2450
NORTHERN REGION - R-1
FOREST = **10 - Flathead** * **DISTRICT** **08 - Tally Lake** *
Expiration Date = April 1, 2014
V14.1

TIMBER SALE AND TRANSACTION EVIDENCE APPRAISAL REPORT

Ashley Herrig
(SALE NAME)

Select Contract Type

TIM # **14801**

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): 029 - Flathead *

Sale Area Legal Description (short T & R): T28N, R24W

Sale Area Legal Description (long):

Portions of Sections 3-10, 15-20, 30-31,T28N, R24W; Sec. 1, 10-15, 22-27, 34-36, T28N, R25W; Sec. 30-32, T29N, R23W; and Sec. 22-28, 32-36, T29N, R24W, Flathead County, State of Montana,PMM

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): 31

Environmental Documentation:

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

NEPA Document Name	Percentage of Sale Volume (CCF)
EA Ashley-Herrig Resource Management Project	100

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.

Dropped Units:32,34,34A,44C,58,64, and 65 due to low volume and/or difficult logging system and access.
Deferred Units:31,35,36,40,41,60,and 63 due to Recreation Sites that need further development and planning, added to another Project because of haul route, and Post and Pole oppurtunity.
Merged Units:38 and 39 now (38); 61 and 62 now (61). Divided
Units:37A,44D,49A,49B,51A,52A,54A, and54B, due to system change, stand type and Rx. Optional
Units:49B,53, and 54A, due to low volume and difficult logging system. Unit 30
deferred as a possible direct sale , due to no access and permitting issues.

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	*	100
	*		*	
	*		*	

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 assitance 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): 9468 **73%** **% of total volume**

FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS **(Salvage Fund) %** **0%**

(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: # 6801 CHECK CRUISE:

Date of Cruise 3/17/2014 Date of Check: N/A

Cruisers:	Cruisers:
Paul Johnson	
Jim Vander Schaaf	
Eric Jupin	
Keigh Smiley	
Cory Anderson	

Method: Fixed Plots Results: N/A

SE%: 14.41

Method of determining ROW volume:

No ROW volume due to crossing Plum Creek with new Spec. Road. Very little to be cleared for construction.

Basis for Percent Defect:

Seen Defect and Professional Judgement

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

Unit #	Acres	Sawtimber	CCF	Non-Saw	CCF
ROW units need to be entered last					
37A	2	2013	20	1610	16
38	119	119767	1198	95798	958
42	30	21083	211	27833	278
43	17	11947	119	15772	158
44D	19	19122	191	4345	43
45	11	7731	77	10205	102
46	23	16164	162	21339	213
48	72	50600	506	66799	668
49	12	8433	84	4217	42
49A	5	3514	35	4639	46
50	10	10064	101	8050	81
51A	12	8433	84	11133	111
52A	6	4217	42	5567	56
54	21	14758	148	7380	74
54B	7	4919	49	2460	25
55	89	62547	625	82571	826
56	31	21786	218	28761	288
57	47	33031	330	43605	436
61	40	28111	281	37111	371
33	28	28180	282	22541	225
37	17	17110	171	13685	137
44A	23	23148	231	5260	53
44B	18	18116	181	14490	145
51	73	73470	735	58767	588
52	11	11071	111	8855	89
59	46	32328	323	42677	427

NET MBF/CCF Ratio from NCS Report CS1

Sawtimber (Product 01): 0.4759

Non-Saw (Product 08): 0.5662

If no Primary Non-Saw Enter Secondary Volumes Below

Net bdft:

Net cf:

Non-Saw (Product 08):

	651663	Sawtimber		645470	Non-Saw	
TOTAL SALE UNIT VOLUME (CCF)		6515 (Sheet 1)	6515 (Sheet 1&2)		6456 (Sheet 1)	6456 (Sheet 1&2)

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

Species	Saw	Rounded	%Defect	Av. DBH	Logs/Unit	NCS REPORT (UC5) Non-Saw	Rounded
AF	33406	334	11	8.8	24.9	27747	277
C		0					0
DF	194598	1946	16	10.5	19	135963	1360
GF	22596	226	13	9.9	19.7	3577	36
H		0					0
L	77152	772	8	9.6	23.8	33387	334
LP	301366	3012	13	7.6	30.2	433632	4337
PP		0					0
S	22548	225	11	10.8	15.9	11165	112
WP		0					0
	651666					645471	
TOTAL VOLUME		6515 CCF					6456 CCF

ROUNDED VOLUME IS THE DIFERENCE 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.#	Cruise Unit Acres	Appraisal Unit Acres	ROW Acres	Logging Method	Harvest Method	Land Suit Class	MA	Unit Volume CCF Sawtimber	Unit Volume CCF Non-Saw	Yield Component CL	Yield Component NL	Unit TONS Saw	Unit TONS Non Saw
ROW units need to be entered last														
37A		2	2		420	220	500	7	20	16			60	44
38		119	119		420	121	500	7	1198	958			3599	2606
42		30	30		420	132	500	15	211	278			634	756
43		17	17		420	121	500	15	119	158			358	430
44D		19	19		430	121	500	7	191	43			574	117
45		11	11		420	132	500	15	77	102			231	277
46		23	23		420	132	500	15	162	213			487	579
48		72	72		420	146	500	15	506	668			1520	1817
49		12	12		430	132	500	15	84	42			252	114
49A		5	5		420	132	500	15	35	46			105	125
50		10	10		420	121	500	15	101	81			303	220
51A		12	12		430	220	500	15	84	111			252	302
52A		6	6		420	146	500	15	42	56			126	152
54		21	21		430	148	500	15	148	74			445	201
54B		7	7		430	132	500	15	49	25			147	68
55		89	89		420	115	500	15	625	826			1878	2247
56		31	31		420	146	500	15	218	288			655	783
57		47	47		420	148	500	15	330	436			991	1186
61		40	40		420	146	500	15	281	371			844	1009
33		28	28		420	220	500	15	282	225			847	612
37		17	17		430	220	500	7	171	137			514	373
44A		23	23		430	132	500	7	231	53			694	144
44B		18	18		420	121	500	7	181	145			544	394
51		73	73		430	121	500	15	735	588			2208	1600
52		11	11		420	146	500	15	111	89			333	242
59		46	46		420	146	500	15	323	427			970	1162
Totals Sheet 1		**789**	**789**	**0**					**6515**	**6456**	**0**	**0**	**19574**	**17562**

Total Sale Area: **8160** Sale Area Acres
Total Cutting Area: **789** Acres
(Sheet 1)

Total Sawtimber (Sheet 1) **6515** **CCF**
Total Saw + Non-Saw (Sheet 1) **12971** **CCF**

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

Species	Defect %	Net Volume	Total Additional	Total Net	Tons Per CCF	Total Tons	
AF	11	334	0	334	2.4735	826	
C	0	0	0	0	2.3540	0	
DF	16	1946	0	1946	3.0160	5869	
GF	13	226	0	226	3.1275	707	
H	0	0	0	0	3.2425	0	
L	8	772	0	772	3.1935	2465	
LP	13	3012	0	3012	3.0210	9099	
PP	0	0	0	0	3.2230	0	
S	11	225	0	225	2.7040	608	
WP	0	0	0	0	3.2230	0	
TOTAL =	**13**	**6515**	**0**	**6515**	**3.0045**	**19574**	**=**

Net MBF/CCF Ratio For Sawtimber From NCS Report CS1	.47592

TIM Conversion	Prep 105 Factors
MBF	CCF
.15840	.33280

NON-SAWTIMBER - CCF

Species		Net Volume	Additional Non-Saw	Total Net	Tons Per CCF	Total Tons	
AF		277		277	2.3340	647	
C		0		0	2.1400	0	
DF		1360		1360	2.7885	3792	
GF		36		36	2.9470	106	
H		0		0	3.0590	0	
L		334		334	3.0785	1028	
LP	33%	4337		4337	2.6963	11694	
PP		0		0	3.1510	0	
S		112		112	2.6330	295	
WP		0		0	3.1500	0	
	TOTAL =	**6456**	**0**	**6456**	**2.7203**	**17562**	**=**

Net MBF/CCF Ratio For Non-Sawtimber From NCS Report CS1	.56623

TIM Conversion	Prep 105 Factors
MBF	CCF
.20810	.36760

	Gross	Net	Tons
TOTALS =	**0**	**12971**	**37136**

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	**12971**
APPRAISAL VOLUME (CCF)	**6515**
CONTRACT VOLUME (TONS)	**37136** (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	**2.8600**

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) MBF	CCF	Minimum Specifications DBH	Number of Pieces	Length	DIB	Merch. Factor
LP	Live and Dead	Lodgepole Pine	0.1584	0.3328	6	1	8.0	5.6	10.67
& Ot	Live and Dead	ouglas Fir and Other			7	1	8.0	5.6	10.67
					0	0	0.0	0	0
☑ ##	CS	Live and Dead	0.2081	0.3676	4	1	16.0	2.5	50
☐	C14	Cedar Products - Net Merch. Factor - Refer to C(T)6.804#			0	0	0.0	0	0

AVERAGE EXTERNAL YARDING DISTANCE

Unit #	Volume CCF	AEYD Feet		% Slope
37A	20	200	To Calculate % Slope	25%
38	1198	1600		25%
42	211	1000	Top Elevation	25%
43	119	500		25%
44D	191	575		45%
45	77	500	Bottom Elevation	25%
46	162	900		25%
48	506	2000		25%
49	84	300	EYD Distance (ft)	45%
49A	35	450		25%
50	101	500		25%
51A	84	550	% Slope =	45%
52A	42	500	#DIV/0!	25%
54	148	850		45%
54B	49	400		45%
55	625	1000		25%
56	218	100		25%
57	330	1200		25%
61	281	1000		25%
33	282	600		25%
37	171	700		45%
44A	231	600		45%
44B	181	500		45%
51	735	1150		45%
52	111	500		25%
59	323	700		25%

Tractor			Forwarder			Helicopter			Ground Lead		
420	4822	VOL	492	0	VOL	480	0	VOL	450	0	VOL
	1142	AVE EYD		0	AVE EYD		0	AVE EYD		0	AVE EYD

Skyline			Horse		
430	1693	VOL	410	0	VOL
	929	AVE EYD		0	AVE EYD

AVERAGE EXTERNAL YARDING DISTANCE

Unit #	Volume CCF	AEYD Feet		% Slope
			To Calculate % Slope	
			Top Elevation	
			Bottom Elevation	
			EYD Distance (ft)	
			% Slope =	
			#DIV/0!	

ENTER AVERAGE DBH FOR SAWTIMBER AND PRIMARY NONSAW

SWING YARDING APPRAISAL ALLOWANCE

Swing Cost is added as an Unusual Cost Adjustment

Sale Average DBH for Sawtimber			9	SAWTIMBER									
Unit No.	Swing System	Unit Acres	Swing Acres	Unit Vol. (CCF)	Net MBF/CCF Ratio	Swing Vol/Ac. (MBF)	Swing Yarding Distance	Stump to Truck $/Ton	Swing Yarding Cost ($/Ton)	Swing Vol. (CCF)	Tons/CCF Ratio	Unit Swing Vol. (Tons)	Total Cost
44A	Tractor	23	9	231	.47592	4.8	1000	$28.04	$11.12	90	3.0045	272	$3,020
44D	Tractor	19	5.7	191	.47592	4.8	600	$27.48	$10.56	57	3.0045	172	$1,819
54	Tractor	21	6.3	148	.47592	3.4	600	$28.75	$11.83	44	3.0045	133	$1,578
		0			.47592			$0.00	$0.00	0	3.0045		
		0			.47592			$0.00	$0.00	0	3.0045		
		0			.47592			$0.00	$0.00	0	3.0045		
		0			.47592			$0.00	$0.00	0	3.0045		
		0			.47592			$0.00	$0.00	0	3.0045		
		0			.47592			$0.00	$0.00	0	3.0045		
		0			.47592			$0.00	$0.00	0	3.0045		
		Tot Swing Ac	21			Ave Yard	733	Total Sawlog Swing Vol.		192		Total	$6,417

Sale Average DBH for Primary NonSaw					NON-SAWTIMBER								
Unit No.	Swing System	Unit Acres	Swing Acres	Unit Primary Nonsaw Vol. (CCF)	Net MBF/CCF Ratio	Swing Vol/Ac. (MBF)	Swing Yarding Distance	Stump to Truck $/Ton	Swing Yarding Cost ($/Ton)	Swing Vol. (CCF)	Tons/CCF Ratio	Unit Swing Vol. (Tons)	Total Cost
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
		0			.56623			$0.00	$0.00	0	2.7203		
							Total Nonsaw Swing Vol.			0		Total	$0

Regional Logging Cost (2013)		
Feller	6.92	per ton
Loading	$3.43	per ton
Processing	$6.57	per ton
Total *	$16.92	per ton

Total Swing Yarding Cost	$6,417

* Costs have been included in primary logging system costs and are not included in Swing Yarding Cost.

LOGGING METHOD SUMMARY

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included	
Acres	605	0	184	0	0	0	**789**	21	
Volume	4822	0	1693	0	0	0	**6515**	192	**CCF**
AEYD	1142	0	929	0	0	0		**733**	
% Acres	77%	0%	23%	0%	0%	0%			
% Vol	74%	0%	26%	0%	0%	0%			

HARVEST METHOD SUMMARY

	ClearCut	Seed Tree	Shelter Wood	Final Seed Tree	Intermed	Final Shelter wood	Selection	TOTAL	
Acres	89	111	256	206	59	68	0	**789**	
Volume	625	849	2525	1481	557	478	0	**6515**	**CCF**
% Acres	11%	14%	32%	26%	7%	9%	0%		
% Vol	10%	13%	39%	23%	9%	7%	0%		

HAUL

Appraisal Point: Plum Creek-Evergreen **State** Montana

Total Sawtimber Tributary Volume: 6,515

(The appraisal point is most advantageous when total transportation cost, including road work, are less than other appraisal points. Appraise to a mill where timber product can be processed. SBA Set Aside Sales are appraised the same way; not to the nearest SBA mill)

(Haul Appraisal for Sawtimber only. Non-Sawtimber included in Non-Sawtimber Adjustments)

WTD HAUL MILES

WTD Haul Note

Segment	Units															Segment Miles		Sawtimber Trib Vol	WTD MILES
																Paved	Unpaved		
Hwy 2	All															9.5		6515	9.50
912																		0	0.00
Hwy 2	61	59														15		604	1.39
538	61	59														8		604	0.74
10304	59																1	323	0.05
Hwy 2	33	37	37A	38	42	43	44A	44B	44D	45	46	48	49	49A	49B	10		3468	5.32
Hwy 2	50	51	51A	52	52A	53	54	54A	54B	55	56	57				10		2443	3.75
679	33	37	37A	38	42	43	44A	44D	44B	45	46	48	49	49A	49B		8.5	3468	4.53
679	50	51	51A	52	52A	53	54	54A	54B	55	56	57					8.5	2443	3.19
9539	37	37A	38														1.62	1389	0.35
9539	38																0.38	1198	0.07
9612	38																0.6	1198	0.11
PC permit	37	37A															1.15	191	0.03
10238	42	43															1.54	330	0.08
10236	44A	44B	44D	45	46	48											1.17	1348	0.24
10236	44A	44B	44D	45	46												2.43	842	0.31
10236	46																0.43	162	0.01
10236E	45																0.38	77	0.00
10239/A	46																0.59	162	0.02
44Btmp	44B	44D															0.2	372	0.01
10236A	48																2.77	506	0.22
10234	49	49A	50	51	52	52A	54	54B	55	56	57	51A					2	2562	0.79
10234	51	52	52A	54	54B	55	56	57	51A								1.6	2342	0.58
10234	54	54B	55	56	57												1.8	1370	0.38
10234	55	57															0.5	955	0.07

WTD Total Paved Miles (Sheet 1) **20.7**

WTD Total Unpaved Miles (Sheet 1) **11.0**

WDT Total Miles (Sheet 1) **31.7**

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point: (Split) Foothills and Bonner

DATA INPUT

Delivered Log Price ($/Ton, Nonsawtimber material)	$42.77		
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	6,456		
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	17,562		
Tons / CCF for nonsawtimber material	2.72	**0.00**	Adjustment
Total Appraised Sawlog Volume (CCF)	6,515		
Total One Way Weighted Haul Miles	127	**95**	Adjustment

Logging System	**All Ground Based**	**All Cable**	**Forwarder**
Nonsawtimber Primary Product (CCF)	3,487	588	
Net MBF / Acre Harvested for nonsawtimber primary product	3.3	1.8	0.0
Average DBH Harvested for nonsawtimber primary product	5.7	5.7	
Average Yarding Distance (Feet)	1,142	929	0
Nonsawtimber Primary Product (Tons)	9,486	1,600	0
Net Tons / Acre Harvested for nonsawtimber primary product	8.9	4.9	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value ($/CCF) A positive number is a negative value.	$1.38
Final Nonsawtimber Adjustment to enter into TE appraisal program ($/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
289794	143838	433632	263218	170414	119380
2898	**1438**	**4336**	**2632**	**1704**	**1194**
% of Tot	% of Tot				
0.6683	0.3317				
Tons/CCF	**Tons/CCF**				
3.0200	2.0390				
Average Tons/CCF					
2.6946					

Enter on Species Apppraisal (Tons)	
LPD Prim	**1438**
LPL Prim	**1194**
LP Sec	**1704**
Total	**4336**

% LPD Prim. Post Material	50%	→ 1938	**Tons**
LPL Prim. and LP Secondary		→ 7809	**Tons**
Total LP Post and Pole Material		→ 9747	**Tons**
	Entered from Appraisal CCF to Ton Worksheet		
Total Nonsaw Tons		→ 17562	**Tons**
Other Nonsaw Material		→ 7815	**Tons**

Nonsaw Value and Weighted Haul

Appraisal Point (P&P Material)		St. Ignatius(Foothills), MT			
Species	Weighted Haul Miles				
LPL, LPD	Gravel	Paved	Total Haul	Qty (Tons)	Value/Ton
		81	81	9747	$45.00

Appraisal Point		Milltown(Bonner), Mt			
Species	Weighted Haul Miles				
All Other	Gravel	Paved	Total Haul	Qty (Tons)	Value/Ton
		127	127	7815	$40.00

Total Nonsaw (Tons)	17562		
Weighted Haul Miles	101.5	Weighted Value/Ton	$42.77

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	$0.86	$0.30	
C(T)5.312 - Reconditioning	$0.00	$0.00	
Total Performance (Part A)	**$0.86**	**$0.30**	**(A)**
Total Required Deposits (Recurrent and Deferred) (Part B)	$1.55	$0.54	**Recurrent**
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105	$0.00	$0.00	**Deferred**
C(T)5.32# - Total Required Deposits (Part B)	**$1.55**	**$0.54**	**(B)**
C(T)5.314 - Total Dust Abatement (Part C)	$0.00	$0.00	**(C)**
TOTAL MAINTENANCE COST (Parts A-B-C)	**$2.41**	**$0.84**	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	**$**	$1.55	**CCF**
Total Road Maintenance Costs (Performance + Deposits)	**$**	$2.41	**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	605	0	184	0	0	789
Volume	4822	0	1693	0	0	6515
EYD	1142	0	929	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

	Miles	Total Cost
Construction	0.5	$24,940
Reconstruction		

Total Cost $24,940 / 6515 CCF = $3.83 $ / CCF

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks **$97,750.00**

(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)	**12,971**	$0.25	$3,242.75		
Select Either (a) or (b)					% Sawtimber
(A) Green Sale - Required Regen Cost $ 100% Sawtimber Vol. =	$97,750.00	100%	$97,750.00	**(d)**	50%
(B) Salvage Sales enter % Live Sawtimber Volume; Partial Cut		=			
Stands enter % Volume remaining.		**Total**:	$100,992.75	**(a)**	

Species Groups	**Volume (CCF)**	**Minimum Rates 1/ Per CCF**	**Minimum Rates 1/ Total**	**Base Rates 2/ Per CCF**	**Base Rates 2/ Total**
WP, PP, C	0	$5.00	$0.00	0	$0.00
All other species (list)	6515	$3.00	$19,545.00	$14.51	$94,536.75
Nonsawtimber (all species)	6456	$1.00	$6,456.00	$1.00	$6,456.00
TOTALS	**12971**	**XXXXX**	**$26,001.00**	**XXXXX**	**$100,992.75**
			(b)		
Sawtimber (Appraisal) Volume	**6515**				
		Weighted Average Minimum Rate		**$3.00**	

(a) - (b) = (c) amount need in addition to base rates (plus $.25/CCF) **$74,991.75** **(c)**

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

Adjustment To Minimum Rate:

$_____ (c) / (Total Sawtimber Volume) CCF = $___/CCF	**$74,991.75**	**6,515**	**$11.51**

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 Availiable for Protected KV at Base Rates = **$97,750.00**
(The only stumpage availiable 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)	**$31,813.00**	Total $	(a) **$4.88**	CCF
Purchaser Rate (Fund Code PPPP)	**$241,729.64**	Total$	(b) **$37.10**	CCF
		TOTAL: (a) + (b) =	**$41.98**	CCF

Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD)	**$2.45**	CCF
(Rate Per CCF Converted to Tons for Weight Scale Contracts)	**$0.86**	TON

Lump Sum BD Deposits for Weight Scaled Sales

Cutting Unit Number	Required Deposits
37A	$88.30
38	$5,287.86
42	$1,199.33
43	$679.38
44D	$573.91
45	$439.02
46	$919.73
48	$2,879.38
49	$309.03
49A	$198.66
50	$446.38
51A	$478.26
52A	$240.36
54	$544.48
54B	$181.49
55	$3,558.76
56	$1,241.03
57	$1,878.71
61	$1,599.11
33	$1,243.48
37	$755.41
44A	$696.55
44B	$799.56
51	$3,244.82
52	$490.53
59	$1,839.47

Total Cost **$31,813.00**

(Sheet 1)

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 rational 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
0	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

_____ acres @ _____ per acre = **$0.00**

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. 605 acres X 5 % = **30.3** **acres**

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer. 184 acres X 2 % = **3.7** **acres**

Landings

Number of landings 80 X 0.3 acres per landing = **24.0** **acres**

TOTAL **58.0** **acres**

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarde	Horse
Acres	605	0	184	0	0	0

Seed mix, fert., labor costs:

	Lbs / Acre		$ / Lb		$ per Acre
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				=	**$19.98**
				$ per acre	**$307.98**

Total cost for

SEEDING	**58.0**	acres	X	**$288.00**	$/acre	=	**$16,704.00**
FERTILIZER	**58.0**	acres	X	**$0.00**	$/acre	=	**$0.00**
LABOR	**58.0**	acres	X	**$19.98**	$/acre	=	**$1,158.84**
SCARIFICATION							**$0.00**
					TOTAL		**$17,862.84**

$17,862.84 **COST / 6515** **CCF = $2.74** **PER CCF**

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

Document Rational for Changes to Standard Seed Mix.

Called local suppliers for Current Market Prices(North Valley Agriculture) and (Ronan Cenex). Labor figured at 2 acres/hour.

OTHER CONTRACTUAL REQUIREMENTS **(A)**

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

ITEM	#	X	COST		=	TOT COST
16' Powder River Gate	1	X	$350.00	per Gate	=	$350.00
small excavator	1	X	$55.00	per hr	=	$55.00
operator	1	X	$48.00	per hr	=	$48.00
laborer	1	X	$40.00	per hr	=	$40.00
Earthen Berm for Units 37,37A	1	X	$300.00	per XXX	=	$300.00
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
Gate to barricade temp roads accessing Units 44D/44B and 44A						

$793.00 **Cost /** 6515 **CCF =** $0.12 **CCF**

Subtotal Other Contractual Requirements (A) = $0.12 **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.

Herbicide (Common name)	Application Rate oz per acre	Cost Per oz	Cost per UOM	
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(Milestor	6	$2.93	$63.29	mile

Price qoute for herbicide obtained from: North Valley Ag Center

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

Miles of road to be sprayed: **54** miles

Herbicide to be applied:	Miles	$ UOM	Tot Cost
2,4,D Amine		$0.00	$0.00
Clopyralid(Transline		$0.00	$0.00
Picloram(Tordon)		$0.00	$0.00
Aminopyralid(Milest	54	$63.29	$3,417.66
Sufactant & dye:	54	$2.45	$132.30
Application Cost (Labor):	54	$20.00	$1,080.00
Misc. Expensense:	54	$32.00	$1,728.00

TOTAL WEED TREATMENT: **$6,357.96** cost / **6515** CCF = **$0.98** 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)
Cleaning costs per piece $0.00
Number of seasons
CCF 6515

Total cost for washing equipment per CCF **$0.00** CCF

Subtotal Other Contractual Requirements (B) **$0.98** 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	$0.00	per stump	=	$0.00

$0.00	Cost /	6515	CCF =	$0.00	CCF

Snow Plowing

	# miles	X		per mile	X		# plowings	=	$0.00

$0.00	Cost /	6515	CCF =	$0.00	CCF

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

ITEM	#	X	COST		=	TOT COST
		X			=	$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 /	6515	CCF =	$0.00	CCF

Subtotal Miscellaneous Contractual Requirements (C) **$0.00** CCF

Total Other Contractual Requirements (A+B+C)	**$1.10**	**CCF**
Brush Disposal (Purchaser and FS)	**$41.98**	**CCF**
Total Environmental Protection Cost	**$43.08**	**CCF**

TEMPORARY ROADS

1.87 Miles

Temporary Road #1	33	Cost $ $7,754.00
Temporary Road #2	51	Cost $ $3,002.00
Temporary Road #3	PC2- existing template to Unit 37/37A and new construction in unit	Cost $ $6,774.00
Temporary Road #4	44A and 44B/44D	Cost $ $6,316.00
Temporary Road #5	59	Cost $ $2,510.00

TOTAL TEMPORARY ROAD COST = $26,356.00
(Total Temporary Development Costs)

$26,356.00 Cost $ / 6515 CCF = $4.05 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 **$1.15**

UNUSUAL CONDITION ADJUSTMENTS

Swing Yarding Cost have been entered as an Unusual Condition Adjustment. This was calculated as a SWING YARDING APPRAISAL ALLOWANCE from the Swing Yarding Cost sheet. $2,882.00 Road Maintenance Deposit for use of Plum Creek Road to Access Units 37,37A, and 38 is included in this unusual cost adjustment.

$9,298.76 **Cost $ /** 6515 **CCF = $1.43 CCF**

TEMPORARY ROAD COSTS #1

Unit or Road Number: 33

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

Average Side Slope	35	%		
Length	3360	Feet	**0.64**	Miles
Volume per Acre	6.5			

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

			Costs Prer Mile	
Clearing and Grubbing (Table T-1)		=	$4,090.00	Mile
Excavation (Table T-1)		=	$2,240.00	Mile
Seeding (Table T-1)		=		Mile
Obliteration (Table T-1)		=	$4,500.00	Mile
Total Unit Cost Per Mile		=	**$10,830.00**	
Baisc Cost Total X Length		=	**$6,931.00**	

Drainage Structures

6	Dips	X	$125.00	=	**$750.00**
	18" CMP	X		=	**$0.00**
	other CMP	X		=	**$0.00**
Drainage Cost Total				=	**$750.00**

Other Requirements

	###	X		=	**$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)		=	**$7,681.00**
Mobilization (Table T-4)	**7%**	=	**$538.00**
	Subtotal	=	**$8,219.00**

TOTAL COST **$8,219.00** ***/*** **1.06** Profit = **$7,754.00**

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #2

Unit or Road Number: 51

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

Average Side Slope	35	%		
Length	1275	Feet	**0.24**	Miles
Volume per Acre	6			

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

			Costs Prer Mile	
Clearing and Grubbing (Table T-1)		=	$4,090.00	Mile
Excavation (Table T-1)		=	$2,240.00	Mile
Seeding (Table T-1)		=	$0.00	Mile
Obliteration (Table T-1)		=	$4,500.00	Mile
Total Unit Cost Per Mile		=	**$10,830.00**	
Baisc Cost Total X Length		=	**$2,599.00**	

Drainage Structures

3	Dips	**X**	$125.00	=	**$375.00**
	18" CMP	**X**	$0.00	=	**$0.00**
	other CMP	**X**	$0.00	=	**$0.00**
Drainage Cost Total				=	**$375.00**

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)		=	**$2,974.00**
Mobilization (Table T-4)	**7%**	=	**$208.00**
	Subtotal	=	**$3,182.00**

TOTAL COST	**$3,182.00**	***/***	**1.06**	Profit	=	**$3,002.00**

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #3

Unit or Road Number: PC2- existing template to Unit 37/37A and new construction in unit

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

Average Side Slope	8	%		
Length	910	Feet	**0.17**	Miles
Volume per Acre	9			

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

		Costs Prer Mile	
Clearing and Grubbing (Table T-1)	=	$3,220.00	Mile
Excavation (Table T-1)	=	$1,320.00	Mile
Seeding (Table T-1)	=	$0.00	Mile
Obliteration (Table T-1)	=	$2,500.00	Mile

Total Unit Cost Per Mile = **$7,040.00**

Baisc Cost Total X Length = **$1,197.00**

Drainage Structures

13	Dips	X	$125.00	=	**$1,625.00**
	18" CMP	X	$0.00	=	**$0.00**
	other CMP	X	$0.00	=	**$0.00**

Drainage Cost Total = **$1,625.00**

Other Requirements

Existing Temp Clearing/Grubbing	0.8	miles	X	$3,440.00	=	**$2,752.00**
Existing Temp Excavation	0.8	miles	X	$1,420.00	=	**$1,136.00**
###		###	X	$0.00	=	**$0.00**
###		###	X	$0.00	=	**$0.00**

Other Cost Total = **$3,888.00**

Subtotal (Basic + Drainage + Other) = **$6,710.00**

Mobilization (Table T-4) **7%** = **$470.00**

Subtotal = **$7,180.00**

TOTAL COST **$7,180.00** ***/*** **1.06** Profit = **$6,774.00**

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #4

Unit or Road Number: 44A and 44B/44D

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

Average Side Slope	35	%		
Length	2725	Feet	**0.52**	Miles
Volume per Acre	7			

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

		Costs Prer Mile	
Clearing and Grubbing (Table T-1)	=	$4,090.00	Mile
Excavation (Table T-1)	=	$2,240.00	Mile
Seeding (Table T-1)	=	$0.00	Mile
Obliteration (Table T-1)	=	$4,500.00	Mile

Total Unit Cost Per Mile = **$10,830.00**

Baisc Cost Total X Length = **$5,632.00**

Drainage Structures

5	Dips	**X**	$125.00	=	**$625.00**
	18" CMP	**X**	$0.00	=	**$0.00**
	other CMP	**X**	$0.00	=	**$0.00**

Drainage Cost Total = **$625.00**

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) = **$6,257.00**

Mobilization (Table T-4) **7%** = **$438.00**

Subtotal = **$6,695.00**

TOTAL COST **$6,695.00** ***/*** **1.06** Profit = **$6,316.00**

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #5

Unit or Road Number: 59

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

Average Side Slope	5	%		
Length	1610	Feet	**0.30**	Miles
Volume per Acre	8			

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

		Costs Prer Mile	
Clearing and Grubbing (Table T-1)	=	$3,220.00	Mile
Excavation (Table T-1)	=	$1,320.00	Mile
Seeding (Table T-1)	=	$0.00	Mile
Obliteration (Table T-1)	=	$2,500.00	Mile
Total Unit Cost Per Mile	=	**$7,040.00**	
Baisc Cost Total X Length	=	**$2,112.00**	

Drainage Structures

3	Dips	**X**	$125.00	=	**$375.00**
	18" CMP	**X**	$0.00	=	**$0.00**
	other CMP	**X**	$0.00	=	**$0.00**
Drainage Cost Total				=	**$375.00**

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)		=	**$2,487.00**	
Mobilization (Table T-4)	**7%**	=	**$174.00**	
	Subtotal	=	**$2,661.00**	

TOTAL COST	**$2,661.00**	***/***	**1.06**	Profit	=	**$2,510.00**

Total Cost to be entered on 2400-17

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season

\DVR114, Page :

				Units
First Period :	1-Jul	to	30-Sep	All
Second Period:	N/A	to	N/A	

(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: 07/30/14 mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: 09/30/14 mm/dd/yy

(ENTER N/A if no roads)

Contract Termination Date: 09/30/17 mm/dd/yy

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

Approximate Payment Date: **05/01/16**

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 = 12971 CCF

(B) Sale Duration = 3.2 YEARS (Calculated from Award Date to Termination Date)

(C) Operating Days in Sale = 384 (Sale Duration X 120 days.)

(D) CCF Per Day = ### (Total Volume / Operating Days in Sale)

(E) Men Needed to Log Sale = 6.8 (CCF Per Day / 5 CCF)

(F) Liability = $17.40 (Wage Rate AD 12 (hrs/shift) X 5 (# shifts) X

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

6.8 (# men) = TOTAL LIABILITY = $7,099

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

ROUNDED TOTAL = $7,100

When sale is entered through TIM, Bid Guarantee is calculated and auto-filled during completion of Gate 4 –Prospectus, Bid and Misc. Information – Page 1- (ADVR115)

MINIMUM PERFORMANCE BOND:

TIM Gate 4 - Prospectus, Bid and Misc. Information - Page 3 - (ADVR115)

The greater of (A) or (B) rounded **UP** to nearest $100.00 if sale is under $10,000.00 stumpage value and up to nearest $1,000.00 if sale is over $10,000 stumpage value.

(A) Advertised Value $144,900 X 10% = $14,490

Rounded 10% Advertised Value = **$15,000** **(A)**

(B) Purchaser requirements (Performance) - Based on number of seasons.

Road Maintenance =	$0.86	CCF
Erosion =	$2.74	CCF
Brush Disposal =	$37.10	CCF
Other =	$2.25	CCF
Total =	$42.95	CCF

Total Purchaser Requirements = $42.95 X Tot Vol 6515 CCF = $279,815 Tot Value

divided by 4 # Seasons = $69,954 Performance Bond Value

Rounded Performance Bond Value = **$70,000** **(B)**

MINIMUM PERFORMANCE BOND **$70,000**

2400-17 Input Sheet

Create New Sales

Forest No	10 - Flathead
District No	08 - Tally Lake
Sale No	14801
Sale Name	Ashley Herrig

Basic Information

Advertised Sale Number	14801		Size Class	6 - $100,000,01 thru $1,000,000	*
State	MT - Montana	*	Sale Status	7030 - Pending 14i SBO	*
County Code	029 - Flathead		SBA Code	N - No	*
Compartment No	31		Appraisal Type	TE - Transaction Evidence	*
Legal Description	T28N, R24W		Salvage Code	2 - Salv Sale or Salv Component in Regular Program	*
			Pricing Method	FLAT - Flat Rate	*
Appraisal Date	6/12/2014		SAI Collection	$97,750.00	
Contract Date			Contract No		
Term Date	9/30/2017		Contract Form	6 - Contract Form 2400-6	
Bid Date	7/30/2014		CO Authority	S - Forest Supervisor	*
			Sale Method	S - Sealed Bids	*
Modified By			Regulation Code	6 - 36 CFR 223.1	*
Modified Date					

Area & Volume

Sale Acres	8160	Cut Acres	789
Clearcut Acres	89	Clearcut Volume	625
Seed Tree Acres	111	Seed Tree Volume	849
Right Of Way Acres		Right Of Way Volume	
Final Seed Tree Acres	206	Final Seed Tree Volume	1481
Shelter Wood Acres		Shelter Wood Volume	
Cedar Poles: Volume			
Count			
Length			
Percent Salvage	73%		

Costs / CCF

		Comments
Slash FS	$4.88	
Slash Total	$41.98	
Erosion	$2.74	
Snag		
Misc	$1.10	Includes other (A), weeds (B), Misc ©
Temp Roads	$4.05	
Other Temp Dev		
Unusual Cond Adj	$1.43	Includes Swing yarding and Road Maintenance Deposit to Plum Creek
Road Maint Dep	$1.55	
Road Maint Total	$2.41	
Small Product Adj		

Roads

Construction Miles	0.5	Costs	$24,940
Reconstruction Miles		Costs	
Appraisal Point	Plum Creek-Evergreen	State	Montana
Total Haul Miles	32	Paved Miles	20.7
Temp Road Const Miles	1.9	Costs	$26,356
Contributed Funds			
Timber Property Value			

Logging Systems

	Acres	CCF	Distance(ft)
Tractor	605	4822	1142
Horse			
Ground Lead			
Skyline	184	1693	929
Heli			
Swing			
Forwarder			

Species/Products

U of M	Species	Product	TIM Species	Volume CCF	Volume MBF	% Defect	Base Rate	Base Index	Avg DBH	Logs/Unit
3 - CCF	019 - Subalpine Fir	1 - Sawtimber	AF	334	159	11	$14.51		8.8	24.9
3 - CCF	204 - Douglas Fir	1 - Sawtimber	DF	1946	926	16	$14.51		10.5	19.0
3 - CCF	017 - Grand Fir	1 - Sawtimber	GF	226	108	13	$14.51		9.9	19.7
3 - CCF	073 - Western Larch	1 - Sawtimber	L	772	367	8	$14.51		9.6	23.8
3 - CCF	108 - Lodgepole Pine	1 - Sawtimber	LP	3012	1433	13	$14.51		7.6	30.2
3 - CCF	093 - Englemann Spruce	1 - Sawtimber	S	225	107	11	$14.51		10.8	15.9
3 - CCF	007 - NONSAW	8 - Non-Sawlog	CS	6456	3656	0	$1.00		0	0

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 $21.25

Conversion to Tons

	Adv. Rate	CCF Vol	Tons	Advertised Rate per Ton
Sawtimber	$21.25	6515	19574	**$7.07**
Non_Saw	$1.00	6456	17562	**$0.37**
Base Rate (Sawtimber)	$14.51	6515	19574	**$4.83**

Total Advertsed Value **$144,899.75**