

2450

NORTHERN REGION - R-1

updated 10-24-13

FOREST = **14 - Kootenai** \*

DISTRICT **07 - Cabinet** \*

Expiration Date = April 1, 2014

V13.2

**TIMBER SALE AND  
TRANSACTION EVIDENCE  
APPRAISAL REPORT**

**Pilgrim**  
(SALE NAME)

Select Contract Type

TIM # **71304**

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="Pilgrim Creek Timber Sale Project"/>	<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.



**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](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:

Cruisers:

Method:

Results:

SE%:

Method of determining ROW volume:

Basis for Percent Defect:

**TOTAL CF VOLUME BY UNIT --- NCS REPORT**

Unit #	Acres	Sawtimber	CCF	Non-Saw	CCF
ROW units need to be entered last					
1	26	58057	581	4275	43
2	68	140993	1410	28125	281
3	69	143066	1431	28538	285
4	31	71704	717	11789	118
5	14	32383	324	5342	53
6	8	18504	185	3042	30
8	62	85245	852	87396	874
10T	12	21068	211	15130	151
10S	49	86026	860	61782	618
10B	76	104494	1045	91804	918
11B	25	34373	344	30199	302
12S	10	15060	151	15860	159
12	171	257529	2575	271202	2712
12B	75	103120	1031	105721	1057
16	8	14365	144	3355	34
18	26	60139	601	9887	99
19	26	46685	467	10904	109
21A	31	55663	557	13001	130
21B	30	53867	539	12582	126
23	4	7023	70	5043	50
23B	18	32320	323	7549	75
24	21	37707	377	8807	88
25	30	69391	694	11408	114
26	57	102347	1023	23905	239
27	30	69391	694	11408	114
28	20	48250	483	9355	94
28A	3	7237	72	1403	14
29	16	38600	386	7484	75
30	8	12048	120	12688	127
		2647489	<b>Sawtimber</b>	1146241	<b>Non-Saw</b>
			<b>18267</b>		<b>9089</b>
			<b>26477</b>		<b>11462</b>
			(Sheet 1)		(Sheet 1&2)

**NET**  
**MBF/CCF Ratio from**  
**NCS Report CS1**  
 Sawtimber (Product 01)  
 0.5071  
 Non-Saw (Product 08)  
 0.5158

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

Species	Saw	Rounded	%Defect	Av. DBH	Logs/Unit
AF	38362	384	10	9.9	19.8
C	12454	125	14	9.3	20.6
DF	1032400	10323	11	12.6	14
GF	352671	3527	15	11.5	13.6
H	86719	867	12	9.5	13.6
L	71640	716	13	9.3	21.4
LP	997603	9976	11	9.7	20.2
PP	16832	168	10	11.8	13.6
S	33052	331	9	10.8	16.7
WP	6002	60	8	10.5	22.3

2647735

**NCS REPORT (UC5)**

Non-Saw	Rounded
13407	134
2903	29
119941	1199
52765	528
68662	687
35450	355
842637	8427
1701	17
6132	61
2520	25

1146118

**TOTAL VOLUME** **26477** CCF

**11462** CCF

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.#	Cruise		ROW	Logging Method	Harvest Method	Land Suit Class	MA	Unit Volume CCF		Yield Component	
		Unit Acres	Appraisal Acres						Sawtimber	Non-Saw	CL	NL
ROW units need to be entered last												
1	1	26	26		420	220	500	12	581	43	624	
2	1	68	68		420	220	500	12	1410	281	1691	
3	1	69	69		420	220	500	12	1431	285	1716	
4	1	31	31		430	121	500	12	717	118	835	
5	1	14	14		430	121	500	12	324	53	377	
6	1	8	8		430	121	500	12	185	30	215	
8	1	62	62		430	121	500	12	852	874	1726	
10T	1	12	12		420	132	500	12	211	151	362	
10S	1	49	49		430	132	500	12	860	618	1478	
10B	1	76	76		430	132	500	12	1045	918	1963	
11B	1	25	25		430	132	500	12	344	302	646	
12S	1	10	10		430	132	500	12	151	159	310	
12	1	171	171		420	132	500	12	2575	2712	5287	
12B	1	75	75		430	121	500	12	1031	1057	2088	
16	1	8	8		430	220	500	12	144	34	178	
18	1	26	26		430	121	500	12	601	99	700	
19	1	26	26		430	220	500	12	467	109	576	
21A	1	31	31		430	220	500	12	557	130	687	
21B	1	30	30		420	220	500	12	539	126	665	
23	1	4	4		420	132	500	12	70	50	120	
23B	1	18	18		420	220	500	12	323	75	398	
24	1	21	21		430	220	500	12	377	88	465	
25	1	30	30		430	121	500	12	694	114	808	
26	1	57	57		430	220	500	12	1023	239	1262	
27	1	30	30		430	132	500	12	694	114	808	
28	1	20	20		430	220	500	12	483	94	577	
28A	1	3	3		420	220	500	12	72	14	86	
29	1	16	16		420	220	500	12	386	75	461	
30	1	8	8		420	132	500	12	120	127	247	
<b>Totals Sheet 1</b>									<b>18267</b>	<b>9089</b>	<b>27356</b>	<b>0</b>

Total Sale Area: **0** (Sheet 1)  
 Total Cutting Area: **1024** (Sheet 1)

Total Sawtimber (Sheet 1)  
 Total Saw + Non-Saw (Sheet 1)

Sale Area Acres  
 Acres

**18267** CCF  
**27356** CCF

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

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

Unit #	P.U.#	Cruise		ROW Acres	Logging Method	Harvest Method	Land Suit Class	MA	Unit Volume CCF		Yield Component	
		Unit Acres	Appraisal Unit Acres						Saw+Add	Non-Saw	CL	NL
31	1	30	30		430	132	500	12	452	476	928	
32	1	10	10		420	132	500	12	151	159	310	
34	1	27	27		430	220	500	12	485	113	598	
34A	1	26	26		430	220	500	12	467	109	576	
35	1	52	52		430	220	500	12	934	218	1152	
36	1	45	45		430	220	500	12	808	189	997	
37	1	34	34		430	121	500	12	786	129	915	
39	1	20	20		420	121	500	12	463	76	539	
39A	1	39	39		420	121	500	12	902	148	1050	
39B	1	22	22		420	132	500	12	331	350	681	
39C	1	5	5		430	132	500	12	90	21	111	
40	1	33	33		430	121	500	12	763	125	888	
40B	1	35	35		420	121	500	11	810	133	943	
40C	1	20	20		420	121	500	12	463	76	539	
IP3	1	9	9	9	420	270	857	row	134	29		
IP5	1	1	1	1	420	270	857	row	23	2		
IP6	1	4	4	4	420	270	857	row	72	9		
OR3	1	2	2	2	420	270	857	row	30	7		
OR5	1	2	2	2	420	270	857	row	46	4		
<b>Total (Sheets 1&amp;2)</b>									<b>26477</b>	<b>11462</b>	<b>37583</b>	<b>0</b>

ROW units need to be entered last

0	26477	CCF
1440	37939	CCF

Total Sawtimber (Sheets 1&2)  
Total Saw + Non-Saw (Sheets 1&2)

0	Sale Area Acres
1440	Acres (Sheets 1&2)

Total Sale Area:  
Total Cutting Area:

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

Species	Defect %	Net Volume	Total Additional	Total Net	Tons Per CCF	Total Tons
AF	10	384	0	384	2.4735	950
C	14	125	0	125	2.3540	294
DF	11	10323	0	10323	3.0160	31134
GF	15	3527	0	3527	3.1275	11031
H	12	867	0	867	3.2425	2811
L	13	716	0	716	3.1935	2287
LP	11	9976	0	9976	3.0210	30137
PP	10	168	0	168	3.2230	541
S	9	331	0	331	2.7040	895
WP	8	60	0	60	3.2230	193
<b>TOTAL =</b>	<b>12</b>	<b>26477</b>	<b>0</b>	<b>26477</b>		<b>80273</b>

Net MBF/CCF Ratio For  
Sawtimber From NCS  
Report CS1 **0.5071**

TIM Conversion	Prep 105 Factors
<b>MBF</b>	<b>CCF</b>
0.1672	0.3298

NON-SAWTIMBER - CCF

Species	Net Volume	Additional Non-Saw	Total Net	Tons Per CCF	Total Tons
AF	134		134	2.3340	313
C	29		29	2.1400	62
DF	1199		1199	2.7885	3343
GF	528		528	2.9470	1556
H	687		687	3.0590	2102
L	355		355	3.0785	1093
LP	8427		8427	2.1371	18009
PP	17		17	3.1510	54
S	61		61	2.6330	161
WP	25		25	3.1500	79
<b>TOTAL =</b>	<b>11462</b>	<b>0</b>	<b>11462</b>		<b>26772</b>

90% %Dead

Net MBF/CCF Ratio For  
Non-Sawtimber From NCS  
Report CS1 **0.5158**

TIM Conversion	Prep 105 Factors
<b>MBF</b>	<b>CCF</b>
0.2208	0.4281

<b>TOTALS =</b>	<u>Gross</u> 0	<u>Net</u> 37939	<u>Tons</u> 107045
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APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	<u>37939</u>
APPRAISAL VOLUME (CCF)	<u>26477</u>
CONTRACT VOLUME (TONS)	<u>107045</u> (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	<u>2.82</u>

**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 ADV114

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

From the list below select the description of non-sawtimber products that reflect how the products were cruised and input in NCS.

The description below is to be included in A(T)2 of timber sale. (Refer to non-sawtimber appraisal guide for more details & instructions).

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	
		<input checked="" type="checkbox"/>	Live and Dead	DF& Other	0.1672	0.3298	7	1	8.0
<input checked="" type="checkbox"/>	CS	Live and Dead	0.2208	0.4281	4	1	8.0	2.5	N/A
<input type="checkbox"/>	C14	Cedar Products - Net Merch. Factor - Refer to C(T)6.804#							

**Select Non-Sawtimber Products description from the following:**

Non-Sawtimber products include (C(T)2.2): Primary product includes all trees  to  DBH (less than minimum Sawtimber specifications shown in A(T)2); secondary product include tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2; and all trees not meeting minimum Sawtimber specifications but containing at least 50% pulpable woodfiber in terms of gross cubic volume. (C(T)6.801)

Non-Sawtimber products include (C(T)2.2): secondary product which are the tops of Sawtimber trees less than diameter inside bark small end shown in A(T)2; and any portion of a Sawtimber tree not meeting minimum Sawtimber specifications shown in A(T)2 but containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).

Non-Sawtimber products include (C(T)2.2): secondary product which is the top portion of Sawtimber trees less than diameter inside bark small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).

Non-Sawtimber products include (C(T)2.2): Primary product includes all trees  to  DBH (less than minimum Sawtimber specifications shown in A(T)2) and secondary product which are tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).

Non-Sawtimber products include (C(T)2.2): Primary product includes all trees  to  DBH (less than minimum Sawtimber specifications shown in A(T)2) and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).



**HAUL**

Appraisal Point:  
Total Sawtimber Tributary Volume:

T-Falls  
26,477

State  
Montana

(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
	10B	11B	12B	16	12	12B	11B	10B	10T	21B	21	Paved	Unpaved							
2719	10B	11B	12B	16												3.9	2564	0.38		
149	12S	18	19	16	12	12B	11B	10B	10T	21B	21					4.4	7108	1.18		
2744C	26	27														0.9	1717	0.06		
2744D	26	27														2.72	1717	0.18		
2744	10S	25	24	27	26	12S	8									9.5	4651	1.67		
2718	23	21B	21A	23B												1.7	1489	0.10		
49 COUNT	12S	18	19	16	12	12B	11B	10B	10T	21B	21	10S	25	24	27	5	9733	1.84		
49 COUNT	26	12S	8	23	21B	21A	23B									5	3515	0.66		
2706B	1	2																		
2706C	3															0.75	1991	0.06		
2706	1	2	3	4	5	6										0.25	1431	0.01		
2229 count	1	2	3	4	5	6										5.95	4648	1.05		
9/149 TO H	1	2	3	4	5	6										3.7	4648	0.65		
9/149 TO H	12S	18	19	16	12	12B	11B	10B	10T	21B	21	10S	25	24	27	1	8163	0.31		
																1	9733	0.37		
2746	34	34A	35	39	39B	39C	40	40B	40C								4806	0.84		
229 TO HW	34	34A	35	39	39B	39C	40	40B	40C							5	4806	0.91		
2710	31	32														1.03	603	0.02		
2214	28	28A	29	30	31	32										6.25	1664	0.39		
2214H	36	37														2.11	1594	0.13		
2214	28	28A	29	30	31	32	36	37								3.75	3258	0.46		
O MRTN B	28	28A	29	30	31	32	36	37								2.2	3258	0.27		
BRIDGE T	28	28A	29	30	31	32	36	37								8	3258	0.98		

WTD Total Paved Miles

2.2

(Sheet 1)

WTD Total Unpaved Miles

10.3

(Sheet 1)

WTD Total Miles

12.5

(Sheet 1)



**NON-SAWTIMBER ADJUSTMENTS**

**DATA INPUT**

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$39.55	
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	11,462	
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	26,772	
Tons / CCF for nonsawtimber material	2.34	0.00 Adjustment
Total Appraised Sawlog Volume (CCF)	26,477	
Total One Way Weighted Haul Miles	75	25 Adjustment

<b>Logging System</b>	<b>All Ground Based</b>	<b>All Cable</b>	<b>Forwarder</b>
Nonsawtimber Primary Product (CCF)	3,443	5,007	
Net MBF / Acre Harvested for nonsawtimber primary product	3.0	0.2	0
Average DBH Harvested for nonsawtimber primary product	6.8	6.8	
Average Yarding Distance (Feet)	1,077	1,006	0
Nonsawtimber Primary Product (Tons)	8,042	11,695	0
Net Tons / Acre Harvested for nonsawtimber primary product	7.0	0.4	15.9

<b>Nonsawtimber Adjustment</b>	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	-\$1.86
Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF)	\$1.86

**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**

<b>Total Performance Recurrent Maintenance (Part A)</b>	<b>\$/CCF</b>	<b>\$/TON</b>
C(T)5.31 - Recurrent Maintenance	\$2.15	\$0.75
C(T)5.312 - Reconditioning	\$0.62	\$0.20
<b>Total Performance (Part A)</b>	<b>\$2.77</b>	<b>\$0.95 ( A )</b>
<b>Total Required Deposits (Recurrent and Deferred) (Part B)</b>		
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105)		
C(T)5.32# - Total Required Deposits (Part B)	\$0.66	\$0.24 ( B )
C(T)5.314 - Total Dust Abatement (Part C)	\$1.23	\$0.43 ( C )
<b>TOTAL MAINTENANCE COST (Parts A-B-C)</b>	<b>\$4.66</b>	<b>\$1.62</b>

**Appraisal Rates**

*(Entries for 2400 - 17)*

<b>Total Required Deposits</b>	<b>\$ 0.95 CCF</b>
<b>Total Road Maintenance Costs (Performance + Deposits)</b>	<b>\$ 6.68 CCF</b>

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

**LOGGING METHOD SUMMARY**

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	TOTAL
Acres	589	0	851	0	0	1440
Volume	11143	0	15334	0	0	26477
EYD	1077	0	1006	0	0	

**IDENTIFY FACILITIES (ADVR102)**

Attach completed "IDENTIFY FACILITIES FORM"  
*J:\fsfiles\office\resources\Timber\Appraisal\_Contract\Appraisal*

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	4.6	\$173,343
Reconstruction	23.7	\$120,173
<b>Total Cost</b>	<b>\$293,516</b>	<b>26477 CCF = \$11.09 \$ / CCF</b>

**BASE RATE ADJUSTMENT FOR REGENERATION COST**

Total Required Regeneration Costs - FACTS Line 21 Remarks

\$247,694.00

(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)

37,939      \$0.25      \$9,484.75

Select Either (a) or (b)

% Sawtimber

(A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. =

\$247,694.00      100%      \$247,694.00 (d)

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

=

Total:      \$257,178.75 (a)

(a)

Species Groups	Minimum Rates 1/		Base Rates 2/		
	Volume (CCF)	Per CCF	Total	Per CCF	Total
WP, PP, C	353	\$5.00	\$1,765.00	\$11.25	\$3,972.56
All other species (list)	26124	\$3.00	\$78,372.00	\$9.25	\$241,744.19
Nonsawtimber (all species)	11462	\$1.00	\$11,462.00	\$1.00	\$11,462.00
<b>TOTALS</b>	<b>37939</b>	<b>XXXXXX</b>	<b>\$91,599.00</b>	<b>XXXXXX</b>	<b>\$257,178.75</b>
Sawtimber (Appraisal) Volume	26477			Weighted Average Minimum Rate	\$3.03

(b)

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

\$165,579.75 (c)

Note: If minimum rate total (b) => (a) no adjustment needed

Adjust Base Rate

Adjustment To Minimum Rate:

\$ (c) / (Total Sawtimber Volume) CCF = \$ \_\_\_/CCF

\$165,579.75      26,477      \$6.25

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 =

\$247,694.00

( 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)      **\$239,829.00** Total \$      (a) **\$9.06** CCF

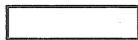
Purchaser Rate (Fund Code PPPP)      **\$230,881.00** Total\$      (b) **\$8.72** CCF

**TOTAL: (a) + (b) = **\$17.78** CCF**

**Contract Rates (Applied to All Products)**

Forest Service Rate Per CCF (Fund Code BDBD)      **\$6.32** CCF

(Rate Per CCF Converted to Tons for Weight Scale Contracts)      **\$2.24** TON



**Lump Sum BD Deposits for Weight Scaled Sales**

Cutting Unit Number	Required Deposits
1	\$3,981.94
2	\$10,790.81
3	\$10,950.34
4	\$5,328.40
5	\$2,405.76
6	\$1,371.98
8	\$11,014.15
10T	\$2,310.04
10S	\$9,431.59
10B	\$12,526.52
11B	\$4,122.33
12S	\$1,978.21
12	\$33,738.02
12B	\$13,324.19
16	\$1,135.87
18	\$4,466.92
19	\$3,675.64
21A	\$4,383.96
21B	\$4,243.58
23	\$765.76
23B	\$2,539.76
24	\$2,967.31
25	\$5,156.10
26	\$8,053.22
27	\$5,156.10
28	\$3,682.02
28A	\$548.79
29	\$2,941.79
30	\$1,576.19

**Total Cost      **\$174,567.29****

(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 rationale for deviation from the standard seed mix.

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

Winter Wheat	18
Hard Fescue	6
Orchard Grass	6

<b>TOTAL</b>	<b>30</b>
--------------	-----------

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

25-10-10 or 27-12-12 or 34-16-10	240
-------------------------------------	-----

<b>TOTAL</b>	<b>240</b>
--------------	------------

### Crossdrains

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

### Scarification

acres @  per acre =

### Seed and Fertilizer

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

Temporary Roads  feet =  acres

Firelines  feet =  acres

### Skid Trails

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

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

### Landings

Number of landings  X  acres per landing =  acres

**TOTAL**  acres

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder
Acres	589	0	851	0	0

Seed mix, fert., labor costs:

	<u>Lbs / Acre</u>		<u>\$ / Lb</u>	=	<u>\$ per Acre</u>
Winter Wheat	18	X	\$2.00	=	\$36.00
Hard Fescue	6	X		=	\$0.00
Orchard Grass	6	X	\$2.00	=	\$12.00
0	0	X		=	\$0.00
0	0	X	\$2.00	=	\$0.00
Fertilizer	240	X	\$0.20	=	\$48.00
*Labor per Acre				=	\$240.00

\$ per acre **\$336.00**

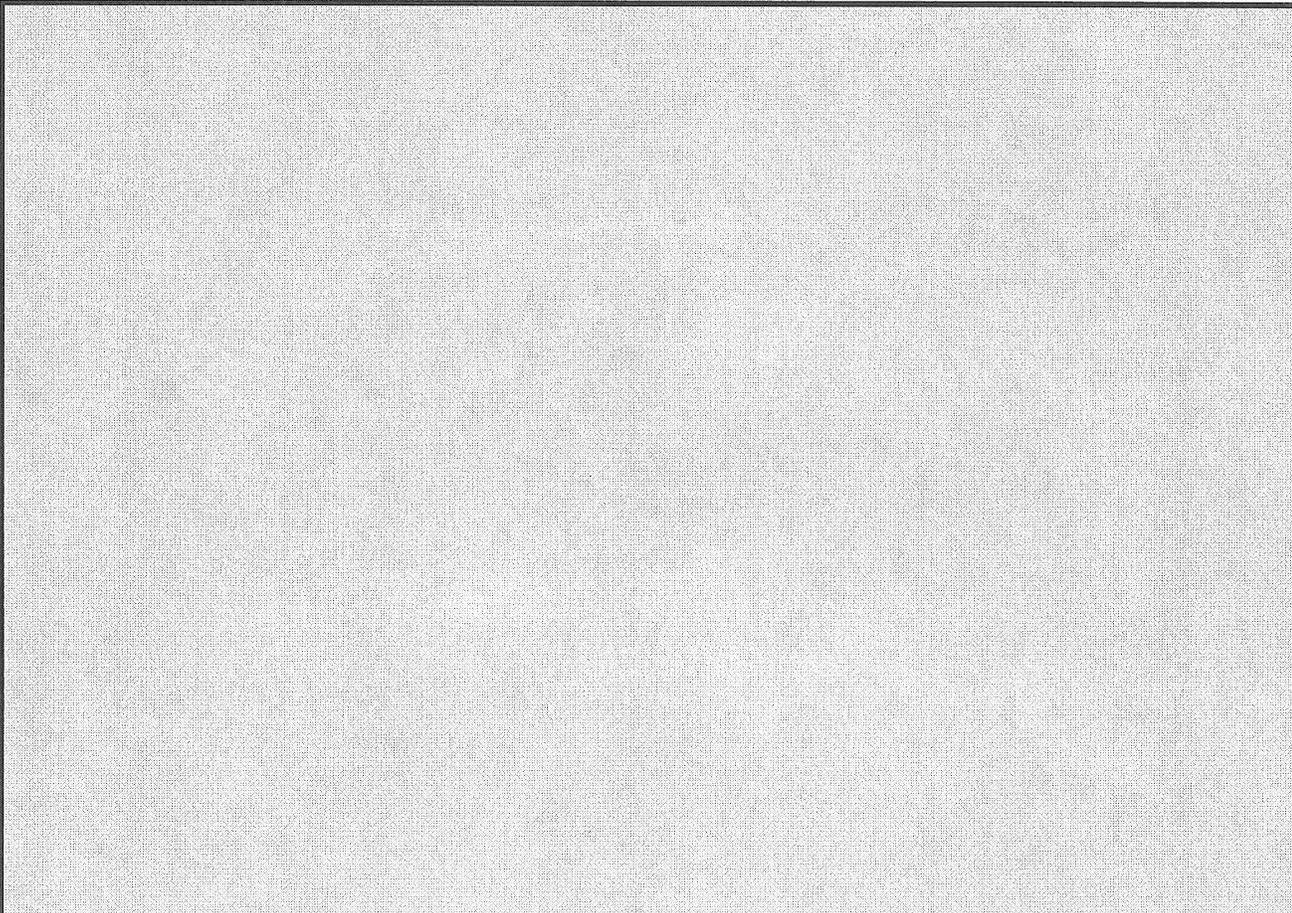
**Total cost for**

<b>SEEDING</b>	<b>65.5</b>	acres	X	<b>\$48.00</b>	\$/acre =	<b>\$3,144.00</b>
<b>FERTILIZER</b>	<b>65.5</b>	acres	X	<b>\$48.00</b>	\$/acre =	<b>\$3,144.00</b>
<b>LABOR</b>	<b>65.5</b>	acres	X	<b>\$240.00</b>	\$/acre =	<b>\$15,720.00</b>
<b>SCARIFICATION</b>						<b>\$0.00</b>
<b>TOTAL</b>						<b>\$22,008.00</b>

**\$22,008.00** COST / **26477** CCF = **\$0.83** 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
2744C install Earth Barrier	1	X	\$500.00 each	=	\$500.00
2744D install Earth Barrier	1	X	\$500.00 each	=	\$500.00
2214H @ 1.3 install Earth Barrier	1	X	\$500.00 each	=	\$500.00
2718 install Earth Barrier	1	X	\$500.00 per mile	=	\$500.00
Road Stabilization - 2744C, 2744D	6.1	X	\$695.00 per mile	=	\$4,239.50
2214H, 2719, 2718 (scarify (\$200/mi), seed and fertilize (\$495/Mi)					
2744D Culvet Removal	3	X	\$1,000.00 each	=	\$3,000.00
2744C Culvet Removal	1	X	\$1,000.00 each	=	\$1,000.00
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

**\$10,239.50** Cost / **26477** CCF = **\$0.39** CCF

**Subtotal Other Contractual Requirements (A)** = **\$0.39** 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>
		\$0.00	\$0.00 mile

Price quote for herbicide obtained from: \_\_\_\_\_

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

Miles of road to be sprayed:  miles

<u>Herbicide to be applied:</u>	<u>Miles</u>	<u>\$ UOM</u>	<u>Tot Cost</u>
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00

Sufactant & dye:	<input type="text" value="0"/>		\$0.00
Application Cost (Labor):	<input type="text" value="0"/>		\$0.00
Misc. Expense:	<input type="text" value="0"/>		\$0.00

**TOTAL WEED TREATMENT:**  cost /  CCF =  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)	<input type="text"/>	Number of seasons	<input type="text"/>
Cleaning costs per piece	<input type="text" value="\$0.00"/>	CCF	<input type="text" value="26477"/>

Total cost for washing equipment per CCF  CCF

**Subtotal Other Contractual Requirements (B)**  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 /  26477 CCF =  \$0.00 CCF

**Snow Plowing**

# miles X  per mile X  # plowings =  \$0.00

\$0.00 Cost /  26477 CCF =  \$0.00 CCF

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

ITEM	#	X	COST	=	TOT COST
cost for swing yarding unit 4 ,29	1	X	\$11,822.00 total	=	\$11,822.00
Temp Act Barriers	3	X	\$150.00 per each	=	\$450.00
Roads 2744C, 2744D, 2718					
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

\$12,272.00 Cost /  26477 CCF =  \$0.46 CCF

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

<b>Total Other Contractual Requirements (A+B+C)</b>	<input type="text"/> \$0.39 CCF
<b>Brush Disposal (Purchaser and FS)</b>	<input type="text"/> \$17.78 CCF
<b>Total Environmental Protection Cost</b>	<input type="text"/> \$18.17 CCF

**TEMPORARY ROADS**

1.09 Miles

Temporary Road #1

Temp A (unit 35)

Cost \$

\$1,012.00

Temporary Road #2

Temp B (unit 39B)

Cost \$

\$1,279.00

Temporary Road #3

Temp C (Unit 40 C)

Cost \$

\$3,652.00

Temporary Road #4

0

Cost \$

\$0.00

Temporary Road #5

0

Cost \$

\$0.00

**TOTAL TEMPORARY ROAD COST =**  
**(Total Temporary Development Costs)**

**\$5,943.00**

**\$5,943.00** COST / **26477** CCF = **\$0.22** CCF

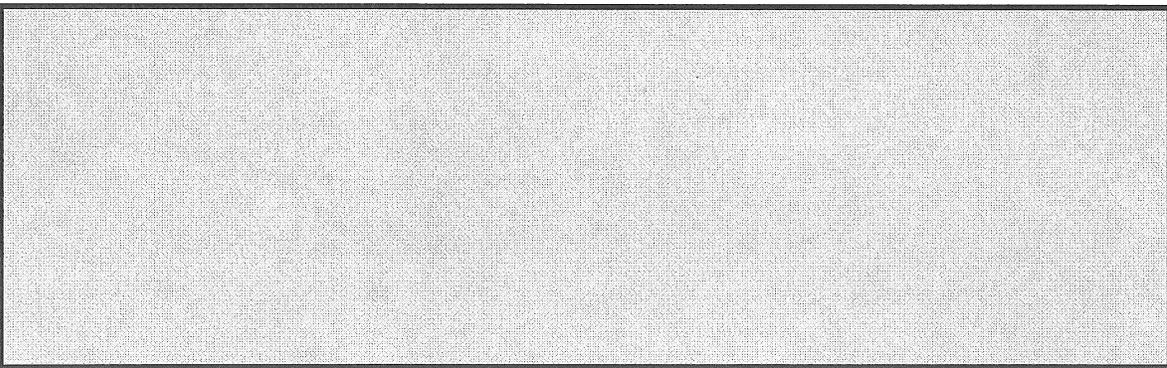
Cost Guide for Temporary Roads

[http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb5279261.pdf](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5279261.pdf)

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF

**\$0.06**

**UNUSUAL CONDITION ADJUSTMENTS**



**\$0.00** Cost \$ / **26477** CCF = **\$0.00** CCF

**TEMPORARY ROAD COSTS #1**

Unit or Road Number **Temp A (unit 35)**

*Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-10.*

Average Side Slope	<b>30</b>	%		
Length	<b>685</b>	Feet	<b>0.13</b>	Miles
Volume per Acre	<b>0</b>			

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

Clearing and Grubbing (Table T-1)	=	<b>\$3,980.00</b>	Mile
<b>evergreen ceanothus</b>			
Excavation (Table T-1)	=	<b>\$2,240.00</b>	Mile
<b>light</b>			
Seeding (Table T-1)	=	<b>\$870.00</b>	Mile
<b>seed cost used here not under erosions control</b>			
Obliteration (Table T-1)	=	<b>\$625.00</b>	Mile
<b>Surface scarification</b>			

**Total Unit Cost Per Mile = \$7,715.00**

**Basic Cost Total X Length = \$1,003.00**

Drainage Structures

<input type="checkbox"/>	Dips	X	<input type="checkbox"/>	=	<b>\$0.00</b>
<input type="checkbox"/>	18" CMP	X	<input type="checkbox"/>	=	<b>\$0.00</b>
<input type="checkbox"/>	other CMP	X	<input type="checkbox"/>	=	<b>\$0.00</b>

**Drainage Cost Total = \$0.00**

Other Requirements

<b>###</b>	<input type="checkbox"/>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<input type="checkbox"/>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<input type="checkbox"/>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<input type="checkbox"/>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Other Cost Total = \$0.00**

Subtotal (Basic + Drainage + Other) = **\$1,003.00**

Mobilization (Table T-4) **7%** = **\$70.00**

Subtotal = **\$1,073.00**

**TOTAL COST \$1,073.00 / 1.06 Profit = \$1,012.00**

*Total Cost to be entered on 2400-17*

**TEMPORARY ROAD COSTS #2**

Unit or Road Number **Temp B (unit 39B)**

*Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-10.*

Average Side Slope **5** %  
 Length **1055** Feet **0.20** Miles  
 Volume per Acre **0**

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

Clearing and Grubbing (Table T-1)	=	<b>\$3,660.00</b> Mile
<b>light grass</b>		
Excavation (Table T-1)	=	<b>\$1,320.00</b> Mile
<b>light</b>		
Seeding (Table T-1)	=	<b>\$730.00</b> Mile
<b>seed cost used here not under erosions control</b>		
Obliteration (Table T-1)	=	<b>\$625.00</b> Mile
<b>Surface scarification</b>		

**Total Unit Cost Per Mile = \$6,335.00**

**Basic Cost Total X Length = \$1,267.00**

Drainage Structures

<b>Dips</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>18" CMP</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>other CMP</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Drainage Cost Total = \$0.00**

Other Requirements

<b>###</b>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<b>###</b>	<b>###</b>	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Other Cost Total = \$0.00**

Subtotal (Basic + Drainage + Other) = **\$1,267.00**

Mobilization (Table T-4) **7%** = **\$89.00**

Subtotal = **\$1,356.00**

**TOTAL COST \$1,356.00 / 1.06 Profit = \$1,279.00**

*Total Cost to be entered on 2400-17*

**TEMPORARY ROAD COSTS #3**

Unit or Road Number: **Temp C (Unit 40 C)**

*Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-10.*

Average Side Slope	<b>0</b>	%		
Length	<b>4013</b>	Feet	<b>0.76</b>	Miles
Volume per Acre	<b>0</b>			

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

Clearing and Grubbing (Table T-1)	=	<b>\$2,745.00</b>	Mile
Old rd prism, minor clearing used 75% of recommended cost			
Excavation (Table T-1)	=	<b>\$660.00</b>	Mile
Old rd prism, minor clearing, cut recommended cost in half			
Seeding (Table T-1)	=	<b>\$730.00</b>	Mile
seed cost used here not under erosions control			
Obliteration (Table T-1)	=	<b>\$625.00</b>	Mile
Surface scarification			

**Total Unit Cost Per Mile = \$4,760.00**

**Basic Cost Total X Length = \$3,618.00**

**Drainage Structures**

<input type="checkbox"/>	Dips	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<input type="checkbox"/>	18" CMP	X	<b>\$0.00</b>	=	<b>\$0.00</b>
<input type="checkbox"/>	other CMP	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Drainage Cost Total = \$0.00**

**Other Requirements**

###	<input type="checkbox"/>	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	<input type="checkbox"/>	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	<input type="checkbox"/>	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>
###	<input type="checkbox"/>	###	X	<b>\$0.00</b>	=	<b>\$0.00</b>

**Other Cost Total = \$0.00**

Subtotal (Basic + Drainage + Other) = **\$3,618.00**

Mobilization (Table T-4) **7%** = **\$253.00**

Subtotal = **\$3,871.00**

**TOTAL COST \$3,871.00 / 1.06 Profit = \$3,652.00**

*Total Cost to be entered on 2400-17*

**TIMBER SALE CONTRACT INFORMATION**

**Tim Gate 4 - Contract Preparation information (ADVR114)**

**Normal Operating Season**  
ADVR114, Page 1

First Period :  to  ALL

Second Period:  to

*(Note: If sale has more than one NOS - List dates and units for each NOS 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.*

**WIRE LIABILITY CALCULATION (ADVR114, Page 4)**

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / w  
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-C  (hrs/shift) X  (# shifts) X  
[http://www.fs.fed.us/r1/fire/nrcg/Committees/business\\_commit](http://www.fs.fed.us/r1/fire/nrcg/Committees/business_commit)  
 (# men) = TOTAL LIABILITY =

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00  
**ROUNDED TOTAL =**



**Create New Sales**

Forest No	14 - Kootenai
District No	07 - Cabinet
Sale No	71304
Sale Name	Pilgrim

**Basic Information**

Advertised Sale Number	71304
State	MT - Montana *
County Code	089 - Sanders
Compartment No	17
Legal Description	T25N R34W PMM
Appraisal Date	
Contract Date	10/31/2019
Term Date	
Bid Date	
Modified By	M Wiedeman
Modified Date	7/1/2013

Size Class	6 - \$100,000,01 thru \$1,000,000 *
Sale Status	7030 - Pending 14i SBO *
SBA Code	Y - Yes *
Appraisal Type	TE - Transaction Evidence *
Salvage Code	2 - Salv Sale or Salv Component in Regular Program *
Pricing Method	FLAT - Flat Rate *
SAI Collection	\$247,694.00
Contract No	
Contract Form	6 - Contract Form 2400-6
CO Authority	R - Regional Forester *
Sale Method	A - Auction *
Regulation Code	12 - 36 CFR 223.86 *

**Area & Volume**

Sale Acres		Cut Acres	1440
Clearcut Acres		Clearcut Volume	
Seed Tree Acres	452	Seed Tree Volume	7094
Right Of Way Acres	18	Right Of Way Volume	305
Final Seed Tree Acres		Final Seed Tree Volume	
Shelter Wood Acres		Shelter Wood Volume	
Cedar Poles: Volume			
Count			
Length			
Percent Salvage	57%		

**Costs / CCF**

Slash FS	\$9.06
Slash Total	\$17.78
Erosion	\$0.83
Snag	
Misc	\$0.39
Temp Roads	\$0.22
Other Temp Dev	
Unusual Cond Adj	
Road Maint Dep	\$0.95
Road Maint Total	\$6.68
Small Product Adj	\$1.86

Comments

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

**Roads**

Construction Miles	4.6
Reconstruction Miles	23.7
Appraisal Point	
Total Haul Miles	50
Temp Road Const Miles	1.1
Contributed Funds	
Timber Property Value	

Costs	\$173,343
Costs	\$120,173
State	Montana
Paved Miles	39.5
Costs	\$5,943

**Logging Systems**

	Acres	CCF	Distance(ft)
Tractor	589	11143	1077
Horse			
Ground Lead			
Skyline	851	15334	1006
Heli			
Swing			
Forwarder			

**Species/Products**



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 

\$9.28
--------

Conversion to Tons

	<u>Adv. Rate</u>	<u>CCF Vol</u>	<u>Tons</u>	<u>Advertised Rate per Ton</u>
Sawtimber	\$9.28	26477	80273	\$3.06
Non_Saw	\$1.00	11462	26772	\$0.43
Base Rate (Sawtimber)	\$9.28	26477	80273	\$3.06

Total Advertised Value 

\$257,168.56
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