

USDA - FOREST SERVICE
Stewardship: N

REPORT OF TIMBER SALE
APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)
Version 1631 (TEA 08-16)

Region: 06
Forest: 06 Mt Hood
District: 05 Clackamas River
Salvage: Y

Sale Name: 36 Pit SS
Sale Number: 51606
Appraise to: Mollolla
Appraiser: Lisa Ball

Appraisal Date: 09/29/16
Base Period Ending: 06/30/16
Competition Factor: 40%
Essential KV Cost: 0

SELLING PRICES	1	2	3	4	5	6	7	Average	Total
1. Species	D-fir	W Hem	GBCvNS						
2. Species Code	205	263	2						
3. Product/Unit	01-03	01-03	20-03						
4. Volume	998	422	123						1,543
5. Base Period Price	111.59	62.67	58.00*					93.94	
6. Base Period Index	193.96	183.98	78.00					181.99	
7. Current Index	193.02	179.80	78.00					180.24	
8. Rapid Market Adj	-2.60							-1.68	
9. Market Adj BP Price	108.05	58.49	58.00					90.51	
10. Unusual Adjustment	-140.00	-140.00						-128.84	
11. GBCv-Nonsaw Adj			-186.00					-14.83	
12. Product Quality Adj	15.00	15.00						13.80	
13. Adj Base Period Price	-16.95	-66.51	-128.00					-39.36	-60,727.32

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost	ROADS	Km	Miles	Cost
14. Stump to Truck	120.97	47.93	73.04	Specified Road Con			
15. Haul/Scale	38.43	33.48	4.95	Specified Road Rec			
16. Road Maintenance	12.03	10.95	1.08	Temporary Road Con	2.90	1.80	2,137
17. Contract	5.97	1.86	4.11	Haul Miles		35	
18. Development & Other	8.60	.14	8.46				
19. Road Const & Recon							
20. Total (lines 14-19)	186.00	94.36	91.64	DEPOSITS:	Br Disp/UM 1.71	Rd Mtc/UM .80	C(T)5.213#

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total
21. Predicted Bid Rate	74.69	25.13	-36.36					52.28	80,673.20
22. Competition Adjustment	29.88	10.05	-14.54					20.92	32,272.92
23. Property Value									
24. Indicated Adv Rate	44.81	15.08	-21.82					31.37	48,400.28
25. Base Rate	3.00	3.00	.25					2.78	4,290.75
26. Adjustment	-1.91	-1.91	22.07						2.41
27. Advertised Rate	42.90	13.17	.25					31.37	48,402.69

CCF to MBF Rate Factors:	1.7570	1.7583	2.6170					1.8047	
CCF to MBF Volume Factors:	.5691	.5687	.3821					.5541	
MBF to CCF Index Factors:	.52	.52	.52						
CCF Base Index for A(T)5a:	213.43D	198.81D							
CCF Wtd Avg Del Log Price:	155.10	113.70							
MBF Volume:	568	240	47						855
MBF Base Index for A(T)5a:	371.19	345.76							
MBF Advertised Rate:	75.38	23.16	.65						
								56.61	48,404.79
								DEPOSITS/MBF BD: 3.09	RM: 1.44



VOLUME SUMMARY SHEET

Version 4.1-100

Sale name: **36 Pit SS**
 Forest/district: **CLACKAMAS RIVER**

Cruise basis: **CCF**
 Volume type: **16-ft log**

The net volumes

Date: **07/13/16**

Cutting Unit #	Paymt Unit #	ACRES			Species or Species Groups						Total Saw Volume	Total Nonsaw Volume	Total Unit Volume	Volume Per Acre
		GB	SKY	HELI	W. Doug-fir		W. hemlock							
					saw	n-saw	saw	n-saw	saw	n-saw				
1	1	9	9	0	659	44	416	36			1,075	80	1,155	64.2
2	2	9	0	0	339	42	6	1			345	43	388	43.1
Sale Totals		18	9	0	998	86	422	37			1,420	123	1,543	57.1

PRODUCT QUALITY ADJUSTMENT - OREGON WESTSIDE

Use with Appraisal Update #8-16

Sale Name: **36 Pit SS**

Date: **29-Sep-16** (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	603.00				
	8.0"-11.99"	#3 sawmill	667.00			346.84	0.00
	12.0"-17.99"	#2 sawmill	686.00				
	18.0" - 30.0"	special mill	732.00				

\$/ton Avg	Avg lb per cf	Volume CCF
29.00	40.0	123.00

BPP for chips = **58.00** /ccf

(insert as override on TEA input screen)

Weighted average Product Quality Adjustment (PQA) for Species Group #1 = **0.00** /ccf (enter on TEA input screen as Log Pr/CCF)

Weighted average delivered log price for Species Group #1 = **0.00** /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	461.00				
	8.0"-11.99"	#3 sawmill	504.00			262.08	0.00
	12.0"-17.99"	#2 sawmill	505.00				
	18.0" - 24.0"	special mill	505.00				

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				
	12.0"-23.99"	#3 sawmill	1,019.00			529.88	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
205 burnt (50% green value)	5.0" - 7.99"	If this table is used, entry needed here	241.20	61	132	111.46	-20.96
	8.0"-11.99"		266.80	136	274	132.43	0.00
	12.0"-17.99"		274.40	263	435	165.90	33.48
	18.0" - 30.0"		292.80	108	157	201.42	68.99

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

Weighted average delivered log price for Species Group #4 = **155.10** /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
263 burnt (40% green value)	5.0" - 7.99"	If this table is used, entry needed here	184.40	27	57	87.35	-9.42
	8.0"-11.99"		201.60	60	125	96.77	0.00
	12.0"-17.99"		202.00	113	184	124.05	27.29
	18.0" - 24.0"		202.00	40	56	144.29	47.52

Weighted average Product Quality Adjustment (PQA) for Species Group #5 = **15.00** /ccf

Weighted average delivered log price for Species Group #5 = **113.70** /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.

Other Road Maintenance Items and Summary

Version 8.0

Sale name: 36 Pit Salvage Sale



Pre-Haul Maintenance

(Open roads, blading, brushing, small slide removal, etc.)

Type	Mtce By	Total Cost
T-811 - 4610 MP 2.20 to 4.30 (2.10mi @ \$280.00)	Purchaser	\$2,625.00
T-836 - 45, 4610 (7.52mi @ \$1,260.00)	Purchaser	\$2,105.60
T-842 - 45, 4610 (7.52mi @ \$770.00)	Purchaser	\$5,790.40

Post-Haul Maintenance

(Road closures, seeding, barriers, etc.)

Type	Mtce By	Total Cost
T-836 - 45, 4610 (7.52mi @ \$460.00)	Purchaser	\$3,459.20

Miscellaneous Road Maintenance Items

(Damage to roads from logging or landings, dust abatement, etc.)

Type	Mtce By	Total Cost
Hazard Trees (T-854) - All Roads (Lump Sum)	Purchaser	\$525.00
Mobilization - 8% of Purch Performed Maint	Purchaser	\$1,160.42

Data and Cost Summary

(Traveling RTM's, haul maintenance, and fixed costs included from Road Report)

Data & Cost Summary Item	Value	
Appraisal point (mill or sort yard)	Molalla	
District or Forest	Clackamas River RD	
Sale termination date	12/31/2019	
Analyst name	L. Jimenez	
Total hauled timber volume - CCF	1,543	
Maintenance Summary (all items)	Total \$'s	\$/CCF
Required rd maint deposits, FS (CT5.32)	\$1,234.63	\$0.80
Purchaser maintenance	\$15,665.62	\$10.15
Other maintenance (CT5.32)	\$0.00	\$0.00
Subtotal FS & other (CT5.32)	\$1,234.63	\$0.80
Total for appraisal - Road Maintenance (all)	\$16,900.25	\$10.95

Approval	
Prepared By <i>Lucas Jimenez</i>	7/25/2016 Project Engineer
Reviewed By	Road Systems Manager
Reviewed By	Zone Engineer

Logging Cost Summary - Estimated Stump To Truck Cost Results

Summary By Logging System and Sale

Logging System	Vol Type	Total Volume	Stump-truck \$/vol	Estimated Seasons
Skylines	ccf	578	69.20	1
Mechanized <i>Mech biomass</i>	ccf-saw	388	42.61	1
Tractor				
Shovel	ccf	578	30.24	1
Helicopter				
Sale-as-a-whole		1,544	47.93 ←	<i>sawtimber basis</i>

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

Bio stump-truck \$		Estimated total number <i>operating</i> days for sale	16
Include bio stump-truck in mech sys? →	<input type="checkbox"/>	Variable shutdown cost (all systems, if any) \$/vol	
		Include variable shutdown in system costs?	<input type="checkbox"/>
Biomass haul cost	<input type="text"/>		



Include Chipper?

Hours Used

Haul-\$'s

Select helicopter alternative

Sale: **36 Pit SS**
Date: **7/15/16**

LogCost ver **15.0**
2/4/2015

Report summary
table above in tons?



TRUCKING APPRAISAL - APPRAISAL SUMMARY

HaulCost ver 15.0

Sale name: 36 Pit SS

Geo. area: OR

Date: 15-Jul-16

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>	165.0	7.0	600.0	120.0	25.45	\$852.10	\$852.10	\$33.48	33.48
<i>with scale</i>									

Include scale cost in final haul cost

no scaling selected on DATA INPUT screen

Total haul cost, \$/ccf = **\$33.48**

Sale or Haul Narrative

100 minutes

Volume Type...

CCF

TEMPORARY ROAD COST WORKSHEET

Sale Name : 36 Pit Salvage

Sale vol. (CCF) 15,099 Total miles 1.80 Kilometers: 2.88
 Total cost all roads \$ 2,137.50 Cost per CCF \$ 0.14

Road #1	ROAD ACCESSES UNIT(S):	Old 4610113
	LENGTH OF TEMPORARY ROAD CONSTRUCTION:	9504 (Feet)
EXCAVATION	\$ 500.00 Per Mile x 1.80 Miles =	\$ 900.00
CLEARING	\$ 500.00 Per Mile x 1.80 Miles =	\$ 900.00
SPOT ROCK	\$ 40.00 Per Yard x 0 Yards =	\$ -
HAUL	 Per CuYd x Haul Miles x \$ per Mile =	\$ -
PLACE AND PROCESS	 Per Mile x Miles =	\$ -
PILING	 Per Mile x Miles =	\$ -
OTHER	Mobilization	\$ 100.00
SUBTOTAL		\$ 1,900.00
OH & DEP	0.13 (Factor) x \$ 1,900.00 Subtotal =	\$ 237.50
TEMP ROAD CLOSURES	0 X \$ 300 each =	\$ -
OTHER		\$ -
REHABILITATION (Scarification)	\$0.00 Per Hour x 300 Feet per Hour=	\$0.00
Overhead and depreciation are included in the costs per mile.		TOTAL COST : \$ 2,137.50