

2450

NORTHERN REGION - R-1

FOREST = 14 - Kootenai *

DISTRICT 05 - Libby *

Expiration Date = April 1, 2016

V15.2

TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT

WYOMA/HORNET
(SALE NAME)

Select Contract Type

TIM # 16503

TYPE 6 - Contract Form 2400-6 UOM TON

Prepared by (Signature)

(Date)

Prepared by (Signature)

(Date)

Reviewed by (Signature)

(Date)

Recommended 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="East Reservoir"/>	<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 (ADV115). 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.

Harvest unit boundaries have changed slightly from original units included in Alt 2. Harvest units are smaller on average than originally planned in Alt 2. FS Cruiser to TSR unit labels; 36P = 363P, 36A = 368A, 36C = 368C, 67A = 367A, 21A = 219A. Units 363P, 363-1, and 363-2 have been combined into one unit labeled 363P. Units 364, 365, 367, & 367A were originally planned as under burn; now planned as GP. Note to file from John Gier stating no issues with change.

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

<u>Purpose (TIM -PREP101)</u>	<u>Activity</u>	<u>% of Sale Volume - CCF (TIM - PREP101)</u>
TC - Timber Commodity Purpose *	10 - Forest and Health *	100
*		
*		

KOOTENAI SALE PURPOSE CODING INSTRUCTIONS

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

<u>Management Areas</u>	<u>Sale Purpose Code</u>	<u>Type of sale</u>
All suitable MA's (MA 11,12,14,15,16,17)	TC/01	All sawtimber, non-sawtimber and fuelwood sales on all contract forms including permits.
Non suitable MA's	FS/___	All sawtimber sales, select the most appropriate activity based on documented sale purpose.
<i>In the absence of documented sale purpose reasons for nonsuitable MA'S, the following codes, based on stated goals and objectives in the Forest Plan, will be used.</i>		
MA 3, 5, 19	FS/10	General salvage
MA 6	FS/20	Hazard tree removal
MA 10	FS/30	Wildlife Habitat Improvement
MA 18	FS/90	Test Regen Techniques
<u>Percentage:</u> The percentage distribution will be 100% EXCEPT when an individual sale includes a mix of suitable and nonsuitable MA's. In this circumstance, the percentage split between TC and FS coding will be based on the sawtimber volume in the MA's. DO NOT distribute the percentage for nonchargeable product volume that may be included on sawtimber sales in suitable MA's. Code these as 100% TC/01.		
Convertible product permits and non timber commercial sale contracts or permits.	FS/70/100%	Commercial sale of post, poles, Christmas trees, mushrooms, etc.
Firewood or Christmas Permits	PP/80/100%	Intent is personal use.

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:

A. Rainey	
B. Valentine	
J. Turk	
R. Geber	

 Cruisers:

Method: Results:
SE%:

Method of determining ROW volume:

N/A; majority of cruise was completed in 2013; only harvest unit 362 was marked and cruised in 2015.

Basis for Percent Defect:

Seen defect and additional cull and breakage.

NET

MBF/CCF Ratio from
NCS Report CS1

Sawtimber (Product 01)

0.48102

Non-Saw (Product 08)

.58520

**If no Primary Non-Saw
Enter Secondary
Volumes Below**

Net bdfc
Net cf
Non-Saw

#VALUE!

(Product 08)

5825

(Sheet 1&2)

RT (UC5)

Rounded

0
0
150
1
5304
0
28
342
0
0

5825 CCF

ADDED

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>
017-GF	0	0	0	0	3.1275	0
019-AF	0	0	0	0	2.4735	0
073-L	6	465	0	465	3.1935	1485
093-S	0	0	0	0	2.7040	0
108-LP	7	2858	0	2858	3.0210	8634
119-WP	0	0	0	0	3.2230	0
122-PP	11	99	0	99	3.2230	319
204-DF	6	678	0	678	3.0160	2045
242-C	0	0	0	0	2.3540	0
263-H	0	0	0	0	3.2425	0
TOTAL =	7	4100	0	4100	3.0446	12483

Net MBF/CCF Ratio For
Sawtimber From NCS
Report CS1 **.48102**

TIM	Prep 105
Conversion	Factors
MBF	CCF
.15800	.32840

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>
GF	0		0	2.9470	0
AF	0		0	2.3340	0
L	150		150	3.0785	462
S	1		1	2.6330	3
LP	5304		5304	2.8532	15134
WP	0		0	3.1500	0
PP	28		28	3.1510	88
DF	342		342	2.7885	954
C	0		0	2.1400	0
H	0		0	3.0590	0
TOTAL =	5825	0	5825	2.8568	16641

17% %Dead

Net MBF/CCF Ratio For
Non-Sawtimber From NCS
Report CS1 **.58520**

TIM	Prep 105
Conversion	Factors
MBF	CCF
.20480	.35000

TOTALS =	Gross	Net	Tons
	0	9925	29124

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	9925
APPRAISAL VOLUME (CCF)	4100
CONTRACT VOLUME (TONS)	29124 (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	2.9300

LOGGING METHOD SUMMARY

Sawlog Volume

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals	
Acres	527	0	0	0	0	0	527	0	
Volume	4100	0	0	0	0	0	4100	0	CCF
AEYD	1443	0	0	0	0	0			
% Acres	100%	0%	0%	0%	0%	0%			
% Vol	100%	0%	0%	0%	0%	0%			

HARVEST METHOD SUMMARY

	ClearCut	Seed Tree	Shelter Wood	Final Seed Tree	Intermed	Final Shelter wood	Selection	Other Changes	TOTAL
Acres	181	277	0	0	69	0	0	0	527
Volume	1292	2118	0	0	690	0	0	0	4100
% Acres	34%	53%	0%	0%	13%	0%	0%	0%	
% Vol	32%	52%	0%	0%	17%	0%	0%	0%	

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.

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
1	Live and Dead Pole Pine and Other	0.158	0.3284	7	1	8.0	5.6	10.67
				0	0	0.0	0	0
				0	0	0.0	0	0
<input checked="" type="checkbox"/> #	CS Live	0.2048	0.35	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

Select Non-Sawtimber Products description from the following:

Non-Sawtimber products include (C(T)2.2): Primary product includes all trees **4.0" to 6.9"** 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 **X.X" to 6.9"** 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 **X.X" to 6.9"** DBH (less than minimum Sawtimber specifications shown in A(T)2) and containing at least 50% pulpable woodfiber

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point: **Libby, Mt, Bonners Ferry Id**

DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$44.15	
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	5,825	<i>Use LP NonSaw page for High Value Non-Saw Products of Any Species, not just Lodgepole Pine</i>
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	16,641	
Tons / CCF for nonsawtimber material	2.86	
Total Appraised Sawlog Volume (CCF)	4,100	
Total One Way Weighted Haul Miles	53	

Haul Adjustment
No Adjustment Needed if using LP Non-Saw

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF)	4,684		
Net MBF / Acre Harvested for nonsawtimber primary product	5.2	0.0	0.0
Average DBH Harvested for nonsawtimber primary product	5.6	0.0	0.0
Average Yarding Distance (Feet)	1,443	0	0
Nonsawtimber Primary Product (Tons)	13,381	0	0
Net Tons / Acre Harvested for nonsawtimber primary product	14.9	0.0	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	\$36.89
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
438086	92290	530376	444591	85785	352301
<u>4381</u>	<u>923</u>	<u>5304</u>	<u>4446</u>	<u>858</u>	<u>3523</u>
% of Tot	% of Tot				
0.8260	0.1740				
Tons/CCF	Tons/CCF				
3.0200	2.0390				
Average Tons/CCF					
<u>2.8493</u>					
Enter on Species Appraisal (Tons)					
				LPD Prim	923
				LPL Prim	3523
				LP Sec	858
				Total	5304
% LPD Prim. Post Material			10%	→	263 Tons
LPL Prim. and LP Secondary			→	12482 Tons	
Total LP Post and Pole Material			→	12745 Tons	
Entered from Appraisal CCF to Ton Worksheet					
Total Nonsaw Tons			→	16641 Tons	
Other Nonsaw Material			→	3896 Tons	

LP Non-Saw page can be used for any Species of High Value Non-Saw Products, not just Lodgepole Pine.

Nonsaw Value and Weighted Haul

Appraisal Point (P&P Material)		Libby, MT			
Species	Weighted Haul Miles		Total Haul	Qty (Tons)	Value/Ton
LPL, LPD	Gravel	Paved			
	12.5	31	43.5	12745	\$50.00
Appraisal Point		Bonners Ferry, ID			
Species	Weighted Haul Miles		Total Haul	Qty (Tons)	Value/Ton
All Other	Gravel	Paved			
	12.5	71	83.5	3896	\$25.00
Total Nonsaw (Tons)		16641			
Weighted Haul Miles		52.9			
Weighted Value/Ton		\$44.15			

RIGHTS - OF - WAY

(Include Cost share Agreements)

Road Name	Road #	Length	Type of Agreement	Agreement with (Names)
1.16				

ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

Check Box to use Small Sale RM Rates.
 Check Box to use Small Sale RM Rates plus Koocanusa Bridge

Contract Rates

	\$/CCF	\$/TON	
Total Performance Recurrent Maintenance (Part A)			
C(T)5.31 - Recurrent Maintenance	\$3.34	\$1.14	
C(T)5.312 - Reconditioning	\$0.00	\$0.00	
Total Performance (Part A)	\$3.34	\$1.14	(A)
Total Required Deposits (Recurrent and Deferred) (Part B)	\$0.00	\$0.00	Recurrent
<small>(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105)</small>	\$1.16	\$0.40	Deferred
C(T)5.32# - Total Required Deposits (Part B)	\$1.16	\$0.40	(B)
C(T)5.314 - Total Dust Abatement (Part C)	\$2.38	\$0.81	(C)
TOTAL MAINTENANCE COST (Parts A-B-C)	\$6.88	\$2.35	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	\$ \$2.81 CCF
Total Road Maintenance Costs (Performance + Deposits)	\$ \$16.65 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	527	0	0	0	0	527
Volume	4100	0	0	0	0	4100
EYD	1443	0	0	0	0	

IDENTIFY FACILITIES (ADVR102)

Attach completed "IDENTIFY FACILITIES FORM"

<O:\NFS\Kootenai\Program\2400TimberMgmt\SO\2420TimberAppraisals\TIMBER SALE REPORT>

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	0.0	\$0
Reconstruction	12.7	\$64,080
Total Cost	\$64,080	4100 CCF = \$15.63 \$ / CCF

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks \$25,936.00
 (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)	9,925	\$0.25	\$2,481.25		
Select Either (A) or (B)					% Adjustment For Partial Cut Stands
(A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. =	\$25,936.00	100%	\$25,936.00	(d)	0%
(B) Salvage Sales enter % Live Sawtimber Volume;	=	100%			
For Partial Cut Stands Use Previously Cut Worksheet.	Total:		\$28,417.25	(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	99	\$5.00	\$495.00	\$7.46	\$738.74
All other species (list)	4001	\$3.00	\$12,003.00	\$5.46	\$21,853.51
Nonsawtimber (all species)	5825	\$1.00	\$5,825.00	\$1.00	\$5,825.00
TOTALS	9925	XXXXX	\$18,323.00	XXXXX	\$28,417.25
			(b)		
Sawtimber (Appraisal) Volume	4100				
		Weighted Average Minimum Rate		\$3.05	

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF) \$10,094.25 (c)

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

Adjustment To Minimum Rate:
 \$ _____ (c) / (Total Sawtimber Volume) CCF = \$ ____/CCF \$10,094.25 4,100 \$2.46

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 = \$25,936.00
 (The only stumpage available for KV at advertised rates is when KV is protected by base rates)

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
Mountain Brome	4
Annual Rye	6

TOTAL	40
--------------	-----------

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

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

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	Horse
Acres	527	0	0	0	0	0

Seed mix, fert., labor costs:

	Lbs / Acre		\$ / Lb		\$ per Acre
Winter Wheat	18	X	\$7.90	=	\$142.20
Hard Fescue	6	X	\$7.90	=	\$47.40
Orchard Grass	6	X	\$7.90	=	\$47.40
Montain Brome	4	X	\$7.90	=	\$31.60
Annual Rye	6	X	\$7.90	=	\$47.40
Fertilizer	240	X	\$0.41	=	\$98.40
*Labor per Acre				=	\$70.00
				\$ per acre	\$484.40

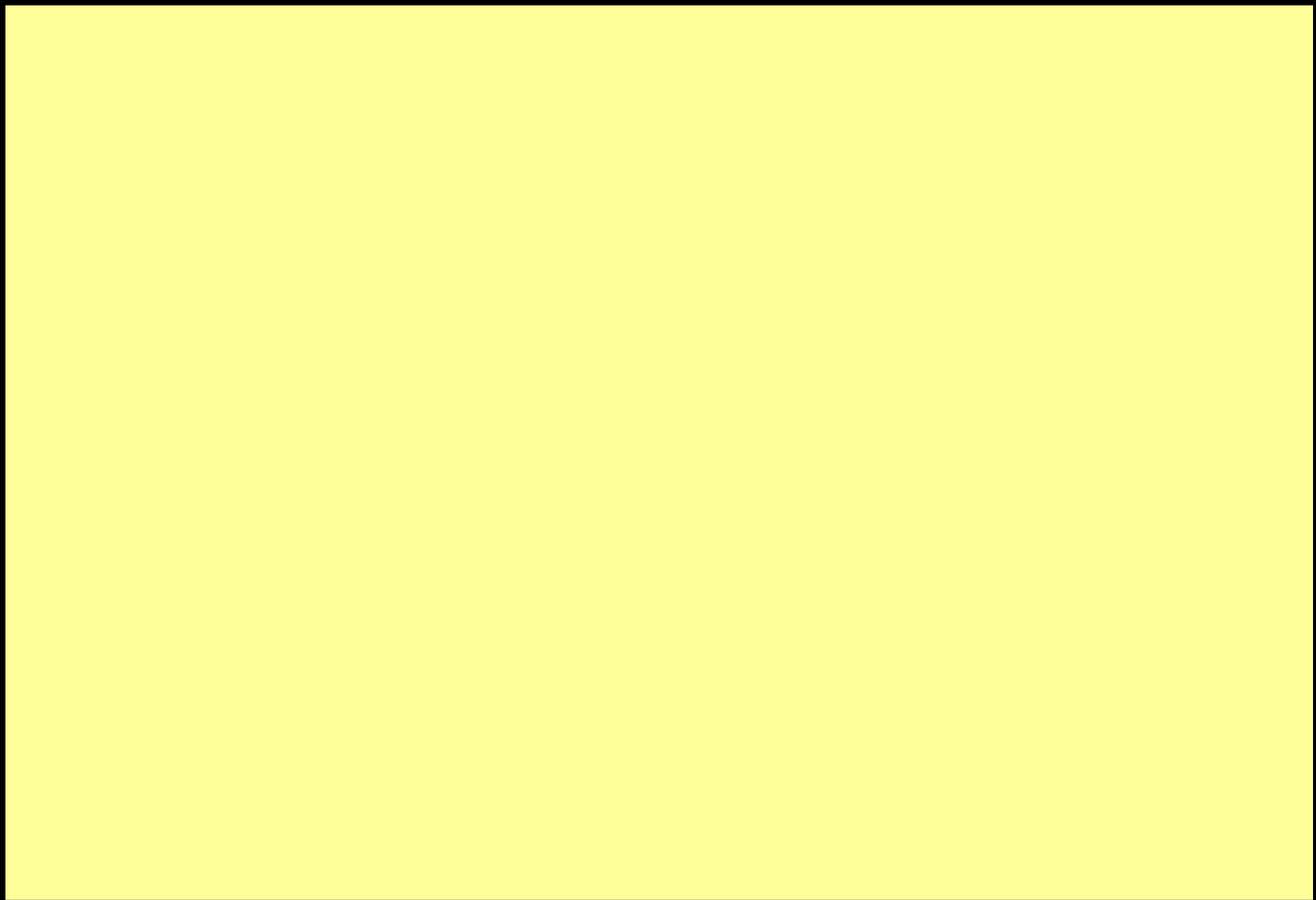
Total cost for

SEEDING	12.5	acres	X	\$316.00	\$/acre	=	\$3,950.00
FERTILIZER	12.5	acres	X	\$98.40	\$/acre	=	\$1,230.00
LABOR	12.5	acres	X	\$70.00	\$/acre	=	\$875.00
SCARIFICATION							\$0.00
TOTAL							\$6,055.00

\$6,055.00 COST / **4100** CCF = **\$1.48** 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 / **4100** 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 K-G.2.7# 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>
Aminopyralid	7	\$2.33	\$58.72 mile
		\$0.00	\$0.00 mile
		\$0.00	\$0.00 mile
		\$0.00	\$0.00 mile

Price quote for herbicide obtained from: Wilbur Ellis

<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: 11.47 miles

<u>Herbicide to be applied:</u>	<u>Miles</u>	<u>\$ UOM</u>	<u>Tot Cost</u>
Aminopyralid	11.47	\$58.72	\$673.52
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00

Sufactant & dye:	11.47	\$2.45	\$28.10
Application Cost (Labor):	11.47	\$20.00	\$229.40
Misc. Expense:	11.47	\$32.00	\$367.04

TOTAL WEED TREATMENT: \$1,298.06 cost / 4100 CCF = \$0.32 CCF

ON-SITE EQUIPMENT WASHING K-G.3.5.1#

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	4100

Total cost for washing equipment per CCF \$0.00 CCF

Subtotal Other Contractual Requirements (B) \$0.32 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
skid trail clearing for units 367, 368	1	X	\$800.00 per XXX	\$800.00
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

Cost / CCF = CCF

Subtotal Miscellaneous Contractual Requirements (C) CCF

Total Other Contractual Requirements (A+B+C)	<input type="text" value="\$0.52"/> CCF
Brush Disposal (Purchaser and FS)	<input type="text" value="\$32.72"/> CCF
Total Environmental Protection Cost	<input type="text" value="\$33.24"/> CCF

TEMPORARY ROADS

0.20 Miles

If you have more than 5 Temporary Roads, you can lump Roads together.

Temporary Road #1 Cost \$

Temporary Road #2 Cost \$

Temporary Road #3 Cost \$

Temporary Road #4 Cost \$

Temporary Road #5 Cost \$

TOTAL TEMPORARY ROAD COST =
(Total Temporary Development Costs)

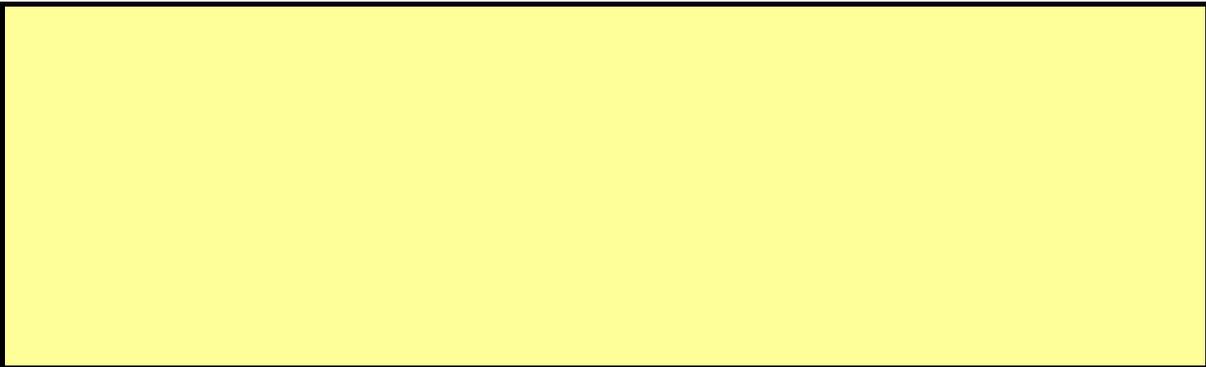
Cost \$ / CCF = CCF

Cost Guide for Temporary Roads

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

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF

UNUSUAL CONDITION ADJUSTMENTS



Cost \$ / CCF = CCF

TEMPORARY ROAD COSTS #1

Unit or Road Number: 362

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

Average Side Slope	20 %	
Length	1056 Feet	0.20 Miles
Volume per Acre	5	

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

Clearing and Grubbing (Table T-1)	=	\$3,520.00 Mile
3520		
Excavation (Table T-1)	=	\$1,620.00 Mile
1620		
Seeding (Table T-1)	=	\$730.00 Mile
		
Obliteration (Table T-1)	=	\$625.00 Mile
		

Total Unit Cost Per Mile = \$6,495.00

Basic Cost Total X Length = \$1,299.00

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) = \$1,299.00

Mobilization (Table T-4) 7% = \$91.00

Subtotal = \$1,390.00

TOTAL COST \$1,390.00 / 1.06 Profit = \$1,311.00

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)

			Units
First Period :	16-Jun	to 15-Oct	All
Second Period:			

(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: **Tentative Date. TIM will Calculate Official Date Upon Award.**

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 / 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_committee.htm
 (# men) = TOTAL LIABILITY =

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

ROUNDED TOTAL =

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 \$5.51

Conversion to Tons

	<u>Adv. Rate</u>	<u>CCF Vol</u>	<u>Tons</u>	<u>Weighted Average Bidding</u>	<u>Total Value Bidding</u>
Sawtimber	\$5.51	4100	12483	\$1.81	\$0.98
Non_Saw	\$1.00	5825	16641	\$0.35	\$0.98
Base Rate (Sawtimber)	\$5.51	4100	12483	\$1.81	\$0.98
Total Sale Value				\$28,416.00	