

2450

NORTHERN REGION - R-1

FOREST = 10 - Flathead *

DISTRICT 01 - Swan Lake *

Expiration Date = April 1, 2015

V14.1

TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT

Huey

(SALE NAME)

Select Contract Type

TIM # 15102

TYPE 6 - Contract Form 2400-6

UOM TON

Prepared by (Signature)

(Date)

Prepared by (Signature)

(Date)

Approved by (Signature)

(Date)

Reviewed by (Signature)

(Date)

All attached documents and specifications for this timber sale have been completed in accordance with regulations at 36 CFR, Part 223, Subpart B, and the applicable Forest Service Manual and Handbook requirements and standards related to timber sales. Furthermore, the environmental documentation and NEPA decision have been reviewed; no significant new information or changed circumstances relating to the environmental impacts of this proposed action exist that require a correction, supplement, or revision to the documentation or decision; and implementation (advertisement) should continue.

Certification Reports for Gates 3 and 4 from TIM are attached to this timber sale report.

Timber Sale Final Package Approved By:

(Date)

TIMBER SALE INFORMATION

TIM, Gate 3, Create Timber Sale (Prep101)

Sale Area Description:

Primary County Name (FIPS Code): *

Sale Area Legal Description (short T & R):

Sale Area Legal Description (long):

The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.

Compartment (s):

Environmental Documentation:

Project Association: List NEPA Project(s) that approved the timber sale.

<u>NEPA Document Name</u>	<u>Percentage of Sale Volume (CCF)</u>
<input type="text" value="Wild Cramer"/>	<input type="text" value="100"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

The above NEPA Document(s) shall be included in the Prospectus, General Narrative, TIM Gate 4 - Prospectus (ADVR115). Include the following statement in the Prospectus: The environmental document(s) that approved this sale:_____

Briefly describe additions or changes made to project design during timber sale preparation.

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

Purpose (TIM -PREP101)

Activity

% of Sale Volume - CCF (TIM - PREP101)

TC - Timber Commodity Purpose *	01 - Timber Purpose *	40
TC - Timber Commodity Purpose *	10 - Forest and Health *	40
FS - Forest Stewardship Purpose *	10 - Forest and Health *	20

SALE PURPOSE AND ACTIVITY CODING INSTRUCTIONS

www.fs.fed.us/im/directives/fsh/2409.18/2409.18_20.doc

SALVAGE SALE FUND INFORMATION

TIM, Gate 4, Salvage Sale Fund Plan (ADVR112)

Reference to FSH 2409.19 - 71.12 - for assistance with SSF collections

https://fs.usda.gov/FSI_Directives/wo_2409.19_70.doc

SSF Silviculture Treatment Type (Pick one)

Salvage Component with Sanitation, Stand Improvement, or Regeneration *
(Use for all other sales - stand(s) that include a salvage component)

SSF Volume (CCF): % of total volume

FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS (Salvage Fund) %

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

CRUISE INFORMATION

CRUISE: # CHECK CRUISE:
Date of Cruise Date of Check:
Cruisers:

Eric Jupin	
Darin Nichols	
Max Zink (t)	
Andrew Presnar (t)	
Caitlin Sailer (t)	

 Cruisers:

Method: Results:
SE%:

Method of determining ROW volume:

Sample Tree of trees within clearing limits as defined by engineers

Basis for Percent Defect:

Small adjustment for hidden defect and additional breakage in addition to seen defect, anticipate mechanized harvest in tractor units and hand falling in most skyline units.

TOTAL CF VOLUME BY UNIT --- NCS REPORT (UC5)

Unit #	Acres	Sawtimber	CCF	Non-Saw	CCF
244	4.6	8007	80	3594	36
245	15.3	26630	266	11955	120
253	6.8	11836	118	5313	53
254	15.9	27675	277	12424	124
254A	2.7	4699	47	2110	21
256	32.6	56742	567	25473	255
256A	22.1	38466	385	17269	173
257	49.3	85809	858	38523	385
263	19.5	33941	339	15237	152
263A	2.1	3655	37	1641	16
263B	0.4	696	7	313	3
264	21.2	36900	369	16566	166
265	33.2	57786	578	25942	259
266	37.2	52654	527	28029	280
267	24	33970	340	18083	181
268	11.8	16702	167	8891	89
275	5.1	7219	72	3843	38
276	12.2	17268	173	9192	92
279	9.7	13730	137	7309	73
280	7.2	10191	102	5425	54
281	20.1	28450	285	15145	151
281A	5.7	8068	81	4295	43
281B	3.1	4388	44	2336	23
282	15.9	22505	225	11980	120
282A	3.4	4812	48	2562	26
283	11	15570	156	8288	83
283A	3.4	4812	48	2562	26
284	12.4	21583	216	9689	97
284A	7.3	12706	127	5704	57
285	14.6	25412	254	11408	114

ROW units need to be entered last

NET
MBF/CCF Ratio from
NCS Report CS1

Sawtimber (Product 01) **0.47580**

Non-Saw (Product 08) **.54807**

If no Primary Non-Saw
 Enter Secondary
 Volumes Below

Net bdf

Net cf

Non-Saw (Product 08)

TOTAL SALE UNIT VOLUME (CCF)	1393686	Sawtimber	6930	13938	650320	Non-Saw	3310	6504
			(Sheet 1)	(Sheet 1&2)			(Sheet 1)	(Sheet 1&2)

TOTAL SALE CF VOLUME BY SPECIES --- NCS REPORT (R101)

Species	Saw	Rounded	%Defect	Av. DBH	Logs/Unit
AF	56053	561	12	8.9	22.3
C		0			
DF	571246	5713	13	11	16.1
GF	102488	1025	13	9.5	21.5
H		0			
L	228839	2288	12	10.3	19.9
LP	391983	3920	10	8.2	24.9
PP		0			
S	43078	431	6	7.6	25.6
WP		0			

NCS REPORT (UC5)

Non-Saw	Rounded
30009	300
	0
183908	1839
24365	244
	0
111456	1115
275960	2760
	0
24624	246
	0

TOTAL VOLUME	1393687	CCF	650322	CCF
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ROUNDED VOLUME IS THE DIFFERENCE BETWEEN UNIT VOLUME AND SPECIES VOLUME (AFTER ROUNDING TO CCF) ADDED TO THE SPECIES WITH THE LARGEST VOLUME

**CUTTING UNIT DESCRIPTION
(TIM GATE 3 - PREP 104)**

**VOLUME - DIRECT ENTRY
(TIM GATE 3 - PREP 103)**

Unit #	P.U.#	CUTTING UNIT DESCRIPTION (TIM GATE 3 - PREP 104)						VOLUME - DIRECT ENTRY (TIM GATE 3 - PREP 103)						
		Cruise Unit Acres	Appraisal Unit Acres	ROW Acres	Logging Method	Harvest Method	Land Suit Class	MA	Unit Volume CCF		Yield Component		Unit TONS	
									Sawtimber	Non-Saw	CL	NL	Saw	Non Saw
ROW units need to be entered last														
244	244	4.6	4.6		430	115			80	36			242	97
245	245	15.3	15.3		430	115			266	120			804	324
253	253	6.8	6.8		430	115			118	53			357	143
254	254	15.9	15.9		420	134			277	124			837	335
254A	254	2.7	2.7		450	134			47	21			142	57
256	256	32.6	32.6		420	134			567	255			1714	689
256A	256	22.1	22.1		430	134			385	173			1164	468
257	257	49.3	49.3		420	134			858	385			2594	1041
263	263	19.5	19.5		420	134			339	152			1025	411
263A	263	2.1	2.1		450	134			37	16			112	43
263B	263	0.4	0.4		450	134			7	3			21	8
264	264	21.2	21.2		430	220			369	166			1116	449
265	265	33.2	33.2		430	115			578	259			1747	700
266	266	37.2	37.2		420	115			527	280			1593	757
267	267	24	24		420	115			340	181			1028	489
268	268	11.8	11.8		420	115			167	89			505	241
275	275	5.1	5.1		420	134			72	38			218	103
276	276	12.2	12.2		430	115			173	92			523	249
279	279	9.7	9.7		430	115			137	73			414	197
280	280	7.2	7.2		420	134			102	54			308	146
281	281	20.1	20.1		420	134			285	151			862	408
281A	281	5.7	5.7		430	134			81	43			245	116
281B	281	3.1	3.1		430	134			44	23			133	62
282	282	15.9	15.9		430	134			225	120			680	324
282A	282	3.4	3.4		420	134			48	26			145	70
283	283	11	11		420	134			156	83			472	224
283A	283	3.4	3.4		420	134			48	26			145	70
284	284	12.4	12.4		430	134			216	97			653	262
284A	284	7.3	7.3		430	134			127	57			384	154
285	285	14.6	14.6		430	134			254	114			768	308
Totals Sheet 1		429.8	429.8	0					6930	3310	0	0	20951	8948

Total Sale Area: **5924** Sale Area Acres
 Total Cutting Area: **429.8** Acres
 (Sheet 1)

Total Sawtimber (Sheet 1) **6930** CCF
 Total Saw + Non-Saw (Sheet 1) **10240** CCF

**CUTTING UNIT DESCRIPTION
(TIM GATE 3 - PREP 104)**

**VOLUME - DIRECT ENTRY
(TIM GATE 3 - PREP 103)**

Unit #	P.U.#	Cruise	Appraisal	ROW	Logging	Harvest	Land Suit	Unit Volume CCF		Yield Component		Unit	
		Unit Acres	Unit Acres	Acres	Method	Method	Class	MA	Saw+Add	Non-Saw	CL	NL	Saw
ROW units need to be entered last													
286	286	25.8	25.8		430	134			449	202			1357
287	287	31.7	31.7		430	115			552	248			1669
288	288	11.2	11.2		430	115			159	84			481
288A	288	8.7	8.7		420	115			123	66			372
289	289	16.6	16.6		430	115			289	130			874
290	290	4.6	4.6		420	134			65	35			197
291	291	6.8	6.8		420	134			118	53			357
292	292	7.5	7.5		420	134			106	57			320
293	293	37.6	37.6		420	134			654	294			1977
294	294	39.7	39.7		420	115			691	310			2089
295	295	8.8	8.8		430	220			125	66			378
295A	295	8.9	8.9		420	220			126	67			381
296	296	18.5	18.5		430	220			322	145			973
297	297	7.5	7.5		430	220			131	59			396
297A	297	2.1	2.1		420	220			37	16			112
298	298	58.6	58.6		420	134			1020	458			3084
299	299	15.3	15.3		420	134			266	120			804
300	300	13.8	13.8		420	115			240	108			726
301	301	18.4	18.4		420	115			320	144			967
302	302	35	35		430	115			609	273			1841
302A	302	4.3	4.3		420	115			75	34			227
303	303	15.8	15.8		430	115			275	123			831
304	304	10.9	10.9		430	115			190	85			574
ROW	ROW	0	0	5	420	270			66	17			200
		0	0						0	0			0
Total (Sheets 1&2)		837.9	837.9	5					13938	6504	0	0	21187

Total Sale Area: **5924** Sale Area Acres
 Total Cutting Area: **837.9** Acres
 (Sheets 1&2)

Total Sawtimber (Sheets 1&2) **13938** CCF
 Total Saw + Non-Saw (Sheets 1&2) **20442** CCF

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

<u>Species</u>	<u>Defect %</u>	<u>Net Volume</u>	<u>Total Additional</u>	<u>Total Net</u>	<u>Tons Per CCF</u>	<u>Total Tons</u>
AF	12	561	0	561	2.4735	1388
C	0	0	0	0	2.3540	0
DF	13	5713	0	5713	3.0160	17230
GF	13	1025	0	1025	3.1275	3206
H	0	0	0	0	3.2425	0
L	12	2288	0	2288	3.1935	7307
LP	10	3920	0	3920	3.0210	11842
PP	0	0	0	0	3.2230	0
S	6	431	0	431	2.7040	1165
WP	0	0	0	0	3.2230	0
TOTAL =	12	13938	0	13938	3.0232	42138

Net MBF/CCF Ratio For
Sawtimber From NCS
Report CS1 **.47580**

TIM	Prep 105
Conversion	Factors
MBF	CCF
.15740	.33080

NON-SAWTIMBER - CCF

<u>Species</u>	<u>Net Volume</u>	<u>Additional Non-Saw</u>	<u>Total Net</u>	<u>Tons Per CCF</u>	<u>Total Tons</u>
AF	300		300	2.3340	700
C	0		0	2.1400	0
DF	1839		1839	2.7885	5128
GF	244		244	2.9470	719
H	0		0	3.0590	0
L	1115		1115	3.0785	3433
LP	2760		2760	2.5197	6954
PP	0		0	3.1510	0
S	246		246	2.6330	648
WP	0		0	3.1500	0
TOTAL =	6504	0	6504	2.7033	17582

51% %Dead

Net MBF/CCF Ratio For
Non-Sawtimber From NCS
Report CS1 **.54807**

TIM	Prep 105
Conversion	Factors
MBF	CCF
.20270	.36990

TOTALS =	<u>Gross</u> 0	<u>Net</u> 20442	<u>Tons</u> 59720
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APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	<u>20442</u>
APPRAISAL VOLUME (CCF)	<u>13938</u>
CONTRACT VOLUME (TONS)	<u>59720</u> (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	<u>2.9200</u>

LOGGING METHOD SUMMARY

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals
Acres	467	5	366	0	0	0	838	0
Volume	7693	91	6154	0	0	0	13938	0
AEYD	854	218	703	0	0	0		
% Acres	56%	1%	44%	0%	0%	0%		
% Vol	55%	1%	44%	0%	0%	0%		

HARVEST METHOD SUMMARY

	ClearCut	Seed Tree	Shelter Wood	Final Seed Tree	Intermed	Final Shelter wood	Selection	TOTAL
Acres	360.9	410	0	0	67	0	0	838
Volume	5909	6853	0	0	1110	0	0	13872
% Acres	43%	49%	0%	0%	8%	0%	0%	
% Vol	43%	49%	0%	0%	8%	0%	0%	

CCF

CCF

ASSIGN CONTRACT SPECIES

TIM Gate 3 - Prep 105

Contract Species Association

Contract species shall be grouped to reflect differences in utilization and/or how species shall be grouped in A(T) 2 of the Timber Sale Contract.

All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species

UTILIZATION STANDARDS

TIM Gate 4 - Contract Prep Information ADVR114

Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.

Contract Species (Major Species Group)	Full Name for Contract	Conversion Factors (only applicable to weight scale sales) (Enter from Species Volume Summary)		Minimum Specifications				
		MBF	CCF	DBH	Number of Pieces	Length	DIB	Merch. Factor
		DF&C Live and Dead	DF and Other Spp	0.1574	0.3308	7	1	8.0
LP Live and Dead	Lodgepole pine	0.1574	0.3308	6	1	8.0	5.6	10.67
				0	0	0.0	0	0
<input checked="" type="checkbox"/> # CS	Live and Dead	0.2027	0.3699	4	1	8.0	2.5	N/A
<input type="checkbox"/> C14	Cedar Products - Net Merch. Factor - Refer to C(T)6.804#			0	0	0.0	0	0

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point: **Split (Foothills and Willis/Bonner)**

DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$45.61	
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	6,504	
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	17,582	
Tons / CCF for nonsawtimber material	2.70	0.00 Adjustment
Total Appraised Sawlog Volume (CCF)	13,938	
Total One Way Weighted Haul Miles	109	Adjustment

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF)	1,976	1,449	
Net MBF / Acre Harvested for nonsawtimber primary product	2.3	2.1	0.0
Average DBH Harvested for nonsawtimber primary product	5.8	5.8	0.0
Average Yarding Distance (Feet)	854	460	0
Nonsawtimber Primary Product (Tons)	5,342	3,917	0
Net Tons / Acre Harvested for nonsawtimber primary product	6.3	5.8	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	\$8.46
Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF)	\$0.00

A Negative Adjustment has been Rounded to Zero

LP Non-Saw

Report CS 4 - Nonsaw

Live LP Nonsaw Pri. and Sec. (CS4)	Dead LP Primary Nonsaw (CS4)	Total LP Live and Dead Pri/Sec Nonsaw	Total LP Primary Nonsaw (R101)	Total LP Secondary Nonsaw	Total Live LP Primary Nonsaw
137530	140591	278121	145601	132520	5010
<u>1375</u>	<u>1406</u>	<u>2781</u>	<u>1456</u>	<u>1325</u>	<u>50</u>
% of Tot	% of Tot				
0.4945	0.5055				
Tons/CCF	Tons/CCF				
3.0200	2.0390				
Average Tons/CCF					
<u>2.5241</u>					
Enter on Species Appraisal (Tons)					
				LPD Prim	1406
				LPL Prim	50
				LP Sec	1325
				Total	2781
% LPD Prim. Post Material			20%	710 Tons	
LPL Prim. and LP Secondary			3471 Tons		
Total LP Post and Pole Material			4181 Tons		
Entered from Appraisal CCF to Ton Worksheet					
Total Nonsaw Tons			17582 Tons		
Other Nonsaw Material			13401 Tons		

Nonsaw Value and Weighted Haul

Appraisal Point (P&P Material)		Foothills Post and Pole			
Species	Weighted Haul Miles		Total Haul	Qty (Tons)	Value/Ton
LPL, LPD	Gravel	Paved			
	6	68	74	4181	\$70.00
Appraisal Point		Bonner, MT			
Species	Weighted Haul Miles		Total Haul	Qty (Tons)	Value/Ton
All Other	Gravel	Paved			
	6	114	120	13401	\$38.00
Total Nonsaw (Tons)		17582			
Weighted Haul Miles		109.1		Weighted Value/Ton	\$45.61

RIGHTS - OF - WAY

(Include Cost share Agreements)

Road Name	Road #	Length	Type of Agreement	Agreement with (Names)

ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

Contract Rates

	\$/CCF	\$/TON	
Total Performance Recurrent Maintenance (Part A)			
C(T)5.31 - Recurrent Maintenance	\$3.52	\$1.16	
C(T)5.312 - Reconditioning	\$0.00	\$0.00	
Total Performance (Part A)	\$3.52	\$1.16	(A)
Total Required Deposits (Recurrent and Deferred) (Part B)	\$1.83	\$0.61	Recurrent
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADV105)	\$0.00	\$0.00	Deferred
C(T)5.32# - Total Required Deposits (Part B)	\$1.83	\$0.61	(B)
C(T)5.314 - Total Dust Abatement (Part C)	\$0.00	\$0.00	(C)
TOTAL MAINTENANCE COST (Parts A-B-C)	\$5.35	\$1.77	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	\$ \$1.83 CCF
Total Road Maintenance Costs (Performance + Deposits)	\$ \$5.35 CCF

*Refer to Road Maintenance Appraisal for Road Reconditioning cost per road segment.
(Attach worksheets with road costs)*

Specified Road Construction

LOGGING METHOD SUMMARY

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	TOTAL
Acres	467	5	366	0	0	838
Volume	7693	91	6154	0	0	13938
EYD	854	218	703	0	0	

Check Box if accomplishing road construction or re-construction work under timber sale.

Appraisal information required for the 2400-17 report is to be summarized from the Identify Facilities

SPECIFIED ROAD COST

	<u>Miles</u>	<u>Total Cost</u>
Construction	1.2	\$63,164
Reconstruction		
Total Cost	\$63,164	/ 13938 CCF = \$4.53 \$ / CCF

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks \$381,488.00
 (Subtotal for Required Reforestation with National Program Support Cost Included)

Note: Base Rates may be raised for regeneration on only the Sawtimber component for green sales or % of Live Sawtimber on Salvage sales.
 In previously partial cut stands that are to be regenerated, protected regeneration cost shall be proportionate to remaining volume in the sale.

Sale Volume (ALL Vol./Products) _____ CCF X \$0.25 (NFF) 20,442 \$0.25 \$5,110.50

Select Either (a) or (b)

(A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. = \$381,488.00 100% \$381,488.00 (d) 68% % Sawtimber

(B) Salvage Sales enter % Live Sawtimber Volume; Partial Cut Stands enter % Volume remaining.

=

Total: \$386,598.50 (a)

<u>Species Groups</u>	<u>Volume (CCF)</u>	<u>Minimum Rates 1/</u>		<u>Base Rates 2/</u>	
		Per CCF	Total	Per CCF	Total
WP, PP, C	0	\$5.00	\$0.00	0	\$0.00
All other species (list)	13938	\$3.00	\$41,814.00	\$27.27	\$380,094.50
Nonsawtimber (all species)	6504	\$1.00	\$6,504.00	\$1.00	\$6,504.00
TOTALS	20442	XXXXX	\$48,318.00	XXXXX	\$386,598.50
Sawtimber (Appraisal) Volume	13938	(b)			
		Weighted Average Minimum Rate		\$3.00	

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF) \$338,280.50 (c)

Note: If minimum rate total (b) => (a) no adjustment needed → Adjust Base Rate

Adjustment To Minimum Rate:
 \$ _____ (c) / (Total Sawtimber Volume) CCF = \$ ____/CCF \$338,280.50 13,938 \$24.27

1/ Minimum rates: FSH 2409.22, Chp 80, Sect. 81
 (Base rates for Sawtimber can be weighted if appraising and advertising as a single species group (DF,O))

2/ Minimum rate + adjustment = Base Rate

FACTS INFORMATION
 (Enter Sale Information - SAIP100)

Amount of Stumpage Available for Protected KV at Base Rates = \$381,488.00
 (The only stumpage available for KV at advertised rates is when KV is protected by base rates)

BRUSH DISPOSAL

From FACTS - Detailed Listing of BD and Purchaser Slash Treatment Activities

Appraisal Rates for 2400-17 (Applied to Sawtimber only)

Forest Service Rate (Fund Code BDBD) \$82,130.00 Total \$ (a) \$5.89 CCF

Purchaser Rate (Fund Code PPPP) \$140,530.60 Total\$ (b) \$10.08 CCF

TOTAL: (a) + (b) = \$15.97 CCF

Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD) \$4.02 CCF

(Rate Per CCF Converted to Tons for Weight Scale Contracts) \$1.38 TON

Lump Sum BD Deposits for Weight Scaled Sales

Cutting Unit Number	Required Deposits
244	\$467.94
245	\$1,557.16
253	\$689.83
254	\$1,617.67
254A	\$274.32
256	\$3,316.02
256A	\$2,251.02
257	\$5,014.37
263	\$1,980.74
263A	\$213.81
263B	\$40.34
264	\$2,158.24
265	\$3,376.53
266	\$3,255.51
267	\$2,101.76
268	\$1,032.73
275	\$443.75
276	\$1,069.03
279	\$847.16
280	\$629.32
281	\$1,758.86
281A	\$500.23
281B	\$270.28
282	\$1,391.76
282A	\$298.52
283	\$964.15
283A	\$298.52
284	\$1,262.67
284A	\$742.27
285	\$1,484.54

Total Cost \$41,309.05

(Sheet 1)

BRUSH DISPOSAL

Lump Sum BD Deposits for Weight Scaled Sales

Cutting Unit Number	Required Deposits
286	\$2,626.19
287	\$3,227.27
288	\$980.28
288A	\$762.44
289	\$1,690.28
290	\$403.41
291	\$689.83
292	\$657.56
293	\$3,824.32
294	\$4,038.12
295	\$770.51
295A	\$778.58
296	\$1,883.92
297	\$766.48
297A	\$213.81
298	\$5,962.38
299	\$1,557.16
300	\$1,403.86
301	\$1,871.82
302	\$3,558.07
302A	\$439.72
303	\$1,605.57
304	\$1,109.37
ROW	\$0.00
	\$0.00

Total Cost

\$82,130.00

(Sheets 1&2)

EROSION CONTROL

Seed mix is to be included in C(T)6.601# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.

Make sure that the seed mix and fertilizer are the same in both Contract and Road Package.

Site specific areas, such as gravel pits and very dry sites may call for more and/or different species in the mix. Document below the rationale for deviation from the standard seed mix.

Species of Seed	Pounds per Acre
-----------------	-----------------

Blue Wildrye	5
Mountain Brome	9
Bluebunch Wheatgrass	4
Slender Wheatgrass	6

TOTAL	24
--------------	-----------

Type of Fertilizer	Pounds per Acre
--------------------	-----------------

25-10-10 or 27-12-12 or 34-16-10	0
-------------------------------------	---

TOTAL	0
--------------	----------

Crossdrains

Installation of crossdrains on temporary roads, skid trails and firelines are included in their respective cost allowance.

Scarification - Landings and Skid Trails ONLY

39	acres @	\$150.00	per acre	=	\$5,850.00
----	---------	----------	----------	---	------------

Seed and Fertilizer

If Temp Road seeding is not included in Temp Road worksheet then enter here

Temporary Roads		feet	=	0.0	acres
Firelines		feet	=	0.0	acres

Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer.

467	acres X	5	%	=	23.4	acres
-----	---------	---	---	---	------	-------

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer.

371	acres X	3	%	=	11.1	acres
-----	---------	---	---	---	------	-------

Landings

Number of landings

53	X	0.3	acres per landing	=	15.9	acres
----	---	-----	-------------------	---	------	-------

TOTAL	50.4	acres
--------------	-------------	-------

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse
Acres	467	5	366	0	0	0

Seed mix, fert., labor costs:

	<u>Lbs / Acre</u>		<u>\$ / Lb</u>	=	<u>\$ per Acre</u>
Blue Wildrye	5	X	\$12.00	=	\$60.00
Mountain Brome	9	X	\$12.00	=	\$108.00
Bluebunch Wheatgrass	4	X	\$12.00	=	\$48.00
Slender Wheatgrass	6	X	\$12.00	=	\$72.00
0	0	X		=	\$0.00
Fertilizer	0	X		=	\$0.00
*Labor per Acre				=	
				\$ per acre	\$288.00

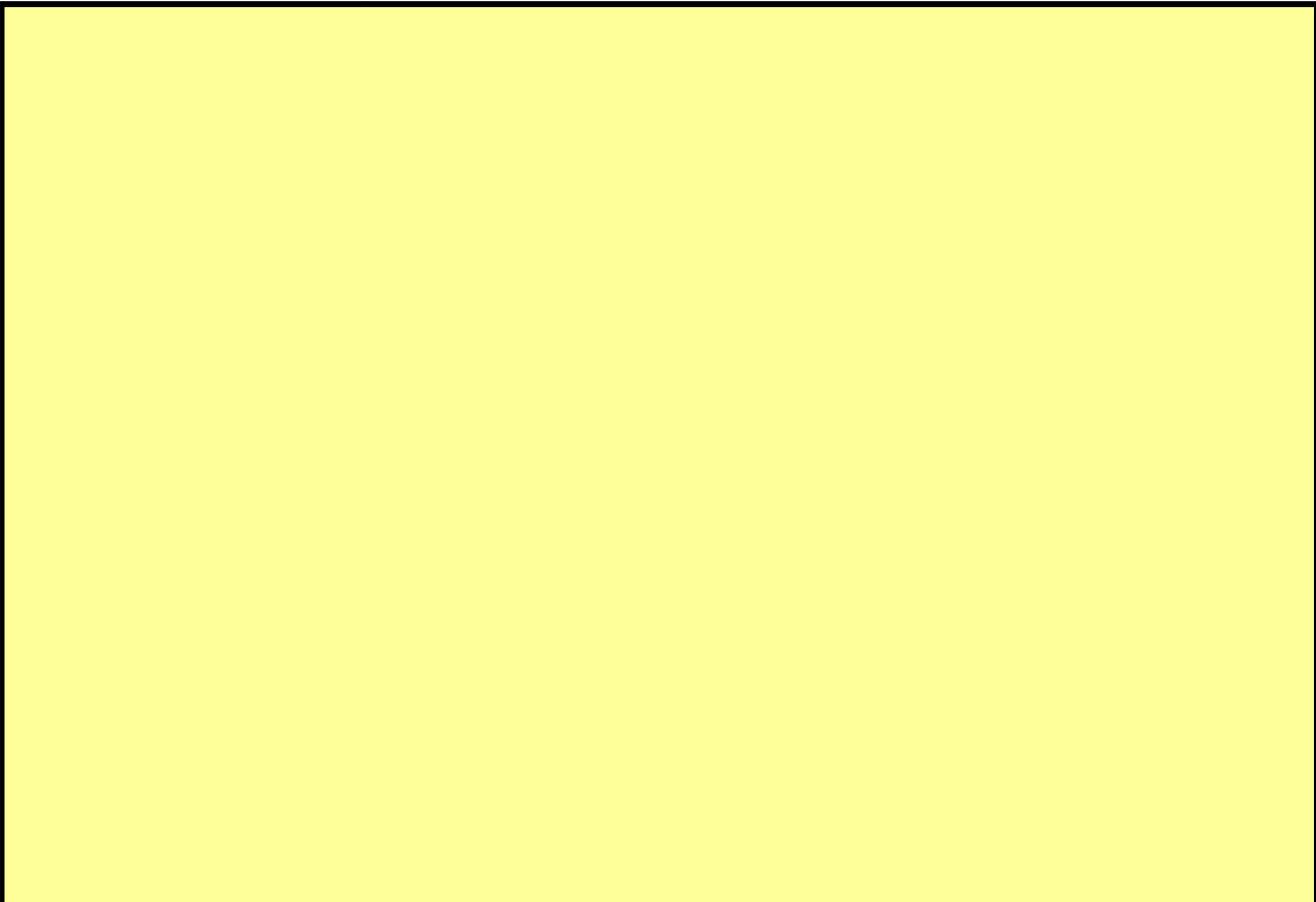
Total cost for

SEEDING	50.4	acres	X	\$288.00	\$/acre =	\$14,515.20
FERTILIZER	50.4	acres	X	\$0.00	\$/acre =	\$0.00
LABOR	50.4	acres	X	\$0.00	\$/acre =	\$0.00
SCARIFICATION						\$5,850.00
TOTAL						\$20,365.20

\$20,365.20 COST / **13938** CCF = **\$1.46** PER CCF

* Engineers estimate Page 114 of the Cost Guide Item Labor Rates.

Document Rational for Changes to Standard Seed Mix.



OTHER CONTRACTUAL REQUIREMENTS (A)

**Other - Include Contractual Obligations Requiring Performance Bond Coverage
(Road closure, Barriers, Trail Restoration, etc.)**

ITEM	#	X	COST	=	TOT COST
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00

\$0.00 Cost / **13938** CCF = **\$0.00** CCF

Subtotal Other Contractual Requirements (A) = \$0.00 CCF

OTHER CONTRACTUAL REQUIREMENTS (B)

The cost allowance for herbicide application has been based on the following assumptions; 300 gallon sprayer with herbicide injectors (not tank mixed); 20 gallon of carrier/ac; one trip will be required for each herbicide per road; labor rate and production includes mix, loading, cleanup and daily documentation; misc. expenses include equipment maintenance and depreciation, herbicide storage and handling and licensing fees. One mile of road with an average ROW of 30 feet is equal to 3.6 acres. Herbicides approved for use are listed in C(T)6.27# under Technical Spraying Specifications.

<u>Herbicide</u> (Common name)	<u>Application Rate oz</u> per acre	<u>Cost</u> Per oz	<u>Cost per</u> <u>UOM</u>
2,4,D Amine	32	\$0.00	\$0.00 mile
Clopyralid(Transline)	11	\$0.00	\$0.00 mile
Picloram(Tordon)	32	\$0.00	\$0.00 mile
Aminopyralid(Milestone)	6	\$2.93	\$63.29 mile

Price quote for herbicide obtained from:

<u>Sufactant & Dye</u> .32 oz/gal H2O	\$0.68/acre = \$2.45/ mile
<u>Labor Rate</u>	\$40/ hour (2 Miles per hour)

Miles of road to be sprayed: 54.49 miles

<u>Herbicide to be applied:</u>	<u>Miles</u>	<u>\$ UOM</u>	<u>Tot Cost</u>
2,4,D Amine		\$0.00	\$0.00
Clopyralid(Transline)		\$0.00	\$0.00
Picloram(Tordon)		\$0.00	\$0.00
Aminopyralid(Milestone)	54.49	\$63.29	\$3,448.67
Sufactant & dye:	54.49		\$0.00
Application Cost (Labor):	54.49	\$20.00	\$1,089.80
Misc. Expense:	54.49	\$5.00	\$272.45
TOTAL WEED TREATMENT:	\$4,810.92 cost	/ 13938 CCF	= \$0.35 CCF

ON-SITE EQUIPMENT WASHING C(T)6.351#

Cost allowance for washing off-road equipment *Prior To Leaving* locations identified in EIS/EA

Number (pieces of equipment)		Number of seasons	
Cleaning costs per piece	\$0.00	CCF	13938

Total cost for washing equipment per CCF \$0.00 CCF

Subtotal Other Contractual Requirements (B) \$0.35 CCF

MISCELLANEOUS CONTRACTUAL REQUIREMENTS (C)

(Contractual Obligations That Would Not Require Coverage Under The Performance Bond)

Stump Shoveling (Not required under normal operating/winter conditions. Include if clippers not allowed)

stumps X per stump =

Cost / CCF = CCF

Snow Plowing

miles X per mile X # plowings =

Cost / CCF = CCF

Miscellaneous: (Helicopter Landing Construction, Traffic Control etc...)

ITEM	#	X	COST	TOT COST
Traffic Control on Blacktail Road	1	X	\$6,400.00 per XXX	\$6,400.00
Hauling from units 279, 280, 281-281B, 283 and Turnaround from 285/286 ~200 Loads				
Temp Gates	3	X	\$500.00 per XXX	\$1,500.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00

Cost / CCF = CCF

Subtotal Miscellaneous Contractual Requirements (C) CCF

Total Other Contractual Requirements (A+B+C)	<input type="text" value="\$0.35"/> CCF
Brush Disposal (Purchaser and FS)	<input type="text" value="\$15.97"/> CCF
Total Environmental Protection Cost	<input type="text" value="\$16.32"/> CCF

TEMPORARY ROADS

1.73 Miles

Temporary Road #1
Unit(s) 295,302,303 Cost \$ \$4,729.00

Temporary Road #2
Unit 300 Cost \$ \$2,490.00

Temporary Road #3
Unit(s) 245, 288, 289 Cost \$ \$14,271.00

Temporary Road #4
0 Cost \$ \$0.00

Temporary Road #5
0 Cost \$ \$0.00

TOTAL TEMPORARY ROAD COST = \$21,490.00
(Total Temporary Development Costs)

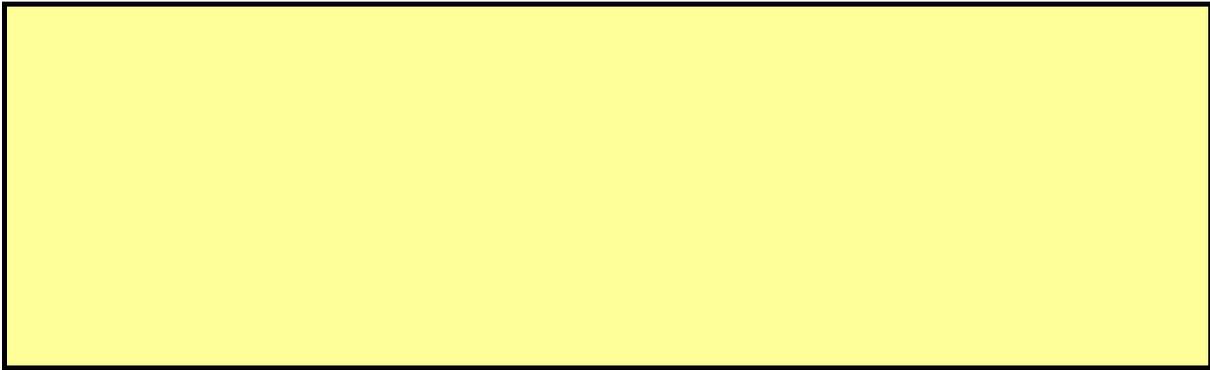
\$21,490.00 Cost \$ / **13938** CCF = **\$1.54** CCF

Cost Guide for Temporary Roads

http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5279261.pdf

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF **\$0.57**

UNUSUAL CONDITION ADJUSTMENTS



\$0.00 Cost \$ / **13938** CCF = **\$0.00** CCF

TEMPORARY ROAD COSTS #1

Unit or Road Number: Unit(s) 295,302,303

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

Average Side Slope	10	%		
Length	3224	Feet	0.61	Miles
Volume per Acre	10			

(Note: Do not adjust project costs for inflation or deflation)

Clearing and Grubbing (Table T-1)	=	\$3,220.00	Mile
	=	\$1,320.00	Mile
Excavation (Table T-1)	=	\$640.00	Mile
	=	\$2,500.00	Mile
Seeding (Table T-1)	=	\$2,500.00	Mile
	=	\$2,500.00	Mile
Obliteration (Table T-1)	=	\$2,500.00	Mile
	=	\$2,500.00	Mile

Total Unit Cost Per Mile = \$7,680.00

Basic Cost Total X Length = \$4,685.00

Drainage Structures					
		Dips	X		= \$0.00
		18" CMP	X		= \$0.00
		other CMP	X		= \$0.00

Drainage Cost Total = \$0.00

Other Requirements					
###		###	X	\$0.00	= \$0.00
###		###	X	\$0.00	= \$0.00
###		###	X	\$0.00	= \$0.00
###		###	X	\$0.00	= \$0.00

Other Cost Total = \$0.00

Subtotal (Basic + Drainage + Other) = \$4,685.00

Mobilization (Table T-4) 7% = \$328.00

Subtotal = \$5,013.00

TOTAL COST \$5,013.00 / 1.06 Profit = \$4,729.00

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #2

Unit or Road Number: **Unit 300**

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

Average Side Slope	10	%		
Length	1317	Feet	0.25	Miles
Volume per Acre	10			

(Note: Do not adjust project costs for inflation or deflation)

Clearing and Grubbing (Table T-1)	=	\$3,220.00	Mile
Excavation (Table T-1)	=	\$1,320.00	Mile
Seeding (Table T-1)	=	\$640.00	Mile
Obliteration (Table T-1)	=	\$2,500.00	Mile

Total Unit Cost Per Mile = \$7,680.00

Basic Cost Total X Length = \$1,920.00

Drainage Structures

	Dips	X	\$0.00	=	\$0.00
21	18" CMP	X	\$26.00	=	\$546.00
	other CMP	X	\$0.00	=	\$0.00

Drainage Cost Total = \$546.00

Other Requirements

###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00

Other Cost Total = \$0.00

Subtotal (Basic + Drainage + Other) = **\$2,466.00**

Mobilization (Table T-4) **7%** = **\$173.00**

Subtotal = **\$2,639.00**

TOTAL COST \$2,639.00 / 1.06 Profit = \$2,490.00

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #3

Unit or Road Number: Unit(s) 245, 288, 289

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

Average Side Slope	40	%	
Length	4590	Feet	0.87
Volume per Acre	10		

(Note: Do not adjust project costs for inflation or deflation)

Clearing and Grubbing (Table T-1)	=	\$5,400.00	Mile
	=	\$3,490.00	Mile
Excavation (Table T-1)	=	\$980.00	Mile
	=	\$5,000.00	Mile
Seeding (Table T-1)	=	\$5,000.00	Mile
	=		
Obliteration (Table T-1)	=		
	=		

Total Unit Cost Per Mile = \$14,870.00

Basic Cost Total X Length = \$12,937.00

Drainage Structures					
	3	Dips	X	\$400.00	= \$1,200.00
		18" CMP	X	\$0.00	= \$0.00
		other CMP	X	\$0.00	= \$0.00

Drainage Cost Total = \$1,200.00

Other Requirements					
###		###	X	\$0.00	= \$0.00
###		###	X	\$0.00	= \$0.00
###		###	X	\$0.00	= \$0.00
###		###	X	\$0.00	= \$0.00

Other Cost Total = \$0.00

Subtotal (Basic + Drainage + Other) = \$14,137.00

Mobilization (Table T-4) 7% = \$990.00

Subtotal = \$15,127.00

TOTAL COST \$15,127.00 / 1.06 Profit = \$14,271.00

Total Cost to be entered on 2400-17

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season

ADVR114, Page

Units

First Period : to

Second Period: to

(Note: If sale has more than one NOS - List dates and units for each in A16 or AT13 of Timber Sale Contract)

Periodic Payment Schedule

Approximate Award Date: mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: mm/dd/yy
(ENTER N/A if no roads)

Contract Termination Date: mm/dd/yy

TIM - Input at Gate 4 - Prospectus, Bid and Misc. Information - Page 1 (ADVR115)

Approximate Payment Date:

Include the following statement in the Prospectus for sales without a road completion date.

As per B(T) 4.213, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / \ AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

(A) Total Volume = CCF
 (B) Sale Duration = YEARS *(Calculated from Award Date to Termination Date)*
 (C) Operating Days in Sale = (Sale Duration X 120 days.)
 (D) CCF Per Day = (Total Volume / Operating Days in Sale)
 (E) Men Needed to Log Sale = (CCF Per Day / 5 CCF)
 (F) Liability = (Wage Rate AD (hrs/shift) X (# shifts) X (# men) = TOTAL LIABILITY =

http://www.fs.fed.us/r1/fire/nrcg/Committees/business_commi

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00

ROUNDED TOTAL =

Create New Sales

Forest No **10 - Flathead**
 District No **01 - Swan Lake**
 Sale No **15102**
 Sale Name **Huey**

Basic Information

Advertised Sale Number **15102**
 State **MT - Montana** *
 County Code **029 - Flathead**
 Compartment No **2**
 Legal Description **T26N, R21W, PMM**

Appraisal Date
 Contract Date
 Term Date **9/30/2018**
 Bid Date

Modified By
 Modified Date

Size Class **6 - \$100,000,01 thru \$1,000,000** *
 Sale Status
 SBA Code **N - No** *
 Appraisal Type **TE - Transaction Evidence** *
 Salvage Code **2 - Salv Sale or Salv Component in Regular Program** *
 Pricing Method **100D - Escalated 100% up, 100%down** *
 SAI Collection **\$381,488.00**
 Contract No
 Contract Form **6 - Contract Form 2400-6**
 CO Authority **S - Forest Supervisor** *
 Sale Method **S - Sealed Bids** *
 Regulation Code **6 - 36 CFR 223.1** *

Area & Volume

Sale Acres	5924	Cut Acres	837.9
Clearcut Acres	360.9	Clearcut Volume	5909
Seed Tree Acres	410	Seed Tree Volume	6853
Right Of Way Acres	5	Right Of Way Volume	
Final Seed Tree Acres		Final Seed Tree Volume	
Shelter Wood Acres		Shelter Wood Volume	
Cedar Poles: Volume			
Count			
Length			
Percent Salvage	33%		

Costs / CCF

Slash FS	\$5.89
Slash Total	\$15.97
Erosion	\$1.46
Snag	
Misc	\$0.35
Temp Roads	\$1.54
Other Temp Dev	
Unusual Cond Adj	
Road Maint Dep	\$1.83
Road Maint Total	\$5.35
Small Product Adj	

Comments

Blank
Includes other (A), weeds (B), Misc ©
Blank
Includes Tons/CCF Adjustment

Roads

Construction Miles	1.2
Reconstruction Miles	
Appraisal Point	Stoltze, Columbia Falls
Total Haul Miles	37
Temp Road Const Miles	1.7
Contributed Funds	
Timber Property Value	

Costs	\$63,164
Costs	
State	Montana
Paved Miles	31.0
Costs	\$21,490

Logging Systems

	Acres	CCF	Distance(ft)
Tractor	467	7693	854
Horse			
Ground Lead	5	91	218
Skyline	366	6154	703
Heli			
Swing			
Forwarder			

Use this sheet to calculate advertised value and to convert \$/CCF to \$/Tons.

Attach this sheet to the 2400-17 for Documentation.

Sawtimber Rate from the 2400-17 \$37.25

Conversion to Tons

	<u>Adv. Rate</u>	<u>CCF Vol</u>	<u>Tons</u>	<u>Advertised Rate per Ton</u>
Sawtimber	\$37.25	13938	42138	\$12.32
Non_Saw	\$1.00	6504	17582	\$0.37
Base Rate (Sawtimber)	\$27.27	13938	42138	\$9.02

Total Advertised Value \$525,694.50

SALABILITY REPORT
Based on Delivered Log Price

Stump to Loaded Truck Costs	CCFs	Avg DBH	Correction Factor	Corrected \$ / CCF	
Ground Based	7,693.0	0.0	1.00	\$88.59	\$ / CCF
Ground Lead	91.0	0.0	1.00	\$86.88	\$ / CCF
Skyline	6,154.0	0.0	1.00	\$115.25	\$ / CCF
Helicopter	0.0	0.0	1.00	\$0.00	\$ / CCF
Total	13,938.0				

Haul **1.00** **\$25.13** \$ / CCF

Purchaser's Cost & Deposits

Non-Sawtimber Adjustment (\$ / CCF)	\$0.00	\$ / CCF
Road Maintenance Costs (\$ / CCF)	\$5.35	\$ / CCF
Environmental Protection Costs (\$ / CCF)	\$17.78	\$ / CCF
Temporary Road Costs (\$ / CCF)	\$1.54	\$ / CCF
Specified Road Costs (\$ / CCF)	\$4.53	\$ / CCF
Unusual Condition Adjustment (\$ / CCF)	\$0.00	\$ / CCF
TOTAL	\$29.20	\$ / CCF

Delivered Log Price \$/MBF

PP	WF/HF	DF/L	WW	S	IRC

Stump to Mill Costs (\$ / CCF)	\$154.68
Minimum Rate (\$ / CCF)	\$3.00
Adjustment to Minimum Rate to cover Required Regen Costs (\$ / CCF)	\$24.27
Base Rates (\$ / CCF)	\$27.27
Appraised Rate (\$ / CCF)	-\$154.68
Amount Deficit (\$ / CCF)	\$181.96
WTD. Average Delivered Log Price (\$ / MBF)	\$0.00
Required Delivered Log Price to Break Even (\$ / MBF)	\$382.42

STEWARDSHIP CONTRACTS

Value Adjustment (Maximum Adjustment 75%)	(%)
Total Base Value Available for Stewy Projects	\$0
<i>(If Applicable Total Value Available Includes Allowance for Required Regeneration Costs)</i>	

BRUSH DISPOSAL
Forest Service

Composite Rate = 1.5561

FACTS ID	Description	Local Qualifier	UOM	Cost/Unit	% BD	# Units	Comments	Inflation	Composite %	Tot. Activity \$
1100	Fuel Inventory		Acre							
1111	Fuels Burn BB		Acre							
	Fuels Burn BB		Acre							
	Fuels Burn BB		Acre							
1112	Jackpot Burning		Acre							
	Jackpot Burning		Acre							
1113	Fuels UB		Acre							
	Fuels UB		Acre							
	Fuels UB		Acre							
	Fuels UB		Acre							
1130	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Each							
5010	Air Quality Monit		Acre							
			Acre							

Subtotal -- FS (Deposits)	\$0.00	>>>>
\$/CCF	\$0.00	
Total BD Allowance	\$153,005.60	
Total Appraisal Allowance (\$/CCF)	\$10.98	

REQUIRED KV FOR REGENERATION HARVEST

KV SITE PREP

Composite Rate =

1.5765

FACTS ID	Description	Local Qualifier	UOM	Cost/Unit	% KV	# Units	Comments	Inflatio	Composite %	Tot. Activity \$
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
1130	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							

Total Site Prep \$0.00

Regeneration

Activity	UOM	Cost/Unit	# Units	Comments	Inflatio	Composite %	Tot. Activity \$
Planting	Acre						
Regen Exams	Acre						
Animal Damage Control	Acre						
Chemical Site	Acre						

Total Regeneration \$0.00

Total Required Regen Cost \$0.00 >>>