% shade over the aquatic zone will be achieved by retaining all hardwoods, non-merch trees, and other conifers as required for perennial Type N streams within 500 feet of a Type F stream.

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. Surveys for NSO's have taken place in this area over several years and are continuing in 2009. As a result of these surveys to date, 1 northern spotted owl site has been identified within 1.5 miles of this sale.

A preliminary Biological Assessment was prepared by the ODF SOA Biologist. A final BA will be prepared to ensure that appropriate measures are taken to provide sufficient habitat on the landscape consistent with ODF's policy on northern spotted owls.

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 a few isolated short pitches over 70% slope, but in general the terrain is moderate. No houses or public roads are threatened. Road construction will avoid these locations.

X. RECREATION RESOURCES:

Hunters, mushroom and brush pickers, and backroad drivers occasionally use the 17-8-13, 17-8-13.1, and Nelson Creek Roads. New roads will increase recreational opportunities for hiking and for recreational vehicles other than cars and pickups.

XI. CULTURAL RESOURCES:

No cultural resources sites are known to exist within the sale area. However, a homestead cabin existed NW of Area 4 across Nelson Creek, and portions of the sale area were part of a homestead claim. During sale preparation, the foresters were alert for any evidence of homestead activity, but found none within the sale boundaries.

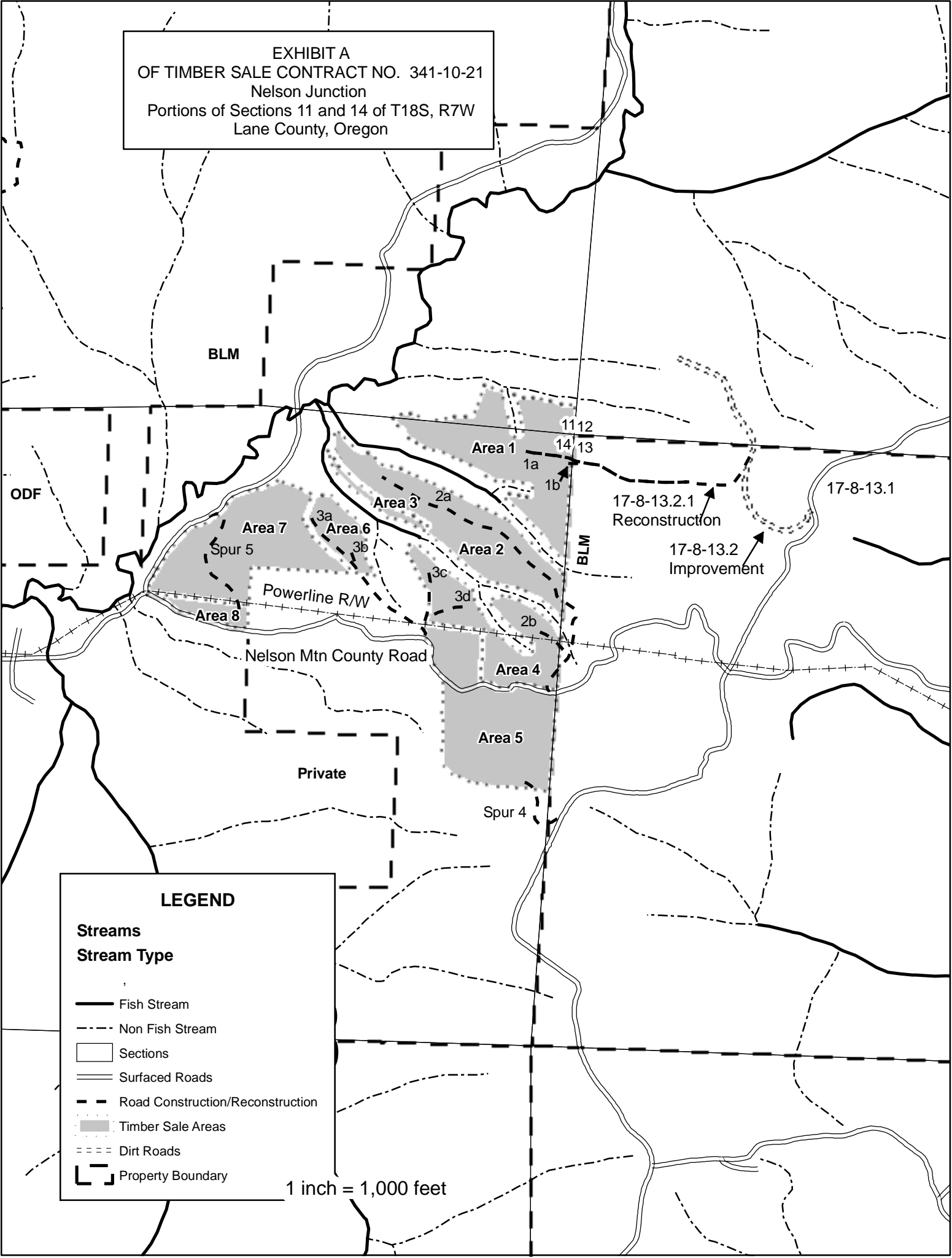
XII. SCENIC RESOURCES:

Some Areas will be visible from the Nelson Mountain County Road. No adverse reaction is expected due to historic management activities by other owners up and down the county road.

XIII. OTHER RESOURCE CONSIDERATIONS:

The sale area is bisected by telephone and power lines.

EXHIBIT A
 OF TIMBER SALE CONTRACT NO. 341-10-21
 Nelson Junction
 Portions of Sections 11 and 14 of T18S, R7W
 Lane County, Oregon



LEGEND

Streams

Stream Type

— Fish Stream

- - - Non Fish Stream

□ Sections

— Surfaced Roads

- - - Road Construction/Reconstruction

■ Timber Sale Areas

- - - Dirt Roads

□ Property Boundary

1 inch = 1,000 feet