

TIMBER SALE APPRAISAL

Siuslaw National Forest

Hebo Ranger District

Cloverdale Thin

(Sale Name)

14103

(SALE Number)

North Nestucca EA

(EA/EIS/CE)

Cloverdale Thin NARRATIVE

Description of Sale Area

This sale consists of 2 commercial thinning subdivisions totaling 190 acres and will be sold as a ton sale and scaled 100% weight. There is an estimated 17,227 tons (6,088 ccf or 3,173 mbf) in this sale.

General Location

This sale is approximately 8 miles west of Hebo, Oregon along Forest Service Roads 1107 and 1533 and is in the North Nestucca watershed.

Routes of Access

Sale is appraised to Tillamook, Oregon via Highway 101, county roads 885 (Jenck Road) and 886 (Old Woods Road), and National Forest System roads 1107, 1533 and 1533-114.

Relation to Other Sales

Hancock Forest Management is permitted to use FS road 1533 and 1533113 and will be hauling in 2014.

Marking

Subdivision boundaries are flagged with blue ribbon and tagged with blue boundary tags. Boundary trees are marked with orange tracer paint. All subdivisions are designation by prescription. Subdivision 233 includes seven ½ acre gaps and three 1 acre gaps. Gap centers are identified by a leave tree with one (1/2 acre) or two (1 acre) orange tracer paint bands at DBH and a mark on the stump.

Logging

This sale is appraised for 56% skyline yarding and 44% 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 2.24 miles of temporary roads and 53 landings are planned. 60 cubic yards of rock was appraised for temporary roads and 0 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. 370 cubic yards of spot rock will be required 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 road 1533 with a total 1.85 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 \$0.02/ton will be required for the collection and propagation of seed for use on future contracts. Seed will be provided by the Forest Service for use on this sale.

Slash Disposal

Purchaser shall scatter or pile and cover landing slash where present. Purchaser shall treat logging slash in subdivision 333 within 25 feet from the edge of FS Road 1533. Forest Service will burn piles.

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.

****NOTICE - SPECIAL PROVISION C6.851 -WEIGHT OF LOST LOADS (06/13) IS A NEW PROVISION THAT IS PART OF THIS CONTRACT. PROSPECTIVE BIDDERS ARE ENCOURAGED TO READ THE PROVISION PRIOR TO SUBMITTING A BID FORM.**

Others

The Forest Service has an easement through private property owned by Stimson Lumber Company for FS Road 1107. There is a private locked gate on Road 1107 near the junction with TIL-886, contact the Hebo Ranger District for access, 503-392-5100. Access on Road 1107 will need to be maintained for private landowner.

Haul restrictions 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*

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: Cloverdale Thin

TIM Conversion			0.3534	0.1842		
Unit No.	Acres	TONS	CCF	MBF	% Sale Volume	TON Vol/Ac
233	57	7625	2695	1405	44	134
333	133	9602	3393	1769	56	72
TOTAL	190	17227	6088	3173	100	91

	CCF			
Unit No	Sitka Spruce	Douglas Fir	Western Hemlock	Red Alder
233	1,751	588	98	339
333	89	1,054	655	1,515
TOTAL	1,840	1,642	753	1,854
% of Sale	30	27	13	30

USDA - FOREST SERVICE
Stewardship: N

REPORT OF TIMBER SALE
APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)
Version 1431 (TEA 07-14)

Region: 06
Forest: 12 Siuslaw
District: 01 Hebo
Salvage: N

Sale Name: Cloverdale Thin
Sale Number: 14103
Appraise to: Tillamook, OR
Appraiser: T. Devenport

Appraisal Date: 07/25/14
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	1,643	2,592	1,853						6,088
5. Base Period Price	75.02	68.38	65.73					69.37	
6. Base Period Index	214.41	198.40	88.40					169.24	
7. Current Index	214.41	198.40	88.40					169.24	
8. Rapid Market Adj	10.40	10.40						7.23	
9. Market Adj BP Price	85.42	78.78	65.73					76.60	
10. Unusual Adjustment	-83.25	-83.25	-83.25					-83.25	
11. GBCv-Nonsaw Adj									
12. Product Quality Adj	-5.06	15.00	-15.00					.46	
13. Adj Base Period Price	-2.89	10.53	-32.52					-6.19	-37,714.07

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost	ROADS	Km	Miles	Cost
14. Stump to Truck	151.90	114.43	37.47	Specified Road Con			
15. Haul/Scale	30.44	26.69	3.75	Specified Road Rec	2.98	1.85	73,855
16. Road Maintenance	9.05	4.87	4.18	Temporary Road Con	3.61	2.24	31,349
17. Contract	14.86	3.19	11.67	Haul Miles		25	
18. Development & Other	4.15	5.15	-1.00				
19. Road Const & Recon		12.13	-12.13				
20. Total (lines 14-19)	210.40	166.46	43.94	DEPOSITS:	Br Disp/UM 1.53	Rd Mtc/UM	C(T)5.213# 9,629.00

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total
21. Predicted Bid Rate	41.05	54.47	11.42					37.75	229,792.65
22. Competition Adjustment	4.10	5.45	1.14					3.77	22,975.12
23. Property Value									
24. Indicated Adv Rate	36.95	49.02	10.28					33.97	206,817.53
25. Base Rate	3.00	3.00	1.00					2.39	14,558.00
26. Adjustment									
27. Advertised Rate	36.95	49.02	10.28					33.97	206,817.53

12.01/ton
0.85/ton
12.01/ton

CCF to MBF Rate Factors: 1.9352 1.8063 2.0844 1.9187
 CCF to MBF Volume Factors: .5167 .5536 .4798 .5212
 MBF to CCF Index Factors: .52 .52 .52
 CCF Base Index for A(T)5a:
 CCF Wtd Avg Del Log Price: 335.65 314.38 279.56
 MBF Volume: 849 1,435 889 3,173
 Total Tons Removed: 4,649 7,334 5,244 17,227
 Net CCF to Tons Conversion Factor for C8.3#(Option 1) or K-I.3.1#: 2.8297 DEPOSITS/Ton BD: .54 RM:

*Unusual Adjustment includes -2.55 for truck assist.

PRODUCT QUALITY ADJUSTMENT - OREGON WESTSIDE

Use with Appraisal Update #7-14

Sale Name: Cloverdale Thin

Date: 25-Jul-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	584.00	224	468	279.88	-60.83
	8.0"-11.99"	#3 sawmill	672.00	404	797	340.71	0.00
	12.0"-17.99"	#2 sawmill	675.00	221	378	394.04	53.32
	18.0" - 30.0"	special mill	713.00				

\$/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 = -5.06 /ccf

Weighted average delivered log price for Species Group #1 = 335.65 /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	496.00	220	459	237.62	-43.84
	8.0"-11.99"	#3 sawmill	570.00	426	863	281.46	0.00
	12.0"-17.99"	#2 sawmill	587.00	519	877	347.50	66.04
	18.0" - 24.0"	special mill	587.00	270	394	402.22	120.76

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

Weighted average delivered log price for Species Group #2 = 314.38 /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	948.00			492.96	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
350	5.0"-9.99"	If this table is used, → entry needed here	531.00	322	821	208.23	-109.20
	9.99"-11.99"		609.00	245	470	317.42	0.00
	>12.0"		615.00	322	563	352.05	34.62

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

Weighted average delivered log price for Species Group #4 = 279.56 /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 #7-14

Sale Name: Cloverdale Thin

Date: 25-Jul-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		1			309.52
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 #7-14

teacost.dat file (TEA 07-14)

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
Total or Avg	0.00	0.00

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

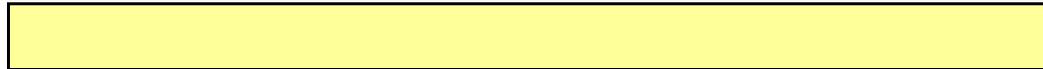
Logging System	Vol Type	Total Volume	Stump-truck \$/vol	Estimated Seasons
Skyline	ccf	3,380	123.63	3
Mechanized		0	0.00	0
Tractor	ccf	2,708	102.95	3
Shovel		0	0.00	0
Helicopter (1)		0	0.00	0
Sale-as-a-whole		6,088	114.43	

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	123
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: Cloverdale Thin

Date: 7/23/14

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: Cloverdale Thin

Geo. area: OR

Date: 23-Jul-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	235.0	8.0	582.0	102.0	19.81	483.02	508.44	25.66	26.69

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



Include scale cost in final haul cost

Yes

Total haul cost, \$/ccf = **\$26.69**

150 minutes

Volume Type...
CCF

Sale or Haul Narrative

[Empty yellow box for Sale or Haul Narrative]

Scale cost: \$84.80

**Engineering Notes for
Cloverdale Thin
7/24/2014**

A. Haul route roads:

The haul routes for this sale are on National Forest System (NFS) roads 1107, 1533 and 1533-114, Tillamook County Roads 885 (Jenck Road) and 886 (Old Woods Road), and Highway 101 to the appraisal point of Tillamook, Oregon.

All roads used in this sale are non-key roads except the 1533 which is a key road.

Maintenance on this sale is purchaser responsibility.

NFS road beginning and ending termini are detailed in table 1.1

Table 1.1

Road No.	Miles	Beginning Milepost	Ending Termini/Milepost
1107	1.0	Junction TIL-886	1.00
1533	1.80	Junction TIL-885	1.80
1533-114	0.23	NFS 1533	0.23

The remaining portions of roads 1533 and 1107 are not planned for use under this contract. Spot rock for NFS roads is included and appraised for.

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

See logging feasibility report (LFR) for details.

In general, all system roads are appraised for rock re-surfacing or spot rocking except for roads which are paved.

Truck assist is appraised for on Temporary Road 2-3 and 2-2.

**Engineering Notes for
Cloverdale Thin
7/24/2014**

C. Unit Notes:

Unit 233: NFS Road 1107 has rock appraised for placement in water bars. This road system has been appraised for dry season haul. NFS Road 1107 travels on Forest service easement through private property owned by Stimson Lumber Company. There is a gate on the road owned by Stimson and the Forest Service has a lock on the gate. Please contact the Hebo Ranger Station for access. This road also provides access to a cell tower located on private property and access will need to be maintained.

Temporary road 2-3 contains short runs of steep grade for the first 3 stations from Road 1107 to Temporary road 2-4 with 20% favorable to the unit boundary with good runout. After the junction with temporary road 2-4 there are two log culverts existing and are not suitable for log truck traffic. Active stream flow visible in July. These crossings may be sufficient as a skid trail. The first log culvert crossing has minimal fill and may be replaced with a Temporary culvert and is appraised at \$3000 under miscellaneous maintenance. 20 cubic yards of aggregate is appraised for at this crossing. The second log culvert is located at the next stream crossing nearby. This has 8' fill and is appraised at \$5000 under miscellaneous maintenance. These culverts may require dewatering.

Temporary Road 2-2 contains intermittent 18% favorable grade from landing 2L. From System road 1107 Temp Road 2-2 contains 25% favorable grades to junction with Temporary road 2-6. Road grade has good runout on the steep grades. Road 2-2 contains a steep curve where it intersects with Temporary Road 2-6. This curve would need to be built out to accommodate log truck haul. Due to the steep grades this route may be more suitable as a skid trail.

Unit 333: NFS Road 1533 is a multi-surfaced road with a short run of pavement starting at the junction with the county road. This road system has been appraised for all season haul. 1533 is a key road and contains no water bars. Temporary road 3-1 is existing to landing B and considered new construction after. Temp. Road 3-1 is generally flat and is a short adverse haul of 20% for up to 150' to approach. Additional costs appraised for new construction. Temporary road 3-2 contains intermittent 15-20% grades generally favorable. On Temporary Road 3-3 approximately 100 cubic yards of waste material previously piled at the road junction which may be ramped over or blended away. Temporary road 3-4 requires minor earthwork to reshape to 1533 at the approach. Moderate adverse grade. Additional cost appraised due to earth work required. System road 1533-114 contains short runs of 20-25% favorable as the road approaches 1533. From landing 3R to the quarry grades maintain 35% and are not suitable for truck haul at this point.

**Engineering Notes for
Cloverdale Thin
7/24/2014**

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

Road #	Presale status	Post sale planned status	Waterbars/berms
1533	Key, Open	Key, Open	None/None
1533-114	Non-Key, Closed	Non-Key, Closed	Type 2 & 3 /Berm
1107	Non-Key, Closed	Non-Key, Closed	Type 2 / Gate

E. Log Haul Operating season and Haul routes.

Unit Number	Planned Haul Route	Engineering Log Haul Operating season *
233	NFS 1107 → Tillamook 886 → Hwy 101 → Tillamook	Dry Season
333	NFS 1533 → Tillamook 885 → Hwy 101 → Tillamook	All season system roads, dry season temp roads
333	NFS 1533-114 → NFS 1533 → Tillamook 885 → Hwy 101 → Tillamook	Dry season on NFS 1533-114

* Dry season is June 15 – October 15.

Josh Marxen
Engineer
Siuslaw National Forest

ROAD MAINTENANCE WORKSHEET

Sale Name:	Cloverdale Thin		6,088	CCF Volume		1.27	% OH
			17,227	Tons			
				Purchaser	Co-op		
	Termini			CCF	Work	Deposits	
Road	From	To	Miles	Volume	0.91	0.91	Remarks
1533	Spur 3-5 Ldg V	1533-114	1.79	169.7	0.91		
1533	Spur 3-1	1533-114	1.70	339.3	0.91		
1533	Spur 3-2	1533-114	1.44	407.2	0.91		
1533	Spur 3-3	1533-114	1.39	1,017.9	0.91		
1533	Spur 3-4	1533-114	1.05	271.4	0.91		
1533	Landing 3AC	1533-114	0.86	339.3	0.91		
1533	Landing 3X	1533-114	0.71	509.0	0.91		
1533-114	Ldg 3R	Jct 1533/1533-114	0.23	339.3	0.91		
1533	Jct 1533/1533-114	Jct 1533/TIL-886	0.38	3,393.0	0.91		All of 3
TIL-886	Jct 1533/TIL-886	US 101	0.60	3,393.0			
US 101	US 101/TIL-886	US 101/TIL-885	0.70	3,393.0			
1107	Spur 2-6	TIL-885	1.04	808.5	0.91		
1107	Spur 2-7	TIL-885	1.01	404.3	0.91		
1107	Spur 2-2	TIL-885	0.99	269.5	0.91		
1107	Spur 2-1	TIL-885	0.86	673.8	0.91		
1107	Spur 2-8	TIL-885	0.76	539.0	0.91		
TIL 885	Jct TIL-885/1107	TIL-885/ US 101	0.75	2,695.0			
US 101	TIL-885/ US 101	Tillamook	23.00	6,088.0			
			39.26				
		Total \$	\$/CCF	\$/Ton		25.32	Weighted Miles
	Purchaser Maint	8,889.90	1.46	0.52			
	Misc Maint. (see Eng. Notes)	8,000.00	1.31	0.46			
	Spot Rock (see worksheet)	12,765.00	2.10	0.74			
	Co-op Deposits	0.00	0.00	0.00			
	Totals	29,654.90	4.87	1.72			

Temporary Road and Landing Cost Worksheet

Sale Name: Cloverdale Thin								6,088	CCF volume	
Temporary Roads						Landings				
Unit No. or temp road identifier	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	
2-1	1,528	\$3,820	0	\$34.50	\$3,820.00	\$0		\$34.50	\$0.00	
2-2	522	\$1,566	0	\$34.50	\$1,566.00	\$350		\$34.50	\$350.00	25% + Grade-
2-3	2,213	\$4,426	60	\$34.50	\$6,496.00	\$600		\$34.50	\$600.00	Intermittint ste
2-4	314	\$628	0	\$34.50	\$628.00	\$150		\$34.50	\$150.00	
2-5	180	\$540	0	\$34.50	\$540.00	\$150		\$34.50	\$150.00	
2-6	634	\$1,902	0	\$34.50	\$1,902.00	\$0		\$34.50	\$0.00	
2-7	655	\$1,638	0	\$34.50	\$1,637.50	\$150		\$34.50	\$150.00	
2-8	117	\$351	0	\$34.50	\$351.00	\$150		\$34.50	\$150.00	
2-9	231	\$693	0	\$34.50	\$693.00	\$150		\$34.50	\$150.00	
2-10	482	\$1,446	0	\$34.50	\$1,446.00	\$150		\$34.50	\$150.00	
2-11	150	\$300	0	\$34.50	\$300.00	\$300		\$34.50	\$300.00	
3-1	1,400	\$3,500	0	\$34.50	\$3,500.00	\$750		\$34.50	\$750.00	Existing to lan
3-2	918	\$2,754	0	\$34.50	\$2,754.00	\$650		\$34.50	\$650.00	lots of down w
3-3	2,075	\$5,188	0	\$34.50	\$5,187.50	\$1,050		\$34.50	\$1,050.00	
3-4	211	\$528	0	\$34.50	\$527.50	\$150		\$34.50	\$150.00	
3-5	190	\$0	0	\$34.50	\$0.00	\$0		\$34.50	\$0.00	No landing on
	11,820	\$29,279	60		\$31,348.50	\$4,750	0		\$4,750	
2.24	miles			Costs per CCF:	\$5.15			Costs per CCF:	\$0.78	

Sale Name: Cloverdale Thin

Spot Rock Replacement Cost Worksheet

Road No.	Miles	cuyd of rock/mi	Total cuyd rock/road	\$/cuyd	Total
1107	1.00	100	100	\$34.50	\$3,450.00
1533	1.80	100	180	\$34.50	\$6,210.00
1533-114	0.23	100	30	\$34.50	\$1,035.00
				\$34.50	
				\$34.50	
Waterbars***	waterbars	3 cy/waterbar	60	\$34.50	\$2,070.00
Totals	3.03		370		\$12,765.00

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

Detailed listing of Brush Disposal Activities (Working Copy)	(1) Proclaimed Forest Siuslaw	(2) District/Unit Hebo
(3) Sale Name CLOVERDALE THIN(14103)	(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
061201BD14103000000	Fuel Inventory	N/A	HF	Acres	\$7.14	BDBD	190.0	\$1,357	190.0	\$1,357
061201BD14103000000	Burning of Piled Material	N/A	HF	Acres	\$27.59	BDBD	190.0	\$5,242	190.0	\$5,242
Subtotal for Fund Code BDBD								\$6,599		
061201BD14103000000	Rearrangement of Fuels	N/A	HF	Acres	\$559.00	PPPP	5.6	\$3,130		
061201BD14103000000	Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$6.07	PPPP	190.0	\$1,153		
Subtotal for Fund Code PPPP								\$4,283		
15. Total BD work funded										\$6,599
16. National Program Support										\$2,725
17. Total Cost of Funded Work (Sum of line 15 and 16)(Required Bid Deposit Amount)										\$9,324

18. Remarks:	Combined Total Cost of BD Funded Work: \$9,324
	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.

Cloverdale BD Appraisal Narrative
 NEPA: North Nestucca (27124)
 Sale #: 14103
 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 (Agency)	Fuel Inventory	Fuels assessment, monitoring, writing burn plans.	190	190 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.	190	Burn 33 piles
1153 (Purchaser)	Piling of Fuels, Hand or Machine	Covering the piles with a 10X10 piece of plastic.	190	Cover 33 piles
1150 (Purchaser)	Rearrangement of Fuels	Roadside treatments which include: burning of piles, chipping, mastication or scattering.	5.6 acres	5.6 acres

Required Activities Per Unit-

Unit 233:

Piles-

- Pile, cover and burn 9 landings on FSR 1107000 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 333:

Piles-

- Pile, cover and burn 15 landings on FSR 1533 and 9 landings 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 FSR 1533 into the unit, for a total of 5.6 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-

- Unit 333 was identified as a WUI unit in the North Nestucca EA. However, the actual final harvest unit is smaller than the unit that was analyzed in the specialist report. There is no WUI treatment required within unit 333.

*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 Cloverdale Thin that there will be 33 landing piles to burn. The cost per pile for this sale is \$150 which is multiplied by 33 piles= \$4,950 total to burn the estimated number of piles.

Dollar per acre is calculated by: $\$4,950 \text{ total pile burning cost} / 190 \text{ total acres} = \$26.00/\text{acre}$

EROSION CONTROL PLAN AND APPRAISAL

Forest: **Siuslaw**

District: **Hebo**

Sale Name: **Cloverdale**

CCF Volume: **6,088**

miles of temp.road: **2.24**

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	118	\$10.00	\$1,180.00
d. Scarifying				
e. Barriers	each	9	\$150.00	\$1,350.00
f. Seed	acres	2.2	\$425.60	\$936.33
(3) SKIDROADS & TRAILS				
a. Remove culverts/bridges				
b. Waterbars & cross drains	each	6	\$10.00	\$60.00
c. Brush dams				
d. Seed	acres	2	\$425.60	\$851.21
(4) FIRELINE STABILIZATION				
a. waterbars & cross drains	each	0		
b. Seed	acres	0		
(5) LANDING				
a. Drainage ditches	each	106	\$10.00	\$1,060.00
b. Scarifying				
c. Cut & fill stabilization				
d. Seed	acres	1.1	\$425.60	\$468.16
(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				\$5,905.69
(11) Cost per CCF for Appraisal				\$0.97