

Popo Roadside Thin NARRATIVE

Description of Sale Area

This sale consists of one unit totaling 36 acres and will be sold as a ton sale and scaled 100% weight. There is an estimated 2,497 tons (765 ccf or 404 mbf) in this sale.

General Location

This sale is approximately 20 miles southeast of Florence, Oregon along Forest Service Road 4830 and is in the Maple and Fiddle watersheds.

Routes of Access

Sale is appraised to Noti, Oregon via Highway 126, County Road 5036 (Sweet Creek Road) and National Forest System roads 4800 and 4830.

Relation to Other Sales

4830 Roadside Salvage is an adjacent sale on road 4830 that is currently under contract.

Marking and Boundary Description

The sale starts at the junction of Forest Service Roads 4800 and 4830 and continues approximately 7 miles along road 4830. All trees marked with blue tracer paint are designated cut trees. Subdivision boundaries are generally within 35 feet slope distance of the centerline of the travel way on the uphill side of the road and within 25 feet slope distance of the centerline of the travel way on the downhill side of the road. Boundary corners are flagged with yellow ribbon and tagged with blue boundary tags and orange tracer paint. Trees painted with orange tracer paint are designated leave trees.

Logging

This sale is appraised for shovel logging. All mechanized heavy equipment shall remain on the road prism. Traffic shall be blocked along road 4830 during all harvest activities and shall remain intermittently passable to traffic. Directional felling is required.

Roads and Other Developments

No temporary roads or landings are planned.

Road Maintenance

Purchaser will be responsible for prehaul, routine, seasonal, and post haul maintenance on system roads except for portions of road 4800 where a deposit will be collected for road maintenance. Approximately 170 cubic yards of spot rock will be needed on system roads. Specific requirements to prevent the spread of invasive species are included in the road maintenance specifications.

Slash Disposal

ALL TREES DAMAGED DURING PURCHASER OPERATIONS THAT ARE NOT INCLUDED TIMBER AND ARE LESS THAN 7 INCHES DBH SHALL BE CUT WITHIN 35 FEET SLOPE DISTANCE OF THE CENTERLINE OF THE TRAVEL WAY ON THE UPHILL SIDE OF THE ROAD OR TO THE TOP OF THE CUT BANK, WHICHEVER IS GREATER AND WITHIN 25 FEET SLOPE DISTANCE OF THE CENTERLINE OF THE TRAVEL WAY ON THE DOWNHILL SIDE OF THE ROAD OR 10 FEET FROM THE ROAD EDGE ON THE DOWNHILL SIDE, WHICHEVER IS GREATER. Trees greater than 3 inches shall be decked for disposal by the Forest Service. Slash/trees less than 3 inches within 25 feet of the road edge shall be piled or scattered.

Others

Seasonal restrictions apply. See contract for details.
Equipment cleaning is required before entering the sale area.

SALE VOLUME SUMMARY

Volume Summaries By Unit

Sale Name: Popo Roadside Thin

UNIT 1		Total Acres: 36		
Species	TONS	CCF	MBF	% Sale Volume
Douglas fir	1594	508	275	64
Red Alder	651	185	92	26
Western Hemlock	156	46	24	6
Big Leaf Maple	46	9	4	2
Western Red Cedar	46	16	8	2
Sitka Spruce	4	1	1	<1
TOTAL	2497	765	404	100

USDA - FOREST SERVICE
 Stewardship: N

REPORT OF TIMBER SALE
 APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)
 Version 1431 (TEA 08-14)

Region: 06
 Forest: 12 Siuslaw
 District: 08 Central Coast
 Salvage: N

Sale Name: Popo Roadside Thin
 Sale Number: 15801
 Appraise to: Noti, Oregon
 Appraiser: T Devenport

Appraisal Date: 09/16/14
 Base Period Ending: 06/30/14
 Competition Factor: 10%
 Essential KV Cost: 0

SELLING PRICES	1	2	3	4	5	6	7	Average	Total
1. Species	D-fir	W Hem	Alder						
2. Species Code	205	263	350						
3. Product/Unit	01-03	01-03	01-03						
4. Volume	525	47	194						766
5. Base Period Price	75.02	68.38	65.73					72.26	
6. Base Period Index	214.41	198.40	88.40					181.51	
7. Current Index	211.73	192.33	88.40					179.30	
8. Rapid Market Adj	2.60	5.20						2.10	
9. Market Adj BP Price	74.94	67.51	65.73					72.15	
10. Unusual Adjustment	-81.07	-81.07	-81.07					-81.07	
11. GBCv-Nonsaw Adj									
12. Product Quality Adj	15.00	15.00	-15.00					7.40	
13. Adj Base Period Price	8.87	1.44	-30.34					-1.52	-1,161.53

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost	ROADS	Km	Miles	Cost
14. Stump to Truck	151.90	98.70	53.20	Specified Road Con			
15. Haul/Scale	30.44	33.03	-2.59	Specified Road Rec			
16. Road Maintenance	9.05	16.52	-7.47	Temporary Road Con			
17. Contract	14.86	15.46	-.60	Haul Miles		44	
18. Development & Other	4.15		4.15				
19. Road Const & Recon							
20. Total (lines 14-19)	210.40	163.71	46.69	DEPOSITS:	Br Disp/UM 5.41	Rd Mtc/UM 2.21	C(T)5.213#

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total
21. Predicted Bid Rate	55.56	48.13	16.35					45.17	34,603.01
22. Competition Adjustment	5.56	4.81	1.64					4.52	3,463.23
23. Property Value									
24. Indicated Adv Rate	50.00	43.32	14.71					40.65	31,139.78
25. Base Rate	3.00	3.00	1.00					2.49	1,910.00
26. Adjustment									
27. Advertised Rate	50.00	43.32	14.71					40.65	31,139.78

12.47/ton
 0.76/ton
 12.47/ton

CCF to MBF Rate Factors: 1.8617 1.8800 2.0208 1.9007
 CCF to MBF Volume Factors: .5371 .5319 .4948 .5261
 MBF to CCF Index Factors: .52 .52 .52
 CCF Base Index for A(T)5a:
 CCF Wtd Avg Del Log Price: 358.06 301.18 304.03
 MBF Volume: 282 25 96 403
 Total Tons Removed: 1,594 206 697 2,497

Net CCF to Tons Conversion Factor for C8.3#(Option 1) or K-I.3.1#: 3.2598 DEPOSITS/Ton BD: 1.66 RM: 0.68

PRODUCT QUALITY ADJUSTMENT - OREGON WESTSIDE

Use with Appraisal Update #8-14

Sale Name: **Popo Roadside Thin**

Date: **09-Sep-14** (mm/dd/yy)

Species Group #1	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
205	5.0" - 7.99"	#4 sawmill	580.00	37	85	256.86	-76.80
	8.0"-11.99"	#3 sawmill	669.00	98	196	333.66	0.00
	12.0"-17.99"	#2 sawmill	674.00	125	211	400.07	66.40
	18.0" - 30.0"	special mill	721.00	22	33	494.41	160.74

\$/ton Avg	Avg lb per cf	Volume CCF
25.00		

BPP for chips = **0.00** /ccf

(insert as override on TEA input screen)

under BPP/CCF for products 08 and 20)

Weighted average Product Quality Adjustment (PQA) for Species Group #1 = 15.00 /ccf

Weighted average delivered log price for Species Group #1 = 358.06 /ccf (enter on TEA input screen as Log Pr/CCF)

Species Group #2	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
263,264,108 true firs spruces	5.0" - 7.99"	#4 sawmill	517.00	4	9	228.27	-40.93
	8.0"-11.99"	#3 sawmill	562.00	7	15	269.21	0.00
	12.0"-17.99"	#2 sawmill	587.00	10	17	338.55	69.34
	18.0" - 24.0"	special mill	587.00	4	6	391.68	122.47

Weighted average Product Quality Adjustment (PQA) for Species Group #2 = 15.00 /ccf

Weighted average delivered log price for Species Group #2 = 301.18 /ccf (enter on TEA input screen as Log Pr/CCF)

Species Group #3	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
242	< 12.0"	#4 sawmill	camprun				
	12.0"-23.99"	#3 sawmill	962.00			500.24	0.00
	24.0"+	#2 sawmill	0.00				

Weighted average Product Quality Adjustment (PQA) for Species Group #3 = 0.00 /ccf

Weighted average delivered log price for Species Group #3 = 0.00 /ccf (enter on TEA input screen as Log Pr/CCF)

Species Group #4	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
Red Alder, Big Leaf Maple 350, 312	5.0"-9.99"	If this table is used, → entry needed here	556.00	51	112	253.44	-105.52
	10.0"-11.99"		644.00	29	52	358.96	0.00
	12.0"+		694.00	17	30	397.29	38.33

Weighted average Product Quality Adjustment (PQA) for Species Group #4 = -15.00 /ccf

Weighted average delivered log price for Species Group #4 = 304.03 /ccf (enter on TEA input screen as Log Pr/CCF)

Species Group #5	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

Weighted average Product Quality Adjustment (PQA) for Species Group #5 = 0.00 /ccf

Weighted average delivered log price for Species Group #5 = 0.00 /ccf (enter on TEA input screen as Log Pr/CCF)

Species Group #6	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

Weighted average Product Quality Adjustment (PQA) for Species Group #6 = 0.00 /ccf

Weighted average delivered log price for Species Group #6 = 0.00 /ccf (enter on TEA input screen as Log Pr/CCF)

* Industry grade used to associate minimum dib and delivered log price. Volume comprises mostly the representative grade, but also may include material of other grades.

PRODUCT QUALITY ADJUSTMENT
Combining Species into Appraisal Groups
Determining Weighted Average Delivered Log Price for the Sale
 Use with Appraisal Update #8-14

Sale Name: **Popo Roadside Thin**

Date: **09-Sep-14**

Combining Species into Appraisal Groups (for entry into the TEA input screen)

Geographic Area	<i>Type a "1" into desired cells to combine species into an appraisal group</i>						Combined Prod Qual Adj	Combined Del Log Price
	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6		
Ore West	1	1					15.00	353.40
Ore East								
Wash West								
Wash East								

Determining Weighted Average Delivered Log Price for the Sale (for use in analyzing advertised rates)

Geographic Area	<i>Type a "1" into all cells with volume</i>						Wt Avg Delivered Log Price for the Sale
	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6	
Ore West	1	1		1			340.89
Ore East							
Wash West							
Wash East							

Enter the Combined Product Quality Adjustment on the TEA input screen under PQA/CCF for the main species in the appraisal group. Enter the Del Log Price under Log Pr/CCF on the TEA input screen for the main species in the appraisal group. Use the weighted average delivered log price for the sales to analyze advertised rates, per R6 FSH 2409.22 Appraisal Handbook. **Refer to the PQA User Guide for more information on the calculation and use of delivered log prices.**

*** Click the "Erase" button above to delete all species combination data ***
*** Press the "Delete" key in appropriate cell to erase individual cell input ***

Appraisal Reminder - When combining species, a weighted average Base Period Price needs to be calculated. Use the table below to calculate a weighted average BPP for the appraisal group.

The Erase Data button erases Forest number, Salvage, and Species Code and Species Volume (CCF) in the table.

Forest number = 12
 Salvage?? = 1 (1=no, 2=yes)
 Appraisal zone = 5

Appraisal Update #8-14

teacost.dat file (TEA 08-14)

The Appraisal Update # and teacost.dat file date **MUST BE THE SAME** in calculating a weighted

Species Code	Species Vol (CCF)	BPP from TEACOST.DAT
205	524.00	75.02
263	47.00	68.38
350	194.00	65.73
Total or Avg	765.00	72.26

Species Code	Species Vol (MBF)
205	283.00
263	25.00
350	96.00
Total	404.00

Enter MBF volume from Species Group

Logging Cost Summary - Estimated Stump To Truck Cost

Summary By Sale And Logging System

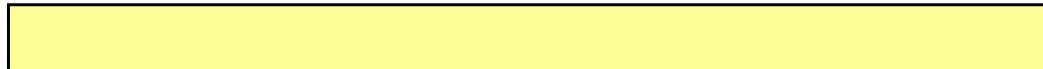
Logging System	Vol Type	Total Volume	Stump-truck \$/vol	Estimated Seasons
Skyline		0	0.00	0
Mechanized		0	0.00	0
Tractor		0	0.00	0
Shovel	ccf	764	98.70	3
Helicopter (1)		0	0.00	0
Sale-as-a-whole		764	98.70	

ovhd=6.18/ccf or 11.89/mbf, p&r=2% of costs included (except helicopter)

includes biomass:

\$/saw timber

Est biomass cost		Estimated total number <u>operating</u> days for sale	28
Include biomass in sale-as-a-whole?	<input type="checkbox"/>	Variable shutdown cost (all systems, if any) \$/vol	
		Include variable shutdown in sale-as-a-whole?	<input type="checkbox"/>



Include Chipper?

Hours Used

Haul-\$'s

Select *helicopter alternative*

Helicopter (1)

Sale: Popo Roadside Thin

Date: 8/25/14

LOGCOST Version **12.01**

Report summary
table above in tons



HAUL COST APPRAISAL - APPRAISAL SUMMARY

Version 7.2, XL 2007 12/1/2009b

Sale name: Popo Roadside Thin

Geo. area: OR

Date: 15-Sep-14

Cost type	Average trip rtm's	CCF per load	Tot rtm's per day	Total OT rtm's	CCF vol per day	Gross cost per day	Net cost per day	Net cost per ccf	Net \$/ccf w/inflation
w/o scale									
with scale	265.0	8.0	582.0	102.0	17.57	530.09	557.99	31.76	33.03

<<Scaling cost is included in the total haul cost below>>



Include scale cost in final haul cost

Yes

Total haul cost, \$/ccf = **\$33.03**

180 minutes

Volume Type...
CCF

Sale or Haul Narrative

[Empty yellow box for narrative]

Scale cost: \$75.20

**Engineering Notes for Popo Roadside Thin – 4830 Road
9/15/2014**

A. Haul route roads:

The haul routes for this sale are on National Forest System (NFS) road 4830 starting from the sale unit and going east to NFS road 4800 to Lane County Roads 5036, locally known as Sweet Creek Road. Log haul has been appraised to Noti, Oregon. The 4800 and 4830 are listed as key roads under the Siuslaw travel management and roads analysis.

Road reconstruction of roads 4800 and 4830 is not required with the sale contract. The purchaser has responsibilities for all maintenance. Spot rock is included and appraised for. There are no other Forest Service sales under contract at this time that would share haul routes.

B. System and temporary roads –season of haul, road protection and truck assist.

See logging feasibility report (LFR) for details.

There are no temporary roads or truck assist identified for use with this sale. As roadside salvage, trees will be felled and yarded to the 4830 from short distances off the road. The 4830 road is appraisal for all season haul, however, felling and yarding may limit the operating season. See contract for operating season and coordinate extended haul season with district resource specialists.

Yarding trees off cut slopes may require additional slough and slide clean up with end haul. A maintenance allowance for cleaning an existing slough and slide at approximate milepost 4.75 is appraised below under section F. Additional spot rock is included for saddle areas which have larger potholes and running surface damage.

C. Unit Notes:

Unit 1: The unit in this sale starts at Mile Post 4.0 on the 4830 as measured from County Road 5330 and ends at the junction of the 4800. Mileages are approximate.

C. Pre and post sale operational status for the system roads:

Road #	Presale status	Post sale planned status	Waterbars/berms
4800	Key road, open	Key, open	None / None
4830	Key road, open	Key, open	None / None

D. Log Haul Operating season and Haul routes.

Unit Number	Planned Haul Route	Engineering Log Haul Operating season *
1	4830 → 4800 → County Road 5036 (Sweet Creek Road) → Hwy 126 → Noti	All season

* Dry season is June 15 – October 15

E. Additional Timber sale provisions:

All system roads will have a “R” C5.12 restricting haul after rain accumulation exceeds one inch within a 24 hour period.

F. Additional pre-haul maintenance costs appraised for: 8 hours of excavator and dump truck for slough and slide removal with end haul at \$300 / hour = **\$2,400.**

Rob Sanders
Transportation Planner
Siuslaw National Forest

ROAD MAINTENANCE WORKSHEET

Sale Name:	Popo Roadside Thin		765.0	CCF Volume	1.27	% OH	
					Purchaser	Co-op	
		Termini		CCF	Work	Deposits	
Road	From	To	Miles	Volume	0.87	0.87	Remarks
4830	Unit 1	Road 4800	3.27	765.0	0.87		Unit Centroid
4800	Road 4800	LAN 5036 (Sweet Cr. Rd)	3.05	765.0	0.00	0.57	
LAN 5036	LAN 5036 (Sweet Cr. Rd)	Hwy 126	10.42	765.0	0.00		
U.S.126	Jct LAN 5036/ Hwy126	Noti	27.00	765.0	0.00		
			43.74				
		Total \$	\$/CCF			43.74	Weighted Miles
	Purchaser Maint		2,763.96	3.61			
	Misc Maint. (see Eng. Notes)		2,400.00	3.14			
	Spot Rock (see worksheet)		5,780.00	7.56			
	Co-op Deposits		1,689.04	2.21			
	Totals		12,633.00	16.52			

Sale Name: Popo Roadside Thin

Spot Rock Replacement Cost Worksheet

Road No.	Miles	cuyd of rock/mi	Total cuyd rock/road	\$/cuyd	Total
4830	6.55	25	170	\$34.00	\$5,780.00
4800	3.05	0	0	\$34.00	\$0.00
Waterbars	0 waterbars	3 cy/waterbar	0	\$34.00	\$0.00
Totals	9.60		170		\$5,780.00

Detailed listing of Brush Disposal Activities (Working Copy)	(1) Proclaimed Forest Siuslaw	(2) District/Unit Central Coast Ranger District
(3) Sale Name POPO ROADSIDE THIN(15801)	(4) Award Date	(5) Compartment Or GIS Reference
(6) Type of Plan <input checked="" type="checkbox"/> Original <input type="checkbox"/> Final <input type="checkbox"/> Revision #	(7) Purchaser	(8) Contract Number

(9) List of Activity Fuels Treatment Projects		Local Qualifier	(10) Work Activity	(11) Unit of Work	(12) Cost Per Unit	(13) Projects by Fund Code			(14) BD Funded Pojects	
a) Subunit	b) Activity					a) Fund Code	b) No. of Units	c) Total Cost	a) No. of Units	b) Total Cost
061208BD15801000000	Fuel Inventory	N/A	HF	Acres	\$9.18	BDBD	36.0	\$330	36.0	\$330
061208BD15801000000	Burning of Piled Material	N/A	HF	Acres	\$72.16	BDBD	36.0	\$2,598	36.0	\$2,598
Subtotal for Fund Code BDBD								\$2,928		
061208BD15801000000	Rearrangement of Fuels	N/A	HF	Acres	\$200.00	PPPP	36.0	\$7,200		
061208BD15801000000	Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$13.60	PPPP	36.0	\$490		
Subtotal for Fund Code PPPP								\$7,690		
15. Total BD work funded										\$2,928
16. National Program Support										\$1,209
17. Total Cost of Funded Work (Sum of line 15 and 16)(Required Bid Deposit Amount)										\$4,138

18. Remarks:	Combined Total Cost of BD Funded Work: \$4,138
	Forest Collection Rate: Assessment included in unit cost
	National Collection Rate for Program Support: 41.3%
	Inflation Rate: 2%
	Rate Remarks:
	PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.

Popo Roadside Thin BD Appraisal Narrative
 NEPA: Road Windthrow and Hazard Tree Removal EA (41452)
 Sale #: 15801
 Preparer: Chris Waverek

FACTS Activity Code	FACTS Description	Actual Activity (as performed on the ground)	Planned Units in FACTS (acres)	Planned Unit on the ground
1100	Fuel Inventory	Fuels assessment, monitoring, writing burn plans.	16	36 acres
1130	Burning of Piled Material	Burning of machine piles on landings. Pile totals are calculated by assuming one pile per landing on open roads.	16	Burn 14 piles
1153	Piling of Fuels, Hand or Machine	Covering the piles with a 10X10 piece of plastic.	16	Cover 14 piles
1150	Rearrangement of Fuels	Roadside treatments which include: burning of piles, chipping, mastication or scattering.	16	36 acres

Required Activities Per Unit-

Payment Unit 1:

Piles-

- Pile, cover and burn 14 machine piles on FSR 4830.

Roadside-

- Treat logging slash 25 feet from the edge of FS Road 4830 into the unit, for a total of 36 acres. Treatment methods may include: Directional felling of trees away from roads, piling and burning hand and machine piles, or mechanical treatment—chipping, mastication, and scattering. High cut banks (with no slash) can be considered adequate fuel breaks.

Wildland Urban Interface-N/A

*All accomplishment reporting in FACTS is in acres. The dollar amount for treating the unit is calculated by determining the per pile dollar amount and multiplying that amount by number of piles. The total dollar amount is then divided by total acreage to get a dollar per acre figure.

For Example: It is estimated that on the 4830 Popo Roadside Thin there will be 14 landing piles to burn. The cost per pile for this sale is \$175 which is multiplied by 14 piles= \$2450 total to burn the estimated number of piles.

Dollar per acre is calculated by: \$2450 total pile burning cost /36 total acres=\$68.00/acre