USDA FOREST SERVICE — REPORT OF TIMBER SALE — APPRAISAL SUMMARY

Region: 5 **Forest:** Shasta-Trinity-14 **Appr To:** Weed, Ca. (saw) - Weed, Ca. (bio) **Appraisal Date:** 21-Dec-23
Reviewed by: L.Magliano **District:** Mt Shasta-59 **Appraisal Type:** ATEAM **Rollback Factor:** 10%
Sale #: 59303 **Sale Name:** Rainbow Thin MP **Base Period:** 12/26/22-12/21/23 **Required KV Cost:**

Species and Volumes	1	2	3	4	5	6	7	Average	Total
1. Species	PP/JP	SP/WWP	WF/RF	DF	IC		CS		
2. Species Code	122	117	025	205	081		007		
3. Product-Unit of Measure	01-03	01-03	01-03	01-03	01-03		20-03		
4. % by Species	19.6%	2.4%	26.6%	24.0%	2.9%		24.5%		100.0%
5. Volume - CCF Total Conv.	1,160.82	141.15	1,578.02	1,423.94	170.69		1,454.00		5,928.62
5a. Volume - MBF Sawtimber	630.81	78.90	884.43	788.19	80.82				2,463.15
5b. Volume - Green Tons Tot C	4,055.01	508.70	5,456.71	4,411.12	480.61		3,998.67		18,910.82
6. Quality Value - $/CCF	167.90	196.22	196.16	290.60	189.39	94.00		218.63	

Sale Costs - $/CCF	Average		Road & Haul Information			Miles	Total Cost		
7. PAL Fire Protection	6.39		Specified Road Constuction						
8. Stump-to-Truck	81.05		Specified Road Reconstruction			2.81	46,893.98		
9.			Temp Road Construction			0.67	3,500.00		
10. Hauling	24.65		Haul Miles (sawlogs)			17.90			
11. Sale Specific	6.08		Haul Miles (biomass)			17.90			
12. Slash Work	0.50								
13. Erosion Control	1.22								
14. Specified Road Cost	10.48								
15. Road Maintenance	2.17								
16. Brush Disposal Deposit	0.73								
17. Surface Replacement Deposit	0.06								
18. Road Maintenance Deposit	0.04								
19. Engineering Deposit	0.45								
20. Temporary Road Cost	0.78								
21.									
22. Total Cost	134.60							134.60	

Advertised Rates - $/CCF	1	2	3	4	5	6	7	Average	Total
23. Conversion Return	33.30	61.62	61.56	156.00	54.79		-82.83	43.11	255,554.07
24. Rollback Adjustment	10.0%	10.0%	10.0%	10.0%	10.0%		10.0%	10.0%	
25. Indicated Advertised Rate	29.97	55.46	55.41	140.40	49.31		-91.11	34.73	205,911.70
26. Regional Minimum Rates	0.25	0.25	0.25	0.25	0.25		0.25	0.25	1,482.16
27. Base Rates	0.25	0.25	0.25	0.25	0.25		0.25	0.25	1,482.16
28. Adjustment to Base Rate	-11.71	-21.75	-21.72	-55.20	-19.32		91.36	0.00	0.00
29a.Advertised Rates	18.26	33.71	33.68	85.20	29.99		0.25	34.73	205,911.70
39b.Total Sale Value									205,911.70

Appraisal Factors	1	2	3	4	5	6	7	Average	Total
30. Base Indices	339.35	479.95	259.07	305.87	NA		NA		
31. Index Name Code	WWPAC	WWPAD	WWPAD	WWPAD	NA		NA		
32. Rollback Adjustment Amount	3.33	6.16	6.16	15.60	5.48		8.28		
33. Conversion Factor (mbf/ccf)	0.5434	0.5590	0.5605	0.5535	0.4735	0.5000		0.5505	saw timber
34. Timber Property Value									
35. Quadradic Mean Diameter	18.40	17.40	16.30	14.20	14.60		NA		

Species	Net MBF 6"-12"	Net MBF 13"-15"	Net MBF 16"-24"	Net MBF 25"-32"	Net MBF 33" +	Net MBF 6"-11"	Net MBF 12"-19"	Net MBF 20"-23"	Net MBF 24" +	Net MBF 6"-15"	Net MBF* 16" +	Net MBF camp run
PP/JP						278.32	272.06	67.53	12.90			
SP/WWP										40.94	37.97	
WF/RF												884.43
DF												788.19
IC												80.82
LP												

R5 TRANSACTION EVIDENCE APPRAISAL (TEA) & ATEAM

TON RATE CALCULATIONS - DUAL RATE PRICING

Version 5.1 08/29/2019 - Use for sales sold by the ton, especially multiproduct sales.

Sale name: Rainbow Thin MP

Volume and Weight Inputs

Sawtimber volume (prod 01)…

Species	CCF	MBF
PP/JP	1,160.8	630.8
SP/WWP	141.2	78.9
WF/RF	1,578.0	884.4
DF	1,423.9	788.2
IC	170.7	80.8
LP	0.0	0.0
Total Saw	4,474.6	2,463.2

(sawtimber volumes from Data Input screen)

Product weights…

Product	Tons
01 P	**14,912.2**
20 P	**2,790.6**
20 S	**1,208.1**

(from WT1 cruise report)

Estimated biomass chip volume, CCF
1,454
For Data Input screen, CS volume, CCF

Inputs From Appraisal

appraisal type: **ATEAM**

Sawtimber rates, $/ccf…

Species	Ind ad rate	Base rate	Ad rate
PP/JP	29.97	0.25	18.26
SP/WWP	55.46	0.25	33.71
WF/RF	55.41	0.25	33.68
DF	140.40	0.25	85.20
IC	49.31	0.25	29.99
LP	0.00	0.00	0.00
Total Value	338,390.00	1,118.66	205,548.20

(rate data from either TEA or ATEAM 2400-17 screen)

Nonsaw rates, $/ccf…

Species	Ind ad rate	Base rate	Base rate
CS	-91.11	0.25	0.25
Total Value	-132,478.30	363.50	363.50

(rate data from either TEA or ATEAM 2400-17 screen)

Per Ton Information for TIM and Contract - Manual Entry

Species	Product	UOM	Vol-tons	Ind ad rate	Base rate	Ad rate	Conv MBF	Conv CCF	Rollback adj.
CS	01	Ton	14,912	22.69	0.10	13.78	0.1652	0.3001	8.4027
CS	20	Ton	3,999	-33.13	0.10	0.10	0.1091	0.3636	