

TIMBER SALE APPRAISAL

Siuslaw National Forest Central Coast Ranger District

Weist Thin

(Sale Name)

14802

(SALE Number)

West Alsea EA

(EA/EIS/CE)

Weist Thin NARRATIVE

Description of Sale Area

This sale consists of 8 commercial thinning subdivisions totaling 342 acres and will be sold as a ton sale and scaled 100% weight. There is an estimated 32,140 tons (9,677ccf or 4,856mbf) in this sale.

General Location

This sale is approximately 8 miles southwest of Waldport, Oregon along Forest Service Roads 5300 and 5313 and is in the West Alsea watershed.

Routes of Access

Sale is appraised to Toledo, Oregon via Highways 34, 101, and 20, Eckman County Road 712 and National Forest System roads 5300, 5313 and their tributaries.

Relation to Other Sales

Hee Hawes Thin is an adjacent sale.

Marking

Subdivision boundaries are flagged with yellow ribbon and tagged with blue boundary tags. Boundary trees are marked with orange tracer paint. All subdivisions are designation by description. Subdivisions 1, 3, 5, 6, 7 and 10 include ½ acre and 1 acre gaps. Gap centers are identified by a leave tree with a pink tracer paint band at DBH and a mark on the stump.

Logging

This sale is appraised for 70% skyline yarding and 30% ground-based yarding. Ground-based yarding will not be allowed on slopes greater than 30%. Elevated tailholds and intermediate supports will be needed to meet yarding objectives. Some downhill yarding is required. Directional felling is required. Full suspension is required when yarding across streamcourses.

Roads and Other Developments

Approximately 2.66 miles of temporary roads and 70 landings are planned. Rock will be needed for temporary roads at the approach to all season system roads. 680 cubic yards of rock was appraised for temporary roads and 490 cubic yards of rock was appraised for landings.

Road Maintenance

Purchaser will be responsible for prehaul, routine, seasonal, and post haul maintenance on system roads except for portions of roads 5300 where a coop deposit of \$0.15/Ton will be collected for road maintenance. 640 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.

Specified Road Reconstruction

There is specified reconstruction for roads 5300 and 5313 with a total of 5.34 miles. The road completion date is 10/31/2015.

Erosion Control

Purchaser will be required to block temporary roads, install waterbars on landings, skid trails, and temporary roads, and seed landings, skid trails and temporary roads. A coop deposit of \$.05/ton will be required for the cost of the seed that will be provided by the Forest Service.

Slash Disposal

Purchaser shall scatter or pile and cover landing slash where present. Purchaser shall treat logging slash in subdivisions 2 and 4 within 25 feet of FS road 5300. Forest Service will burn piles. A slash disposal deposit of \$0.46/Ton will be required.

Scaling

The sale will be scaled by 100% weight and paid for by the ton. Purchaser shall request an alternate scaling site and enter into a "Weighing Service Agreement". Any load for which no weight ticket is furnished shall be considered a lost sample load with a weight equal to the weight of the heaviest load presented during the billing period, as established by the Forest Service, C6.851.

Others

Haul restriction typically listed in C6.315# - Sale Operations Schedule, have been relocated to C5.12# - Use of Roads.

Corporations submitting an offer under this solicitation must include form AD-3030-FS *Representations Regarding Felony Conviction and Tax Delinquent Status for Corporate Applicants*.

FS Road 5300311 is currently closed by a locked gate at the junction with road 5300. Continued access by secondary lock for private land owner is required. Contact the Forest Service for gate access.

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: **Weist Thin**

TIM Conversion			0.3011	0.1511		
Unit No.	Acres	TONS	CCF	MBF	% Sale Volume	TON Vol/Ac
1	10	876	264	132	3	88
2	7	849	256	128	3	121
3	58	7033	2118	1063	22	121
4	24	2102	633	318	7	88
5	33	2890	870	437	9	88
6	87	7619	2294	1151	24	88
7	14	1226	369	185	4	88
10	109	9545	2873	1442	30	88
TOTAL	342	32140	9677	4856	100	94

Species	TONS	CCF	% Sale Volume
Douglas fir	23,689	7,144	74
Hemlock	8,451	2,533	26
TOTAL	32,140	9,677	100

USDA - FOREST SERVICE
Stewardship: N

REPORT OF TIMBER SALE
APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)
Version 1411 (TEA 02-14)

First Run
for Ad Analysis
Final Run

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

Sale Name: Weist Thin
Sale Number: 14802
Appraise to: Toledo, OR
Appraiser: T.Devenport

Appraisal Date: 02/27/14
Base Period Ending: 12/31/13
Competition Factor: 10%
Essential KV Cost: 0

SELLING PRICES	1	2	3	4	5	6	7	Average	Total
1. Species	D-fir	W Hem							
2. Species Code	205	263							
3. Product/Unit	01-03	01-03							
4. Volume	7,144	2,534							9,678
5. Base Period Price	45.02	42.34						44.32	
6. Base Period Index	221.87	195.99						215.09	
7. Current Index	232.05	199.06						223.41	
8. Rapid Market Adj									
9. Market Adj BP Price	55.20	45.41						52.64	
10. Unusual Adjustment									
11. GBCV-Nonsaw Adj									
12. Product Quality Adj	-1.68	-3.64						-2.19	
13. Adj Base Period Price	53.52	41.77						50.44	488,192.06

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost	ROADS	Km	Miles	Cost
14. Stump to Truck	154.15	144.64	9.51	Specified Road Con			
15. Haul/Scale	35.03	27.65	7.38	Specified Road Rec	8.60	5.34	228,179
16. Road Maintenance	8.82	6.06	2.76	Temporary Road Con	4.28	2.66	27,805
17. Contract	18.41	2.37	16.04	Haul Miles		35	
18. Development & Other	3.72	5.30	-1.58				
19. Road Const & Recon		23.58	-23.58				
20. Total (lines 14-19)	220.13	209.60	10.53	DEPOSITS:	Br Disp/UM 1.52	Rd Mtc/UM .49	C(T)5.213# 29,453.00

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total
21. Predicted Bid Rate	64.05	52.30						60.97	590,101.40
22. Competition Adjustment	6.41	5.23						6.10	59,045.86
23. Property Value									
24. Indicated Adv Rate	57.64	47.07						54.87	531,055.54
25. Base Rate	3.00	3.00						3.00	29,034.00
26. Adjustment									
27. Advertised Rate	57.64	47.07						54.87	531,055.54

CCF to MBF Rate Factors: 1.9889 2.0079 1.9938
 CCF to MBF Volume Factors: .5028 .4980 .5015
 MBF to CCF Index Factors: .52 .52
 CCF Base Index for A(T)5a:
 CCF Wtd Avg Del Log Price: 364.93 287.39
 MBF Volume: 3,592 1,262 4,854
 Total Tons Removed: 23,725 8,415 32,140

Net CCF to Tons Conversion Factor for C8.3#(Option 1) or K-I.3.1#: 3.3209 DEPOSITS/Ton BD: 0.46 RM: 0.15 EC: 0.05

PRODUCT QUALITY ADJUSTMENT - OREGON WESTSIDE

Use with Appraisal Update #2-14

Sale Name: Weist Thin

Date: 27-Feb-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	629.00	681	1,533	279.42	-87.20
	8.0"-11.99"	#3 sawmill	740.00	1,842	3,718	366.62	0.00
	12.0"-17.99"	#2 sawmill	763.00	1,069	1,893	430.88	64.26
	18.0" - 30.0"	special mill	814.00				

\$/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 = -1.68 /ccf

Weighted average delivered log price for Species Group #1 = 364.93 /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	491.00	321	702	224.52	-66.51
	8.0"-11.99"	#3 sawmill	591.00	651	1,322	291.03	0.00
	12.0"-17.99"	#2 sawmill	641.00	290	510	364.49	73.46
	18.0" - 24.0"	special mill	641.00				

Weighted average Product Quality Adjustment (PQA) for Species Group #2 = -3.64 /ccf

Weighted average delivered log price for Species Group #2 = 287.39 /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	1,000.00			520.00	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
		If this table is used, → entry needed here				0.00	

Weighted average Product Quality Adjustment (PQA) for Species Group #4 = 0.00 /ccf

Weighted average delivered log price for Species Group #4 = 0.00 /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 #2-14

Sale Name: Weist Thin

Date: 27-Feb-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								
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					344.63
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 =
 Salvage?? = (1=no, 2=yes)
 Appraisal zone =

Appraisal Update #2-14

teacost.dat file (TEA 01-14)

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

Species BPP Weighting Table

Species Code	Species Vol (CCF)	BPP from TEACOST.DAT
Total or Avg	0.00	0.00

MBF Volume Table

Species Code	Species Vol (MBF)
Total	0.00

Enter MBF volume from Species Group

Logging Cost Summary - Estimated Stump To Truck Cost

Summary By Sale And Logging System

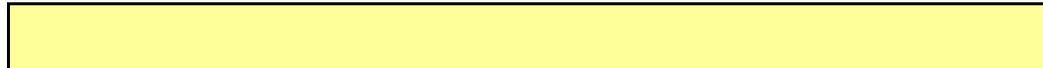
Logging System	Vol Type	Total Volume	Stump-truck \$/vol	Estimated Seasons
Skyline	ccf	6,729	155.95	3
Mechanized		0	0.00	0
Tractor	ccf	4,701	128.44	3
Shovel		0	0.00	0
Helicopter (1)		0	0.00	0
Sale-as-a-whole		11,430	144.64	

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	344
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: Weist Thin
Date: 1/30/14

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: Weist Thin

Geo. area: OR

Date: 30-Jan-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
<i>w/o scale</i>									
<i>with scale</i>	225.0	8.0	582.0	102.0	20.69	522.59	550.09	26.58	27.65

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



Include scale cost in final haul cost

Yes

Total haul cost, \$/ccf = **\$27.65**

140 minutes

Volume Type...
CCF

Sale or Haul Narrative

[Empty yellow box for narrative]

Scale cost: \$88.57

ROAD MAINTENANCE WORKSHEET

Sale Name:	Weist Thin		9,678	CCF Volume	1.27	% OH	
			32,140	Tons			
	Termini			CCF	Purchaser	Co-op	
				Work	Deposits		
Road #	From	To	Miles	Volume	0.91	0.91	Remarks
5300000	Temp Spur to Landing 4B	Landing 4A	0.46	506.00	0.61	0.30	4/5 th Unit 4
5300000	Landing 4A	531300	1.15	633.00	0.61	0.30	Unit 4
5313000	Landing 10A	Temp spur to Landing 10D	0.06	281.00	0.91		1/2 Unit 7, 1/30th Unit 10
5313000	Temp spur to Landing 10D	5313413	0.58	2061.00	0.91		1/9th Unit 6, 1/2 Unit 10, Unit 7
5313413	Landing 10O	Temp spur to Landing 10P	0.45	958.00	0.91		1/3 Unit 10
5313413	Temp spur to Landing 10P	531300	0.25	1437.00	0.91		1/2 Unit 10
5313000	5313413	Temp spur to Landing 6K	0.79	4390.00	0.91		1/2 Unit 6, Units 7 & 10
5313000	Temp spur to Landing 6K	Temp spur to Landing 5H	0.54	4825.00	0.91		1/2 Unit 5, 1/2 Unit 6, Units 7 & 10
5313000	Temp spur to Landing 5H	5313412	0.58	5613.00	0.91		1/6 Unit 3, 1/2 Unit 6, Units 5, 7 & 10
5313412	Temp spur to Landing 6G	Temp spur to Landing 3M	0.44	1147.00	0.91		1/2 Unit 6
5313412	Temp spur to Landing 3M	5313000	0.16	2235.00	0.91		2/3 Unit 6, 1/3 Unit 3
5313000	5313412	5300000	0.66	9158.00	0.91		Units 3, 5, 6, 7 & 10
5300000	5313000	5300311	0.36	9414.00	0.61	0.30	Units 2, 3, 4, 5, 6, 7 & 10
5300312	Landing 1A	5300311	0.40	88.00	0.91		1/3 Unit 1
5300311	Landing 1B	5300312	0.26	88.00	0.91		1/3 Unit 1
5300311	5300312	5300000	0.34	263.00	0.91		Unit 1
5300000	5300311	Co. Road 712	0.83	9677.00	0.61	0.30	All Units
Co. Road 712	5300000	State Hwy 34	1.70	9677.00			
State Hwy 34	Co. Road 712	State Hwy 101	3.00	9677.00			
State Hwy 101	State Hwy 34	State Hwy 20	18.00	9677.00			
State Hwy 20	State Hwy 101	Toledo	9.00	9677.00			
			40.01				
		Total \$	\$/CCF	\$/Ton		34.88	Weighted Miles
	Purchaser Maint	30,840.53	3.19	0.96			
	Misc Maint. (see Eng. Notes)	4,550.00	0.47	0.14			
	Spot Rock (see worksheet)	18,435.00	1.90	0.57			
	Co-op Deposits	4,717.41	0.49	0.15			
	Totals	58,542.94	6.05	1.82			

Temporary Road and Landing Cost Worksheet										
Sale Name: Weist Thin								9,678	CCF volume	
Unit No. or temp road identifier	Temporary Roads					Landings				Remarks
	Length (Feet)	Cost for Re-open or New	Rock (cuyd)	Rock Cost \$/cuyd	Total Road Cost	Landing Costs	Rock (cuyd)	Rock Cost \$/cuyd	Total Landing Cost	
1A	0	\$0	0	\$34.50	\$0.00	\$75	10	\$34.50	\$420.00	
1B	0	\$0	0	\$34.50	\$0.00	\$75	10	\$34.50	\$420.00	
1C	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
2A	370	\$740	65	\$34.50	\$2,982.50	\$300	10	\$34.50	\$645.00	
2B	130	\$195	25	\$34.50	\$1,057.50	\$150	10	\$34.50	\$495.00	
2C	0	\$0	0	\$34.50	\$0.00	\$0	0	\$34.50	\$0.00	
3A	310	\$465	110	\$34.50	\$4,260.00	\$75	10	\$34.50	\$420.00	
3B	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
3C	190	\$380	40	\$34.50	\$1,760.00	\$300	10	\$34.50	\$645.00	
3D	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
3E	0	\$0	0	\$34.50	\$0.00	\$75	10	\$34.50	\$420.00	
3F	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
3G	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
3H	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
3I	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
3J	0	\$0	0	\$34.50	\$0.00	\$150	10	\$34.50	\$495.00	
3K	0	\$0	0	\$34.50	\$0.00	\$150	0	\$34.50	\$150.00	
3L	0	\$0	0	\$34.50	\$0.00	\$225	0	\$34.50	\$225.00	
3M	1,920	\$5,470	0	\$34.50	\$5,470.00	\$75	0	\$34.50	\$75.00	
4A	0	\$0	0	\$34.50	\$0.00	\$0	0	\$34.50	\$0.00	
4B	740	\$1,480	0	\$34.50	\$1,480.00	\$300	0	\$34.50	\$300.00	
4C	1,150	\$2,300	10	\$34.50	\$2,645.00	\$300	0	\$34.50	\$300.00	
4D	0	\$0	0	\$34.50	\$0.00	\$150	0	\$34.50	\$150.00	
5A	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
5B	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
5C	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
5D	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
5E	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
5F	0	\$0	0	\$34.50	\$0.00	\$75	0	\$34.50	\$75.00	
5G	0	\$0	0	\$34.50	\$0.00	\$150	0	\$34.50	\$150.00	
5H	950	\$2,138	10	\$34.50	\$2,483.00	\$150	0	\$34.50	\$150.00	
5I	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
5J	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
5K	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	
5L	170	\$213	30	\$34.50	\$1,248.00	\$75	10	\$34.50	\$420.00	
6A	810	\$0	0	\$34.50	\$0.00	\$0	0	\$34.50	\$0.00	
6B	0	\$0	0	\$34.50	\$0.00	\$0	10	\$34.50	\$345.00	

Sale Name: Weist Thin

Spot Rock Replacement Cost Worksheet

Road No.	Miles	cuyd of rock/mi	Total cuyd rock/road	\$/cuyd	Total
5300311	0.55	100	60	\$34.50	\$2,070.00
5300312	0.40	100	40	\$34.50	\$1,380.00
5313000	2.55	100	260	\$34.50	\$8,970.00
5313412	0.60	100	60	\$34.50	\$2,070.00
5313413	0.70	100	70	\$34.50	\$2,415.00
5300312/5313412*		10 /cy each	20	\$34.50	\$690.00
Fill Failure**			30	\$28.00	\$840.00
Waterbars***	33 waterbars	3 cy/waterbar	100	\$30.00	\$3,000.00
Totals	4.80		640		\$18,435.00

* 5300312 m.p. 0.00 & 5313412 m.p. 0.60 rock at barricade removals

** Fill failure on 5313413 Grading M

*** Waterbar rock for filling in or over bladed out waterbars, grading Q

Engineering Notes for Weist Thin TS
01/15/14

A. Haul route roads:

The haul routes for this sale are on National Forest System (NFS) roads 5300, 5300311, 5300312, 5313000, 5313412 and 5313413 starting from the sale units and going to Eckman County Road 712 and on to State Highway 34. Log haul has been appraised to Toledo, OR. All units haul to State Highway 34 to the appraisal point of Toledo, Oregon. NFS road 5300 is a key road. All other system roads are listed as non-key roads under the Siuslaw travel management and roads analysis.

Some road reconstruction of NFS roads 5300 and 5313 is required with the sale contract.

Maintenance on this sale is purchaser responsibility. NFS road 5300 is asphalt surfaced. All other roads are aggregate surfaced roads and spot rock is included and appraised from a commercial source.

System road 5300311 is currently closed by gate at the junction with system road 5300 and will be stored after sale activities using the existing gate. Continued access by secondary lock for private land owner is required.

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

See logging feasibility report (LFR) for details.

In general, all system and temporary roads identified for year round use are appraised for rock re-surfacing or spot rock. Temporary roads to Landings 2A, 2B, 3A, 3C, 5L, 6C, 7C, 10F, 10G, 10O, 10Q, 10R and 10S are appraised for all season haul. All other temporary roads are not due to condition and/or length. Purchaser has the option to rock temporary spurs to Landings 6 A & G to extend season of haul. Coordinate extended haul season with district resource specialist.

System road 5313 has been appraised for Type 3 water bars (Utah drain dips) as shown in C5.31#.

System roads 5300312, 5313412 and 5313413 have been appraised for placement of rock in water bars. Cost is displayed in the Spot Rock worksheet.

System Road 5300312 m.p 0.00 and 5313412 m.p. 0.60 have both been appraised for the removal of the one earthen barricade each. Costs to remove the barricades are displayed below under Section F, additional pre-haul maintenance and an additional 10 cubic yards each of rock are displayed in the Spot Rock worksheet.

System Road 5300312 also has been appraised for bridge cleaning as shown in C5.31# T-815*.

System Road 5313413 from Landing 10-P through the end of road has been appraised for additional logcut. This road has also been appraised for 30 cubic yards of Grading M pit run at m.p. 0.51 to address road failure. Costs are listed under Section F, Additional pre-haul maintenance costs below and rock is displayed in the Spot Rock worksheet.

C. Unit Notes:

Unit 1: System road to Landing A ends with wide turn around. System road to Landing C has turn around approximately 260' beyond landing. Landing B is at the junction of 5300311 with 5300312.

Unit 2: Temporary road for Landings A & B for this unit require construction of an approach and have been appraised additional rock to extend season of haul. All costs are listed under Section F, Additional pre-haul maintenance costs below. Landing C is along 5300 road and will block the road temporarily.

Unit 3: Landings B, D, E, F, G, H, I & J for this unit are along the system roads. Temporary road to Landing A is native surface and has been appraised an additional 8” depth lift of rock to extend season of haul. Temporary road to Landing C has been appraised for removal of barricade and for a lift of rock to extend season of haul. It has been appraised additional rock for the barricade site and costs are listed under Section F, Additional pre-haul maintenance costs below. Temporary road to Landings K, L & M for this unit is appraised for dry season haul only.

Unit 4: Temporary road to Landing C has been appraised for removal of barricade and is listed under Section F, Additional pre-haul maintenance costs below. It has been appraised additional rock for the barricade site also. Temporary road to Landings B, C & D for this unit is appraised for dry season haul only.

Unit 5: Landings A, B, C, D, E, I, J & K for this unit are along the system roads. Temporary road for Landing L has been appraised additional rock to extend season of haul. Temporary road to Landings F, G & H for this unit is appraised for dry season haul. Temporary road for Landing H for this unit requires construction of an approach and has been appraised additional rock. Costs are listed under Section F, Additional pre-haul maintenance costs below.

Unit 6: Landings B, D, E, H, L & M are along the system road. Landing F is just beyond the barricade at the end of the system road and has been appraised for all season haul. Temporary road for Landing C has been appraised additional rock to extend season of haul. Landings A, G, I, J & K have been appraised for dry season haul.

Unit 7: Landings A & B are along the system road. Temporary road to Landing C has been appraised for removal of barricade and is listed under Section F, additional pre-haul maintenance. It has been appraised additional rock for the barricade site and additional rock to extend season of haul.

Unit 10: Landings A, E, H, K, M, N & P for this unit are along the system roads. Temporary roads for Landings F, G, O, Q, R & S have been appraised additional rock to extend season of haul. Temporary roads to Landings B, C, D, I & J for this unit have been appraised for dry season haul. Temporary road to Landing I has been appraised for removal of barricade and is listed under Section F, additional pre-haul maintenance. It has been appraised additional rock for the barricade site also.

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

Road #	Presale status	Post sale planned status	Waterbars/berms
5300000	Key road, open	Key road, open	None, None
5300311	Non key road, closed	Non key road, closed	None, None
5300312	Non key road, closed	Non key road, closed	Type one, Berm
5313000	Non key road, open	Non key road, open	Type three, None
5313412	Non key road, open	Non key road, closed	Type one, Berm
5313413	Non key road, open	Non key road, closed	Type one, Berm

D. Log Haul Operating season and Haul routes.

Unit Number	Planned Haul Route	Engineering Log Haul Operating season *
1	5300312 to 5300311 to 5300 to Co. Rd. 712 to Hwy 34 to Hwy 101 to Hwy 20 to Toledo	All season
2	5300 to Co. Rd. 712 to Hwy 34 to Hwy 101 to Hwy 20 to Toledo	All season
3	5313412 to 5313 to 5300 to Co. Rd. 712 to Hwy 34 to Hwy 101 to Hwy 20 to Toledo	All season Landings A-J/ Dry season Landings K,L,M
4	5300 to Co. Rd. 712 to Hwy 34 to Hwy 101 to Hwy 20 to Toledo	All season Landing A/ Dry season all else

Engineering Notes for Weist Thin TS

5	5313 to 5300 to Co. Rd. 712 to Hwy 34 to Hwy 101 to Hwy 20 to Toledo	All season Landings A-E, I-L/ Dry season F,G & H
6	5313412 to 5313 to 5300 to Co. Rd. 712 to Hwy 34 to Hwy 101 to Hwy 20 to Toledo	All season Landings B-F, H, L & M/Dry season A,G,I,J & K
7	5313 to 5300 to Co. Rd. 712 to Hwy 34 to Hwy 101 to Hwy 20 to Toledo	All season
10	5313413 to 5313 to 5300 to Co. Rd. 712 to Hwy 34 to Hwy 101 to Hwy 20 to Toledo	All season Landings A, E-H, K-S / Dry season all else

* Dry season is June 15 – October 15

E. Additional Timber sale provisions:

All system roads will have a “R” C5.12 restriction suspending haul for 24 hours after a 1” minimum rain event.

F. Additional pre-haul maintenance costs appraised for:

- System road 5313413 was appraised for additional logout. \$3,000/mile for 0.5 miles = **\$1,500.**
- System road 5300312 m.p. 0.00 and 5313412 m.p. 0.60 both require removal of barricades. Excavator 1 hr each @ \$150/hr plus 10 CY rock each = **\$300 plus 20 CY rock.**
- Removal of barricades on Temporary roads to Landings 3-C, 4-C & 7-C. Excavator 1 hrs @ \$150/hr each & 10 CY rock each = **\$450 plus 30 CY rock.**
- Minor excavation of an approach to Temporary roads to Landings 2-A and 5-H. Excavator 1 hr @ \$150/hr plus 10 CY each = **\$300 plus 20 CY.**
- Move in/out costs of equipment of \$1,000/ season X 2 seasons = **\$2,000.**

TOTAL = \$4,550 + Rock added into Spot Rock or Temporary Road Costs

Roanna Tomlinson
Project Engineer
Siuslaw National Forest



Detailed listing of Brush Disposal Activities (Working Copy)

(1) Proclaimed Forest Siuslaw		(2) District/Unit Central Coast Ranger District								
(3) Sale Name WEIST THIN(14802)		(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								
(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 Projects	
a) Subunit	b) Activity					a) Fund Code	b) No. of Units	c) Total Cost	a) No. of Units	b) Total Cost
061208BD14802000000	1100 Fuel Inventory	N/A	HF	Acres	\$7.14	BDBD	342.0	\$2,442	342.0	\$2,442
061208BD14802000000	1130 Burning of Piled Material	N/A	HF	Acres	\$23.27	BDBD	342.0	\$7,958	342.0	\$7,958
Subtotal for Fund Code BDBD								\$10,400		
061208BD14802000000	1150 Rearrangement of Fuels	N/A	HF	Acres	\$559.00	PPPP	1.1	\$615		
061208BD14802000000	1153 Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$5.12	PPPP	342.0	\$1,751		
Subtotal for Fund Code PPPP								\$2,366		
15. Total BD work funded										\$10,400
16. National Program Support										\$4,295
17. Total Cost of Funded Work (Sum of line 15 and 16)(Required Bid Deposit Amount)										\$14,695
18. Remarks: Forest Collection Rate: Assessment included in unit cost National Collection Rate for Program Support: 41.3% Inflation Rate: 2% Rate Remarks: Regional Direction FY13 PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.										

Weist Thin BD Appraisal Narrative

NEPA: West Alsea (19694)

Sale #: 14802

Preparer: Jason Monroe

FACTS Activity Code	FACTS Description	Actual Activity (as performed on the ground)	Planned Units in FACTS (acres)	Planned Unit on the ground
1100 (Agency)	Fuel Inventory	Fuels assessment, monitoring, writing burn plans.	342	342 acres
1130 (Agency)	Burning of Piled Material	Burning of machine piles on landings. Pile totals are calculated by assuming one pile per landing on open roads.	342	Burn 50 piles
1153 (Purchaser)	Piling of Fuels, Hand or Machine	Covering the piles with a 10X10 piece of plastic.	342	Cover 50 piles
1150 (Purchaser)	Rearrangement of Fuels	Roadside treatments which include: burning of piles, chipping, mastication or scattering.	1.1	1.1 acres

Required Activities Per Unit-

Unit 1:

Piles-

- Pile, cover and burn 2 landings on FSR 5300311 as identified on logging systems map.
- Pile, cover and burn 1 landings on FSR 5300312 as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

Unit 2:

Piles-

- Pile, cover and burn 3 landings on FSR 5300 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- Treat logging slash 25 feet from the edge of FS Road 5300 into the unit, for a total of 0.50 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

Unit 3:

Piles-

- Pile, cover and burn 7 landings on FSR 5313 and on temp roads as identified on logging systems map.
- Pile, cover and burn 3 landings on FSR 5313 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

Unit 4:

Piles-

- Pile, cover and burn 3 landings on FSR 5300 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- Treat logging slash 25 feet from the edge of FS Road 5300 into the unit, for a total of 0.60 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

Unit 5:

Piles-

- Pile, cover and burn 10 landings on FSR 5313 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

Unit 6:

Piles-

- Pile, cover and burn 3 landings on FSR 5313412 and on temp roads as identified on logging systems map.
- Pile, cover and burn 5 landings on FSR 5313 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

Unit 7:

Piles-

- Pile, cover and burn 3 landings on FSR 5313 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

Unit 10:

Piles-

- Pile, cover and burn 6 landings on FSR 5313413 and on temp roads as identified on logging systems map.
- Pile, cover and burn 4 landings on FSR 5313 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

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 in Weist Thin that there will be 50 landing piles to burn. The cost per pile for this sale is \$150 which is multiplied by 50 piles= \$7,500 total to burn the estimated number of piles. Dollar per acre is calculated by: $\$7,500 \text{ total pile burning cost} / 342 \text{ total acres} = \$21.93/\text{acre}$

EROSION CONTROL PLAN AND APPRAISAL

Forest: **Siuslaw**

District: **Central Coast**

Sale Name: **Weist Thin**

CCF Volume: **9,677**

miles of temp.road: **2.66**

Work will be done by purchaser.

WORK ITEM	Unit of Measure	Number of Units	Cost per Unit (\$)	Total (\$)
(1) PERMANENT ROAD STABILIZATION				
a. Seed				
(2) TEMP. ROADS (put to bed)				
a. Remove culverts/bridges				
b. Outsloping				
c. Cross ditching	each	140	\$10.00	\$1,400.00
d. Scarifying				
e. Barriers	each	7	\$150.00	\$1,050.00
f. Seed	acres	2.6	\$425.60	\$1,106.57
(3) SKIDROADS & TRAILS				
a. Remove culverts/bridges				
b. Waterbars & cross drains	each	8	\$10.00	\$80.00
c. Brush dams				
d. Seed	acres	2.5	\$425.60	\$1,064.01
(4) FIRELINE STABILIZATION				
a. waterbars & cross drains	each	0		
b. Seed	acres	0		
(5) LANDING				
a. Drainage ditches	each	86	\$10.00	\$860.00
b. Scarifying				
c. Cut & fill stabilization				
d. Seed	acres	0.9	\$425.60	\$383.04
(6) DISTURBED MEADOWS				
a. Land treatment				
b. Seed				
(7) CHANNEL CLEARING				
a. By hand				
b. By machine				
(8) MAINTAIN EROSION STRUCTURES				
(9) OTHER (specify)				
a.				
b.				
c.				
(10) TOTAL COSTS				\$5,943.62
(11) Cost per CCF for Appraisal				\$0.61

EROSION CONTROL WORKSHEET

Sale Name: **Weist Thin**

Seeding

Acres that will need treating are as follows:

- A. Temporary Roads in the sale will be treated, total is about 14,025 feet in length,
 or about 5.2 acres of Temporary Roads of which about half will be seeded
 or about 2.6 acres. Road width is based on 16 feet.

- B. Ground-based area in the sale totals 101 acres, ground-based area covered by skid roads is
 about 10% or 10.1 acres of which a quarter will be seeded or about 2.5 acres.

- C. Fireline stabilization - about 0 feet of fireline with an average width of
 0 feet or about 0.0 acres will be seeded.

- D. Landings - total number of landings - average of 0.1 acres each 43 for a total of
 about 4.3 acres of which 20% will be seeded or about 0.9 acres.

Erosion Control Structures

Cost is \$10.00 per cross drain x 234 crossdrains = \$2,340.00

Landings:	86
Firelines:	0
Skid Roads & Trails:	8
Temporary Roads:	140
Total:	234

Appraised one crossdrain per 100 feet of disturbance. Appraised two crossdrains per native surface landing. Estimated approximately 300 feet of skid trails per acre.

Temporary Road Barriers

7 Barriers X \$150.00 /barrier = \$1,050.00
 (one barrier per road)

SEED COST WORKSHEET

Sale Name: **Weist Thin**

Volume: 9,677 CCF
32,140 Tons

Operator Costs

Labor \$122.67 /ac (\$23/hr x 8 hr / 1.5 ac/day)
 Vehicle \$16.00 /ac (1/2 T PU @\$8/hr x 3 hr / 1.5 ac/day)
 Total \$138.67 /acre

\$138.67 /ac
 x 1.213 OH
 subtotal \$168.20 /ac

FS (Co-op) Costs

Seed \$9.00 /lb.
 Application Rate 22 lb/ac
 Total \$198.00 /acre

\$198.00 /ac
 x 1.3 OH
 subtotal \$257.40 /ac
 x 6.0 acres
 total coop \$1,544.40

CO-OP Costs: \$0.16 /CCF
\$0.05 /Tons

\$168.20 /ac
 + \$257.40 /ac
Total per acre cost: \$425.60 /ac