

Erosion Control - KOCC 21099 CCF

		# Landing	Acres	
Ground based acres	58.9	5	1.25	
Skyline acres	272.2	158	39.5	40.75 ac
Helicopter acres	0	0	0	

ground landings are also shared with cable and counted as cable

Skid Roads; ground based expect up to 15% of the acreage to be disturbed . Approximately 10% of this acreage will require

seed and fert...	0.15	57.9	0.1	0.9	ac
Length	Width	Sq FT/ Ac			
Temp Roads:	9858	14	43560	0.1	
				0.3	ac

use 10% of length

Total ac 41.9 seed and fert ac

use 10% of length

Seed and fertilize: one person can seed and fert 2.2 ac/day;

Acres	Ac/Day	Days	\$/Day	
41.9	2.2	19	150	\$2,856.82 labor

materials and equipment; 41.9 ac x \$175/ ac =

Ac	\$/Ac	
41.9	175	\$7,332.50 materials and equipment seed and fert

scarify skid roads: district experience on recent sales shows scarification cost to be \$100/ac over entire sale acreage

Ac	\$/Ac	
57.9	100	\$5,790.00 scarification

Total \$15,979.32

21% overhead: 1.21 \$15,979.32 \$19,334.98

Cost/ CCF \$0.92

Estimated Purchaser Cost:

The total estimated purchaser cost is estimated at \$18,508.20 or \$313.70 per acre for the 59 acres. This was estimated by the following and calculated on the spread sheet below.

Covering and re-piling of the landing piles with one laborer at \$19.92 at 5 hour per day for 59 days for covering, restacking and slash pull back is \$5,876.40. One Loader with operator at \$95.00 per hour for 120 hours is \$11,400. Pile covering, chain saw fuel, 2 cycle oil and bar oil is estimated at \$463.00. With 16 rolls of visqueen at \$26.00 per roll for \$416.00, 6 gallons saw fuel at \$4.00 a gallon for \$20.00, 1-6/2.6 fl oz of 2 cycle mix at \$14.00 per 6 for \$14.00 and 1 gallons of bar oil at \$13.00 per gallon for \$13.00.

Directional felling for was calculated at \$306.80 (See worksheet 3)

Olympic National Forest KV/BD Cost Estimation Sheet (Pile Burning Work Conducted by Forest/Slash Prepped by Purchaser)													
Sale Unit		KOCC		Treatment Type				Total Acres Treated				59.2	
Personnel Costs													
Permanent Employees with Benefits				Admin time		Pile Burning		Other		Days Per Person	Per Diem Rate	Total	
Grade	# Needed	\$/HR	OT \$/HR	Base Hrs	OT Hrs	Base Hrs	OT Hrs	Base Hrs	OT Hrs				
GS-12		\$39.87	\$40.07										\$0.00
GS-11	1	\$33.26	\$40.07	8		8							\$532.16
GS-09	2	\$27.49	\$40.07	8		12							\$1,099.60
GS-07	2	\$22.48	\$33.72	16		10	5			5	\$61.00		\$2,116.16
GS-06	2	\$20.23	\$30.35	15		40	10			5	\$61.00		\$3,442.30
GS-05	2	\$18.14	\$27.21			40	10			5	\$61.00		\$2,605.40
GS-04		\$16.22	\$24.33										\$0.00
GS-03		\$14.45	\$21.68										\$0.00
Totals				47	0	110	25	0	0	15			\$9,795.62
Vehicle Costs													
Vehicle		Mileage	Hourly									Total	
Type	Number	Rate	Rate	Mileage	Hours	Mileage	Hours	Mileage	Hours				
Type 3	E391		\$27.00				40						\$1,080.00
Type 6	E692	\$1.13				600							\$678.00
6 Pack	1778	\$0.50				600							\$300.00
Patrol		\$0.60											\$0.00
Patrol		\$0.60											\$0.00
Battalion		\$0.45											\$0.00
Battalion	7746	\$0.45											\$0.00
Division		\$0.40				400							\$160.00
Totals				0	0	1600	40	0	0				\$2,218.00
Total Project Costs													
Admin Costs		Pile Burning Costs		Other Costs + Supplies				Per Diem Totals		Supplies			
\$2,032.18		\$8,151.44		\$910.00				\$1,830.00		Item	Cost/Unit	# Units	Total
										Torch Fuel	\$5.00	50	\$250.00
										Fusee			\$0.00
										Signage			\$0.00
										Propane	\$1.50	440	\$660.00
													\$0.00
										Totals			\$910.00
Sale Size (acres)		Cost/treated acre		Cost/ acre 2017		Total 2017							
59.2		\$218.30		\$237.09		\$14,035.73							
Total Cost 2014													
\$12,923.62													
Treatment Types: DF=Directional Felling; MLS=Machine Lop and Scatter; HLS=Hand Lop and Scatter; HP=Hand Pile and Cover; MP=Machine Pile and Cover; PB=Pile Burning; A=Admin; M=Fuels Monitoring Pay Rates based on Seattle area locality at step 5.													

USDA - FOREST SERVICE
Stewardship: N

REPORT OF TIMBER SALE
APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)
Version 1421 (TEA 06-14)

Region: 06
Forest: 09 Olympic
District: 05 Soleduck
Salvage: N

Sale Name: KOCC
Sale Number: 95410
Appraise to: Beaver
Appraiser: McNealy

Appraisal Date: 06/30/14
Base Period Ending: 03/31/14
Competition Factor: 20%
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	6,688	13,185	1,226						21,099
5. Base Period Price	110.68	30.11	65.13					57.68	
6. Base Period Index	234.55	200.53	88.40					204.80	
7. Current Index	221.64	199.72	88.40					200.20	
8. Rapid Market Adj	10.40							3.30	
9. Market Adj BP Price	108.17	29.30	65.13					56.38	
10. Unusual Adjustment	10.00	10.00	10.00					10.00	
11. GBCv-Nonsaw Adj									
12. Product Quality Adj	4.97	6.12	-15.00					4.53	
13. Adj Base Period Price	123.14	45.42	60.13					70.91	1,496,142.40

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost	ROADS	Km	Miles	Cost
14. Stump to Truck	116.53	207.54	-91.01	Specified Road Con			
15. Haul/Scale	30.71	23.43	7.28	Specified Road Rec	1.19	.74	88,329
16. Road Maintenance	10.87	12.64	-1.77	Temporary Road Con	4.64	2.88	275,676
17. Contract	6.28	3.32	2.96	Haul Miles		20	
18. Development & Other	5.77	16.40	-10.63				
19. Road Const & Recon		4.19	-4.19				
20. Total (lines 14-19)	170.16	267.52	-97.36	DEPOSITS:	Br Disp/UM 1.52	Rd Mtc/UM 6.34	C(T) 5.213#

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total
21. Predicted Bid Rate	25.78	-51.94	-37.23					-26.45	-558,056.24
22. Competition Adjustment	5.16	-10.39	-7.45					-5.29	-111,615.77
23. Property Value									
24. Indicated Adv Rate	20.62	-41.55	-29.78					-21.16	-446,440.47
25. Base Rate	3.00	3.00	1.00					2.88	60,845.00
26. Adjustment	-17.62	44.55	30.78					24.04	507,285.47
27. Advertised Rate	3.00	3.00	1.00					2.88	60,845.00

CCF to MBF Rate Factors: 1.8871 1.8753 2.0231 1.8870
 CCF to MBF Volume Factors: .5299 .5333 .4943 .5299
 MBF to CCF Index Factors: .52 .52 .52
 CCF Base Index for A(T)5a:
 CCF Wtd Avg Del Log Price: 351.30 317.00 355.97
 MBF Volume: 3,544 7,031 606 11,181
 Total Tons Removed: 19,611 42,649 3,862 66,122
 Net CCF to Tons Conversion Factor for C8.3#(Option 1) or K-I.3.1#: 3.1339 DEPOSITS/Ton BD: .49 RM: 2.02