

TIMBER SALE APPRAISAL APPENDIX (TE) 04-2420-3

1. Sale Name: Nickelplate Stew
 District: Priest Lake RD, D8
 Appraisal Point: Priest River, Idaho

Sale No. 007 **TIM # 12804**
 Compartment: 838, 839, 840
 Total Sale Acres: 1,520

2. Species Group	C	DF, L	AF, GF	H, LP, S	Total Sawlogs	Total Non-sawlogs	Total All Products
Net Volume	1,473 CCF 631 MBF 3,401 Ton	862 CCF 465 MBF 2,866 Ton	1,540 CCF 832 MBF 5,055 Ton	7,130 CCF 3,630 MBF 23,754 Ton	11,005 CCF 5,558 MBF 35,076 Tons	2,058 CCF 1,347 MBF 6,523 Tons	13,063 CCF 6,905 MBF 41,599 Tons

3. Weighted Averages For Species Grouping

	Net	Gross					Appraisal	WWPA	Esc.	WWPA
Species	Volume	Volume	Percent	Gross	Number	Average	Conv.	Species	Conv.	Index
Group	CCF	CCF	Defect	Logs /ccf	Trees	DBH	Factor	Index	Factor	Name
C	1,473	1,558	5	24	18,338	9.2	NA	NA	NA	NA

	Net	Gross					Appraisal	WWPA	Esc.	WWPA
Species	Volume	Volume	Percent	Gross	Number	Average	Conv.	Species	Conv.	Index
Group	CCF	CCF	Defect	Logs /ccf	Trees	DBH	Factor	Index	Factor	Name
DF	690	715	4	11	1,878	14.6				
L	172	181	5	21	1,239	9.5				
Total (T) Wt. Avg. (A)	T 862	T 896	A 4	A 13	T 3,117	A 12.6	NA	NA	NA	NA

	Net	Gross					Appraisal	WWPA	Esc.	WWPA
Species	Volume	Volume	Percent	Gross	Number	Average	Conv.	Species	Conv.	Index
Group	CCF	CCF	Defect	Logs /ccf	Trees	DBH	Factor	Index	Factor	Name
AF	187	192	3	21	1,265	9.9				
GF	1,353	1,460	7	13	6,262	10.5				
Total (T) Wt. Avg. (A)	T 1,540	T 1,652	A 7	A 14	T 7,527	A 10.4	NA	NA	NA	NA

	Net	Gross					Appraisal	WWPA	Esc.	WWPA
Species	Volume	Volume	Percent	Gross	Number	Average	Conv.	Species	Conv.	Index
Group	CCF	CCF	Defect	Logs /ccf	Trees	DBH	Factor	Index	Factor	Name
H	3,433	3,801	10	20	32,800	9.5				
LP	3,271	3,561	8	16	15,369	10.7				
S	426	450	5	14	1,757	12.2				
Total (T) Wt. Avg. (A)	T 7,130	T 7,812	A 9	A 17	T 49,926	A 10.0	NA	NA	NA	NA

Combined Species Average DBH: 10"
 Sale Wide Conversion Factor (MBF/CCF): .5286
 WWPA indices for each species group: NA

4. Skidding

a. Log Fowarder	Acres 826	Volume 11,005 CCF	Distance 1850 ft
------------------------	------------------	--------------------------	-------------------------

5. Transportation Haul Route Appraised to Priest River, Idaho

(a) Haul Route Road Miles – Sale Center to Appraisal Point:

(1) Paved:

Road Number	Termini	Miles
Hwy 57	From Reeder Creek rd to the mill.	37.00
Total		37.00

(2) Unpaved:

Road Number	Termini	Miles
2242A	From m.p. 1.04 to the junction with rd 2242.	1.04
2242	From rd 2242A to the junction with the county road.	1.26
Reeder Creek Rd	From rd 2242 to the junction with Hwy 57.	0.75
Total		3.05

Total Haul Miles (Paved and Unpaved) = **40.05**

(b) Road Maintenance

(1) Roads to be Maintained:

Road No.	Name	Termini	Surface	Miles
2242A	Nickelplate A	From m.p. 1.04 to the junction with rd 2242.	Native	1.04
2242	Nickelplate	From rd 2242A to the junction with the county road.	Native	1.26
2231A	Reeder Burn A	From m.p. 0.66 to the junction with rd 2231.	Native	0.66
2231	Reeder Burn	From rd 2231A to the junction with Reeder Crk Rd.	Native	0.83
2516	Upper Reeder	From m.p. 2.93 to the junction with rd 1362.	Native	2.93
1362	Indian Creek	From rd 2516 to the junction with rd 308.	Gravel	0.82
308	Kalispell LeClerc Creek	From rd 1362 to the county portion.	Native	0.37
238	Bismark	From unit 110 landing to the junction with Hwy 57.	Native	0.05
238A	Bismark A	From unit 86 landing to the junction with Reeder Crk rd.	Native	0.10
410A	Reeder Creek A	From unit 86 landing to the junction with Reeder Crk rd.	Native	0.10
Total				8.16

(2) Recurrent Maintenance:

Road Number	Miles	Cost/ccf/mile	% Total Vol.	Cost/CCF	
				Contractor	Forest Service
2242A	1.04	.12	100		.12
2242	1.26	.12	100		.15
Snowplowing				1.50	
Total	2.30			1.50	.27

(3) Surface Replacement:

Road Number	Miles	Cost/CCF/Mile	% Total Vol.	Cost/ CCF
2242A	1.04	.11	100	.11
2242	1.26	.11	100	.14
Total	2.30			.25

(4) Roadside Vegetative Brushing:

Road Number	Miles	Cost/CCF/Mile	% Total Vol.	Cost/ CCF
2242A	1.04	.07	100	.07
2242	1.26	.07	100	.09
Total	2.30			.16

(5) Road Maintenance Summary:

	Cost/CCF	Cost/Ton
Recurrent Maintenance (Contractor)	1.50	
Recurrent Maintenance (FS)	.27	
Surface Replacement (FS)	.25	
Roadside Vegetative Brushing (FS)	.16	
Total Deposit	.68	.21
Total Road Maintenance	2.18	

6. Slash Disposal

	Cost/CCF	Cost/Ton
Forest Service	9.62	2.55
Contractor	.32	
Total	9.94	

7. Erosion Control

(See Erosion Control Plan in Timber Sale Report) \$ **.33/CCF**

8. Other Environmental Protection Costs

Description	Unit Costs	Total Cost
Noxious Weed Treatment	\$350/mile x 8.16 miles x 2 treatments =	5,712
Total Cost/CCF		.52/CCF

9. Temporary Road Costs

6 Construction: 0 miles

(b) Reconstruction: 0.1 miles

	Miles or Hours	Unit Cost	Total Cost
Reconstruction: remove berm & blade	4 hr	\$100/hr	400
Obliteration: replace berm & seed	2 hr	\$100/hr	200
Mobilization:			400
Total Reconstruction			1,000

Total Temporary Road Miles = .1 mi

Total Temporary Road Cost = **\$ 1,000**

Cost Estimate per CCF (All Species) = **\$.09/CCF**

10. Specified Roads – (See Schedule of Items for more detailed information)

Road No.	Miles	Miles	Contractor Costs	
	Construction	Reconstruction	Construction	Reconstruction
2242A Seg I		0.31		3,610.16
2242A Seg II		0.73		3,356.23
2242		1.26		9,422.15
2231A		0.66		27,924.51
2231		0.83		7,477.00
2516		2.93		3,240.82
1362		0.82		3,702.87
308		2.30		28,216.60
TOTAL		9.84		86,950.34

Total Contractor Costs: \$ 86,950.34

Estimated Cost per CCF (All Species): \$ 7.90/CCF

11. Road Reconditioning Costs - None.

Description	Unit Costs	Total Cost
Cost/CCF	NA	0

12. Base Rates

Adjustments of Base Rates (to protect regeneration costs)	Costs
Min NFF: Sale volume 13,063 x \$0.25/CCF	NA
Regeneration Costs	78,601
Regeneration Costs plus min NFF	
Total value at minimum rates *	
Amount of increase needed	
Increase per CCF	7.14

Species Group		All Sawlogs	Non-saw
Base Rate/CCF		7.14/CCF 1.89/Ton	1.00/CCF 1.89/ton

13. Small Product Adjustment - See attachment **\$ 3.73/CCF**

14. Unusual Condition Adjustment:

Description	Unit Costs	Total Cost
Flaggers along Hwy 57	6 days x 10 hr/day x \$20/hr =	1,200
		\$ 0.11/CCF