

VOLUME CALCS (Based on FORVIS PLOT CRUISE) ***
BLUE CREEK EAST TIMBER SALE

Species	Estimated GROSS Volume (BF) per Acre	Estimated Gross Volume (TONS) per Acre (Weight to be hauled away. Weight payment is based on.)	Est. Defect (%)	Est. NET Volume (BF) per Acre	Est. NET Volume (Tons) per Acre
WWP <=9" Top Diameter	0	0.00	5%	0	0.00
WWP > 9" Top Diameter	0	0.00	15%	0	0.00
DF <=9" Top Diameter	2473	11.25	5%	1527	10.69
DF > 9" Top Diameter	7975	36.29	15%	4406	27.67
WL <=9" Top Diameter	0	0.00	5%	0	0.00
WL > 9" Top Diameter	0	0.00	10%	0	0.00
GF <= 9" Top Diameter	589	2.68	5%	364	2.55
GF > 9" Top Diameter	1503	6.84	15%	831	5.22
WH <= 9" Top Diameter	0	0.00	5%	0	0.00
WH > 9" Top Diameter	0	0.00	15%	0	0.00
WRC <=9" Top Diameter	0	0.00	5%	0	0.00
WRC >9" Top Diameter	0	0.00	10%	0	0.00
LPP <=9" Top Diameter	0	0.00	5%	0	0.00
LPP >9" Top Diameter	0	0.00	10%	0	0.00
PP <=9" Top Diameter	247	1.12	5%	152	1.07
PP >9" Top Diameter	507	2.31	15%	280	1.76
FUELWOOD	0	0.00	0%	0	0.00
TOTALS	13294	60.49	12.51%	7560.17	48.95

ESTIMATED GROSS SALE VOLUME (MBF)	2549	EST. GROSS SALE VOLUME (TONS)	17,844
ESTIMATED NET SALE VOLUME (MBF)	2230	EST. NET SALE VOLUME (TONS)	14,440

% VOLUME CORRECTION FOR OPENINGS	35%
% NET SALE SAWLOG VOLUME	71%
% NET SALE SMALL WOOD VOLUME	29%
% NET SALE FUELWOOD VOLUME	0%

		Minimum Stumpage \$/Ton	Minimum Stumpage \$/MBF
TONS/MBF - SAWLOGS	6.65	\$17.45	\$109.58
TONS/MBF - SMALL WOOD	7.00	\$17.45	\$122.14
TONS/MBF - FIREWOOD	8.00	\$2.00	\$16.00

WEIGHTED MINIMUM STUMPAGE (\$/mbf)	\$113.25
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CONTRACT APPRAISED PRICE: BLUE CREEK WEST TIMBER SALE				(MINIMUM STUMPAGE SET @ \$2/TON)		
"OTHER COSTS" where adjusted so only specific sale species carried these costs.						
OTHER COSTS	OHC	EST. COSTS	COST AFTER OHC	SALE VOLUME (TON)	OTHER COST (\$/TON)	ADJUSTED OTHER COSTS (\$/TON) [Ton Wood Volume Excluded]
Road Recl. and Closures	0.000	\$20,400	\$20,400	14440	\$1.41	\$1.41
Weeds	0.186	\$5,033	\$5,969	14440	\$0.41	\$0.41
Non-specialized Slash Treat.	0.000	\$5,600	\$5,600	14440	\$0.39	\$0.39
Specialized Brush/Slash Treat.	0.000	\$20,250	\$20,250	14440	\$1.40	\$1.40
Burning	0.186	\$0	\$0	14440	\$0.00	\$0.00
Road Construction	0.000	\$0	\$0	14440	\$0.00	\$0.00
Road Renovation	0.000	\$16,900	\$16,900	14440	\$1.17	\$1.17
Regular Road Maint.	0.000	\$0	\$0	14440	\$0.00	\$0.00
Final Road Maint	0.000	\$0	\$0	14440	\$0.00	\$0.00
Grass Seed/Application	0.000	\$8,560	\$8,560	14440	\$0.59	\$0.59
TOTAL COSTS		\$59,177	\$59,837	9,220	\$6.03	\$6.03

SPECIES	AVE. DELIVERED LOG PRICE	LOGGING COSTS (\$/TON)	PROFIT & RISK	PRE HAUL STIMAGE (\$/TON)	HAULING COSTS (\$/TON)	OTHER COSTS (\$/TON)
DF/WL<=8"	\$61	\$30	0.18	\$25	\$0	\$5.38
DF/WL>8"	\$67	\$30	0.18	\$30	\$0	\$5.38
TON WOOD (DF, WL, GF, LLP, SAF, ES)	\$7	\$30	0.18	(\$19)	\$0	\$5.38
GF/WH	\$65	\$30	0.18	\$29	\$0	\$5.38
LPP	\$61	\$30	0.18	\$26	\$0	\$5.38
ES/SAF	\$56	\$30	0.18	\$22	\$0	\$5.38
MH	\$8	\$30	0.18	(\$18)	\$0	\$5.38
PP<12"	\$42	\$30	0.18	\$10	\$0	\$5.38
PP 12"-17"	\$43	\$30	0.18	\$11	\$0	\$5.38
PP>17"	\$43	\$30	0.18	\$11	\$0	\$5.38
DEAD (BLUED) PP	\$14	\$30	0.18	(\$13)	\$0	\$5.38
WRC<10"	\$121	\$30	0.18	\$74	\$0	\$5.38
WRC>=10"	\$123	\$30	0.18	\$77	\$0	\$5.38
WWP	\$47	\$30	0.18	\$14	\$0	\$5.38
WWP -DEAD	\$13	\$30	0.18	(\$14)	\$0	\$5.38
GENERAL PULP	\$4	\$30	0.30	(\$18)	\$0	\$5.38
Firewood	\$3	\$31	0.30	(\$20)	\$0	\$5.38

CONTRACT APPRAISED PRICE CONTINUED: BLUE CREEK WEST TIMBER SALE				(MINIMUM STUMPAGE SET @ \$2/TON)	
"OTHER COSTS" where adjusted so only specific sale species carried these costs.					
SPECIES	ROLL BACK (OTHER COSTS - ADJUSTED COSTS)	TOTAL COSTS (\$/TON)	STUMPAGE (\$/TON)	SALE (TON)	TOTAL VALUE
DF/WL<=8"	\$0.00	\$41	\$20	0	\$0
DF/WL>8"	\$0.00	\$42	\$25	8163	\$204,077.80
TON WOOD (DF, WL, GF, LLP, SAF, ES)	\$0.00	\$31	\$2	3905	\$7,809.67
GF/WH	\$0.00	\$42	\$23	1539	\$35,389.89
LPP	\$0.00	\$41	\$20	0	\$0
ES/SAF	\$0.00	\$40	\$16	0	\$0
MH	\$0.00	\$31	\$2	0	\$0
PP<12"	\$0.00	\$38	\$5	315	\$1,574
PP 12"-17"	\$0.00	\$38	\$6	519	\$3,111
PP>17"	\$0.00	\$38	\$6	0	\$0
DEAD (BLUED) PP	\$0.00	\$33	\$2	0	\$0
WRC<10"	\$0.00	\$52	\$69	0	\$0
WRC>=10"	\$0.00	\$52	\$71	0	\$0
WWP	\$0.00	\$38	\$8	0	\$0
WWP -DEAD	\$0.00	\$32	\$2	0	\$0
GENERAL PULP	\$0.00	\$28	\$2	0	\$0
Firewood	\$0.00	\$28	\$2	0	\$0
TOTAL			\$17.45	14,440	\$251,963 **

OTHER COST CALCULATIONS

ROAD RECLAMATION/CLOSURES

Location	Quantity (#, Ft, etc)	Unit of Measure	Cost/Hr w/Opr, Cost per trip, etc.	Hours, # Trips, Quantity, etc.
Gate Construction & Install	1	\$4000	1	\$4,000
Trail Rehabilitation (Haul Road)	16,727	\$120	120	\$14,400
Move In/Out Costs	4	\$500		\$2,000
Totals	12,807			\$20,400

WEED MANAGEMENT

Location	Distance (feet)	Acres	Chem & Labor/Acre	TOTAL COSTS
Access Roads	17,389	19.96	\$180.00	\$3,593
Landings & Other		8.00	\$180.00	\$1,440
Totals	17,389	27.96		\$5,033

NON SPECIALIZED SLASH TREATMENT

Unit	Acres	Slash Treatment	Type of Equipment	Cost per MBF	Total Cost
Road/Sale Area	40	Grapple Pile	Excavator	\$29	\$5,600
Totals	171				\$5,600

ROAD CONSTRUCTION/RENOVATION

Location	Relocation & Constr. (Feet)	Cost/Foot \$/Ft.	Equipment Used	Cost Per Hour for Equip	Hours Used
Main Haul Roads Renovation		17,389	\$0.40	CAT GRADER 16G	\$115
Rock Placement on Yellowstone Approach		3,000	\$1.20	Dump Truck	\$90
New Construction		3,000	\$2.13	Excavator	\$160
Culvert Installation		6,630	\$0.83	Excavator	
Magnesium Chloride					
Other	Other Costs	Move in/out Costs	Renovation Costs	TOTAL	Location
CAT GRADER 16G	\$0	\$500	\$6,900	\$7,400	Main Haul Roads Renovation
Dump Truck	\$0	\$500	\$3,600	\$4,100	Rock Placement on Yellowstone Approach
Excavator	\$0	\$0	\$6,400	\$6,400	New Construction
Culvert Installation	\$2,000	\$0		\$2,000	Culvert Installation
Magnesium Chloride	\$5,500	\$0		\$5,500	Magnesium Chloride
Totals	\$7,500	\$1,000	\$16,900	\$25,400	

GRASS SEEDING

Location	Distance (feet)	Acres	Lbs/Acre	Seed Costs \$/lb.	Application Costs	Total Seed Costs
Haul Roads	17,389	19.96	44	\$4.75	\$499.00	\$4,670.60
Skid Trails/Landings		16.62	44	\$4.75	\$415.50	\$3,889.08
Totals	17,389	36.58	44	\$2.50	\$132.99	\$8,559.68

**The Timber Sale Information System (TSIS) rounds figures which are used for determining the final appraisal value. This spreadsheet does not account for rounding therefore figures may be different then the TSIS appraised price.