USDA - FOREST SERVICE
Stewardship: N

REPORT OF TIMBER SALE
APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)
Version 1531 (TEA 07-15)

Region: 06	Sale Name: Huck Thin (DxP)	Appraisal Date:	08/10/15
Forest: 12 Siuslaw	Sale Number: 15102	Base Period Ending:	06/30/15
District: 01 Hebo	Appraise to: Willamina, Oregon	Competition Factor:	10%
Salvage: N	Appraiser: K. Wangerin	Essential KV Cost:	0

SELLING PRICES	1	2	3	4	5	6	7	Average	Total
1. Species	D-fir								
2. Species Code	205								
3. Product/Unit	01-03								
4. Volume	9,270								9,270
5. Base Period Price	67.46*							67.46	
6. Base Period Index	177.76							177.76	
7. Current Index	177.76							177.76	
8. Rapid Market Adj	10.40							10.40	
9. Market Adj BP Price	77.86							77.86	
10. Unusual Adjustment	-65.00							-65.00	
11. GBCv-Nonsaw Adj									
12. Product Quality Adj	14.20							14.20	
13. Adj Base Period Price	27.06							27.06	250,846.20

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost
14. Stump to Truck	140.67	100.26	40.41
15. Haul/Scale	30.49	26.50	3.99
16. Road Maintenance	11.10	8.73	2.37
17. Contract	12.65	2.10	10.55
18. Development & Other	3.11	8.83	-5.72
19. Road Const & Recon		5.44	-5.44
20. Total (lines 14-19)	198.02	151.86	46.16

ROADS	Km	Miles	Cost
Specified Road Con			
Specified Road Rec	.16	.10	50,436
Temporary Road Con	2.20	1.37	28,385
Haul Miles		37	

	Br Disp/UM	Rd Mtc/UM	C(T)5.213#
DEPOSITS:	1.19	4.03	6,800.00

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total
21. Predicted Bid Rate	73.22							73.22	678,749.40
22. Competition Adjustment	7.32							7.32	67,856.40
23. Property Value									
24. Indicated Adv Rate	65.90							65.90	610,893.00
25. Base Rate	3.00							3.00	27,810.00
26. Adjustment									
27. Advertised Rate	65.90							65.90	610,893.00

CCF to MBF Rate Factors:	1.8459							1.8459	
CCF to MBF Volume Factors:	.5417							.5417	
MBF to CCF Index Factors:	.52								
CCF Base Index for A(T)5a:									
CCF Wtd Avg Del Log Price:	338.51								
MBF Volume:	5,022								5,022
Total Tons Removed:	28,184								28,184

Net CCF to Tons Conversion Factor for C8.3#(Option 1) or K-I.3.1#: 3.0403 DEPOSITS/Ton BD: .39 RM: 1.33

PRODUCT QUALITY ADJUSTMENT - OREGON WESTSIDE

Use with Appraisal Update #7-15

Sale Name: **Huck Thin (DxP)** Date: **31-Jul-15** (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	591.00	439	1,045	248.58	-67.29
	8.0"-11.99"	#3 sawmill	626.00	1,691	3,352	315.87	0.00
	12.0"-17.99"	#2 sawmill	632.00	2,582	4,353	374.79	58.92
	18.0" - 30.0"	special mill	684.00	186	274	464.56	148.69

Chip Values, $/ccf

$/ton Avg	Avg lb per cf	Volume CCF
29.00		

BPP for chips = **0.00** */ccf*
(insert as override on TEA input screen

Weighted average Product Quality Adjustment (PQA) for Species Group #1 = **15.00** */ccf* *under BPP/CCF for products 08 and 20)*

Weighted average delivered log price for Species Group #1 = **341.02** */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	5.0" - 7.99"	#4 sawmill	494.00				
true firs	8.0"-11.99"	#3 sawmill	499.00			259.48	0.00
spruces	12.0"-17.99"	#2 sawmill	510.00				
	18.0" - 24.0"	special mill	510.00				

Weighted average Product Quality Adjustment (PQA) for Species Group #2 = **0.00** */ccf*

Weighted average delivered log price for Species Group #2 = **0.00** */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	65	139	0.00	-563.03
	12.0"-23.99"	#3 sawmill	1,035.00	59	108	563.03	0.00
	24.0"+	#2 sawmill	0.00	0	0		

Weighted average Product Quality Adjustment (PQA) for Species Group #3 = **-15.00** */ccf*

Weighted average delivered log price for Species Group #3 = **246.93** */ccf* (enter on TEA input screen as Log Pr/CCF)

Species Group #4	Minimum Dia - dib	If this table is used, → entry needed here	Log price $/mbf avg	Volume MBF	Volume CCF	Log price $/ccf avg	Adjustment Dollars
						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	If this table is used, → entry needed here	Log price $/mbf avg	Volume MBF	Volume CCF	Log price $/ccf avg	Adjustment Dollars
						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	If this table is used, → entry needed here	Log price $/mbf avg	Volume MBF	Volume CCF	Log price $/ccf avg	Adjustment Dollars
						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 #7-15

Sale Name: **Huck Thin (DxP)** Date: **31-Jul-15**

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

	Type a "1" into desired cells to combine species into an appraisal group							
Geographic Area	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6	Combined Prod Qual Adj	Combined Del Log Price
Ore West	1		1				14.20	338.51
Ore East								
Wash West								
Wash East								

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

	Type a "1" into all cells with volume						
Geographic Area	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6	Wt Avg Delivered Log Price for the Sale
Ore West	1		1				338.51
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

Species BPP Weighting Table

Species Code	Species Vol (CCF)	BPP from TEACOST.DAT
205	9,023.00	66.81
242	247.00	91.39
Total or Avg	9,270.00	67.46

MBF Volume Table

Species Code	Species Vol (MBF)
205	4,898.00
242	124.00
Total	5,022.00

Appraisal Update #7-15

teacost.dat file (TEA 07-15)

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

Enter MBF volume from Species Group Tables for entry of Total into TEA Main Screen.

ROAD MAINTENANCE WORKSHEET

Sale Name:	Huck Thin		9,270	CCF Volume		1.27	% OH
			28,184	Tons			
					Purchaser	Co-op	
	Termini			CCF	Work	Deposits	
Road	From	To	Miles	Volume	0.91	0.91	Remarks
1400	O 39	Jct 1400113/1400	0.20	2,485	0.91		
1400	Unit O37A spur to Ldgs A-G	Jct 1400113/1400	0.59	1,260	0.91		
1400	Unit O37C spur to Ldgs A-C	Jct 1400113/1400	0.86	1,074	0.91	0.00	
1400	Jct 1400113/1400	Jct1400/ Hwy 22	7.37	4,819	0.45	0.46	Paved
1400	Unit O27 spur to Ldgs A-C	Jct1400/ Hwy 22	6.6	3,167	0.45	0.46	Paved
1400	Spur to O10B	Jct1400/ Hwy 22	5.92	1,284	0.45	0.46	Paved
Hwy 22	Jct1400/ Hwy 22	Hwy 18	24.60	9,270			
Hwy 18	Hwy 18	Willamina	5.60	9,270			
			51.74				
		Total $	$/CCF	$/Ton		37.34	Weighted Miles
	Purchaser Maint	$39,085.82	$4.22	$1.39			
	Misc Maint. (see Eng. Notes)	$0.00	$0.00	$0.00			
	Spot Rock (see worksheet)	$4,485.00	$0.48	$0.16			
	Co-op Deposits	$37,398.07	$4.03	$1.33			
	Totals	$80,968.89	$8.73	$2.88			

Temporary Road and Landing Cost Worksheet									
Sale Name	**Huck Thin**							9,270	CCF volume
	Temporary Roads					Landings			
Unit No. or temp road identifer	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
O10A	2,800	$7,000	450	$34.50	$22,525.00	$450	20	$34.50	$1,140.00
O27	2,000	$5,000	450	$34.50	$20,525.00	$600	50	$34.50	$2,325.00
O37A	750	$2,250	250	$34.50	$10,875.00	$300	20	$34.50	$990.00
O37C	1,100	$2,750	300	$34.50	$13,100.00	$300	20	$34.50	$990.00
O39	600	$1,500	200	$34.50	$8,400.00	$300	20	$34.50	$990.00
	7,250	$18,500	1650		$75,425.00	$1,950	130		$6,435
1.37									
miles				Costs per CCF:	$8.14			Costs per CCF:	$0.69
						$81,860.00			

Sale Name: Huck Thin

Spot Rock Replacement Cost Worksheet

Road No.	Miles	cuyd of rock/mi	Total cuyd rock/road	$/cuyd	Total
1400 seg 1	7.37		0	$34.50	$0.00
1400 seg 2	0.86	150	130	$34.50	$4,485.00
Waterbars***	waterbars	3 cy/waterbar	0	$34.50	$0.00
Totals	8.23		130		$4,485.00

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

Engineering Notes for
Huck Thin
8/18/2015

A. Haul route roads:

The haul routes for this sale are on National Forest System (NFS) roads and State highways. Log haul will travel generally west and south on NFS roads listed in Table 1.1 to Highway 22 then east on Highway 22 to Highway 18 then the appraisal point of Willamina, Oregon.

Maintenance on this sale is purchaser responsibility. Deposits will be collected for the paved portion of the 1400 road. Snowplowing may be necessary at upper elevations during winter use.

NFS road beginning and ending termini are detailed in Table 1.1

Table 1.1

Road No.	Miles	Beginning Milepost	Ending Termini/Milepost	Key/Non-Key
1400 seg 1	7.37	Hwy 22	1400113	Key
1400 seg 2	0.86	Jct1400/1400113	Unit O27A	Key

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.

Temporary roads have surfacing appraised to allow all season use to skyline landings. Rock for temporary roads may be any gradation (open, pit run, etc.) not to exceed 6" maximum particle size and need not meet the full requirements of specification 703 in the specified roads package.

Truck assist is not appraised for.

C. Unit Notes:

Spurs into units typically have shallow, rocky soils and moderate adverse grades.

Unit O10: Adverse grades from landings range from 10 to 18% to road 14. Unit has a mix of ground based and skyline. Temp spur will cross hiking trail in the unit and will require protection by approved means. There is limited room at skyline landings. Road could be shifted to upper unit boundary and the bulk of unit skylined all season.

Engineering Notes for
Huck Thin
8/18/2015

Unit O27: The western portion of O27 will be accessed from spur into unit O10. Spurs into unit are new construction. Spur to landings A-H wraps around the slope break. Spur to landings I-M drops from the 14 road and may require an approach constructed of imported material or riprap.

Unit O37: The original spur approach to landings A-F from road 14 is unavailable for use due to a sensitive plant in the area. This spur will require a new approach to be constructed between posted areas to avoid disturbance. Material may need to be imported for the approach. **Consultation with Forest Botanist and District Wildlife personnel is recommended prior to any construction activity.** Spur to landings A-C begins at the southern edge of the meadow. Protect wooden fence at meadows edge.

Unit O39: Mostly roadside along the 14. Spur to landings O37K and O39 M-O new construction

Table 1.2 Temporary Road Season of Haul

Temp Spurs into Unit #	All Season Option	Dry Season	All season
O10			Ldgs B-F
O27			Ldgs B-G & I-K
O37			Landings on 14
O39			Landings on 14

(X) Purchaser option to upgrade to all season

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

Road #	Presale status	Post sale planned status	Waterbars/berms
1400	Key, Open	Key, Open	None / None

E. Log Haul Operating season and Haul routes.

Unit Number	Planned Haul Route	Engineering Log Haul Operating season *
O10	1400 → Highways 22/18 → Willamina	All season
O27	1400 → Highways 22/18 → Willamina	All season
O37	1400 → Highways 22/18 → Willamina	All season
O39	1400 → Highways 22/18 → Willamina	All season

* Dry season is June 15 – October 15.

Rob Sanders
Transportation Planner
Siuslaw National Forest

BRUSH DISPOSAL TREATMENT PLAN (Ref. FSH 2409.19)	1. Forest: Siuslaw	2. District/Unit: Hebo
	3. Sale Name: HUCK THIN DXP(15102)	4. Award Date

5. Compartments or GIS Reference	6. Type of Plan: [X] Original [ ] Final [ ] Revision #	7. Purchaser	8. Contract Number

9. List of Projects	10. Work Activity	11. Unit of Work	12. Cost Per Unit	13. No. of Units	14. Cost
Fuel Inventory	HF	Acres	$9.18	231.0	$2,121
Burning of Piled Material	HF	Acres	$24.81	231.0	$5,731
Rearrangement of Fuels	HF	Acres	$559.00	0.0	$0
Piling of Fuels, Hand or Machine	HF	Acres	$5.45	0.0	$0
15. Total Project Cost					**$7,852**
16. National Program Support					**$3,219**
17. Total Cost of Funded Work (Sum of line 15 and 16) (Required Bid Deposit Amount)					**$11,071**

18. Remarks: Combined Total Cost of BD Funded Work: $11,071

Forest Collection Rate : Assessment included in unit cost

National Collection Rate for Program Support: 41%

Inflation Rate: 2%

Rate Remarks: Regional Direction FY10

PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.

19.Signature(Prepared by)	Title	Date
20.Signature(Recommended by)	Title	Date
21.Signature [Approved by)	Title	Date

Huck Thin DxP Appraisal Narrative
NEPA: South Nestucca (39933)
Sale #: 15102
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.	231	231 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.	231	Burn 36 piles
1153 (Purchaser)	Piling of Fuels, Hand or Machine	Covering the piles with a 10X10 piece of plastic.	231	Cover 36 piles
1150 (Purchaser)	Rearrangement of Fuels	Roadside treatments which include: burning of piles, chipping, mastication or scattering.	3.7	3.7 acres

Required Activities Per Unit-

Unit 10B:

Piles-
- Pile, cover, and burn 4 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-
- N/A

Wildland Urban Interface-
- N/A

Unit 27A:

Piles-
- Pile, cover, and burn 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 1400 into the unit, for a total of 1.0 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 27B and Unit 27C:

Piles-

- Piles are included unit 27A's piles section.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

Unit 37A:

Piles-

- Pile, cover, and burn 3 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-

- N/A

Wildland Urban Interface-

- N/A

Unit 37C:

Piles-

- Pile, cover, and burn 2 landing 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 37D:

Piles-

- Pile, cover, and burn 1 landing on FSR 1400 as identified on logging systems map.
- Pile, cover, and burn 2 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-

- N/A

Cont. Unit 37D:

Wildland Urban Interface-

- Treat logging slash 25 feet from the edge of FSR 1400 into the unit, for a total of 1.30 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.

Unit 39:

Piles-

- Pile, cover, and burn 3 landing 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 39D:

Piles-

- Pile, cover and burn 12 landings on FSR 1400 as identified on logging systems map. (These landings are also associated with unit 39.)
- 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-

- Treat logging slash 25 feet from the edge of FSR 1400 into the unit, for a total of 1.42 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.

*All accomplishment reporting in FACTS is in acres. The dollar amount for treating the unit is calculated by determining 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 Huck Thin STWD that there will be 36 landing piles to burn. The cost per pile for this sale is $150 which is multiplied by 36 piles= $5,400 total to burn the estimated number of piles. Dollar per acre is calculated by: $5,400 total pile burning cost /231 total acres=$23.38/acre.