

2450

NORTHERN REGION - R-1

FOREST = 14 - Kootenai *

DISTRICT 05 - Libby *

Expiration Date = April 1, 2017

V16.2

TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT

Clooney Beck Stewardship

(SALE NAME)

Select Contract Type

TIM # 16507

TYPE 13 - Contract Form 2400-13

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 EIS"/>	<input type="text" value="100"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

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

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

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

Purpose (TIM -PREP101)

Activity

% of Sale Volume - CCF (TIM - PREP101)

FS - Forest Stewardship Purpose *	01 - Timber Purpose *	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>
Suitable MA (MA 6)	TC/01	All sawtimber, non-sawtimber and fuelwood sales on all contract forms including permits.
Non suitable MA's (MA's 2, 3, 5a, 5b, 5c, 7)	FS/___	All sawtimber sales, select the most appropriate activity based on documented sale purpose.

Percentage: 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.

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:	#	<input type="text" value="1605"/>	CHECK CRUISE:	
Date of Cruise		<input type="text" value="5/25/2016"/>	Date of Check:	<input type="text" value="Jun-16"/>
Cruisers:	<input type="text" value="B. Valentine"/> <input type="text" value="M. Laffon"/> <input type="text"/> <input type="text"/>		Cruisers:	<input type="text" value="Pam Cooper"/> <input type="text" value="Ira Lehman"/> <input type="text"/> <input type="text"/>
Method:	<input type="text" value="20 BAF + 1/50th Fixed"/>		Results:	<input type="text" value="Passed"/>
SE%:	<input type="text" value="15.6"/>			

Method of determining ROW volume:

Basis for Percent Defect:

APPRAISAL CCF TO TON WORKSHEET

Check Box

Check Box to use
Fire Salvage
Weights

SAWTIMBER - CCF

Species	Defect %	Net Volume	Total Additional	Total Net	Tons Per CCF	Total Tons
017-GF	0	0	0	0	3.1275	0
019-AF	0	0	0	0	2.4735	0
073-L	16	577	0	577	3.1935	1843
093-S	0	0	0	0	2.7040	0
108-LP	11	81	0	81	3.0210	245
119-WP	0	0	0	0	3.2230	0
122-PP	21	545	0	545	3.2230	1757
204-DF	16	7750	0	7750	3.0160	23374
242-C	0	0	0	0	2.3540	0
263-H	0	0	0	0	3.2425	0
TOTAL =	16	8953	0	8953	3.0402	27219

0% %Dead

Net MBF/CCF Ratio For Sawtimber From NCS Report VSM3 (CS1)	.51472
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TIM Conversion	Prep 105 Factors
MBF	CCF
.16930	.32890

NON-SAWTIMBER - CCF

Check Box

Check Box to use
Fire Salvage
Weights

Species	Net Volume	Additional Non-Saw	Total Net	Tons Per CCF	Total Tons
GF	0		0	2.9470	0
AF	0		0	2.3340	0
L	137		137	3.0785	422
S	0		0	2.6330	0
LP	108		108	3.0200	326
WP	0		0	3.1500	0
PP	85		85	3.1510	268
DF	1434		1434	2.7885	3999
C	0		0	2.3540	0
H	0		0	3.2425	0
TOTAL =	1764	0	1764	2.8430	5015

0% %Dead

Net MBF/CCF Ratio For Non-Sawtimber From NCS Report VSM3 (CS1)	.58804
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TIM Conversion	Prep 105 Factors
MBF	CCF
.20680	.35170

TOTALS =	Gross	Net	Tons
	0	10717	32234

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	10717
APPRAISAL VOLUME (CCF)	8953
CONTRACT VOLUME (TON)	32234 (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	3.0100

LOGGING METHOD SUMMARY

Sawlog Volume

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals	
Acres	610	0	0	0	0	0	610	0	
Volume	8953	0	0	0	0	0	8953	0	CCF
AEYD	939	0	0	0	0	0			
Max EYD	1300	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	0	0	34	0	576	0	0	0	610
Volume	0	0	933	0	8020	0	0	0	8953
% Acres	0%	0%	6%	0%	94%	0%	0%	0%	
% Vol	0%	0%	10%	0%	90%	0%	0%	0%	

LOGGING METHOD SUMMARY

NON-Sawlog Volume

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals	
Acres	610	0	0	0	0	0	610	0	
Volume	1764	0	0	0	0	0	1764	0	CCF
AEYD	939	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	0	0	34	0	576	0	0	0	610
Volume	0	0	146	0	1618	0	0	0	1764
% Acres	0%	0%	6%	0%	94%	0%	0%	0%	
% Vol	0%	0%	8%	0%	92%	0%	0%	0%	

<p>ASSIGN CONTRACT SPECIES TIM Gate 3 - Prep 105</p> <p style="text-align: center;">Contract Species Association</p> <p>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.</p> <p>All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species</p>	<p>UTILIZATION STANDARDS TIM Gate 4 - Contract Prep Information ADVR114</p> <p>Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.</p> <p>From the list below select the description of non-sawtimber products that reflect how the products were cruised and input in NCS.</p> <p>The description below is to be included in A(T)2 of timber sale. (Refer to non-sawtimber appraisal guide for more details & instructions).</p>
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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 type="checkbox"/>	Live and Dead Douglas Fir and Other	0.1693	0.3289	7	1	8.0	5.6	10.67
<input type="checkbox"/>				0	0	0.0	0	0
<input type="checkbox"/>				0	0	0.0	0	0
<input checked="" type="checkbox"/>	CS Live	0.2068	0.3517	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
<input type="checkbox"/>	CS Timber Subject to Agreement - Refer to C(T)2.11#			5	1	8.0	2.5	N/A
<input type="checkbox"/>	Live and Dead Timber Subject to Agreement - Refer to C(T)2.11#			7	1	8.0	5.6	10.67

Select Non-Sawtimber Products description from the following:

Non-Sawtimber products include (C(T)2.2): Primary product includes all trees **5.0" 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 in terms of gross cubic volume (C(T)6.801).

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point: **Bonnors Ferry**

"Check Box" if Non-Sawtimber is **NOT** to be included as a contractual requirement in

Check Box

K-C.2# Utilization and Removal of Included Material.

K-C.2.1.1# Optional Removal of Non-Sawtimber Products.

DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$25.00	<i>Use LP NonSaw page for High Value Non-Saw Products of Any Species, not just Lodgepole Pine</i>
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	1,764	
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	5,015	
Tons / CCF for nonsawtimber material	2.84	
Total Appraised Sawlog Volume (CCF)	8,953	Haul Adjustment No Adjustment Needed if using LP Non-Saw
Total One Way Weighted Haul Miles	81	

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF)	627		
Net MBF / Acre Harvested for nonsawtimber primary product	0.6	0.0	0.0
Average DBH Harvested for nonsawtimber primary product	6.0		
Average Yarding Distance (Feet)	939	0	0
Nonsawtimber Primary Product (Tons)	1,783	0	0
Net Tons / Acre Harvested for nonsawtimber primary product	1.7	0.0	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	-\$1.72
Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF)	\$1.72

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)			
K-F.3.1# - Recurrent Maintenance	\$1.93	\$0.64	
K-F.3.1.2# - Reconditioning			
Total Performance (Part A)	\$1.93	\$0.64	(A)
Total Required Deposits (Recurrent and Deferred) (Part B)	\$0.00	\$0.00	Recurrent
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADV105)	\$0.39	\$0.13	Deferred
K-F.3.2# - Total Required Deposits (Part B)	\$0.39	\$0.13	(B)
K-F.3.1.4# - Total Dust Abatement (Part C)	\$0.58	\$0.19	(C)
TOTAL MAINTENANCE COST (Parts A-B-C)	\$2.90	\$0.96	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	\$ 0.47	CCF
Total Road Maintenance Costs (Performance + Deposits)	\$ 3.47	CCF

*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	610	0	0	0	0	610
Volume	8953	0	0	0	0	8953
EYD	939	0	0	0	0	

ROAD CONSTRUCTION / RECONSTRUCTION

Construction or Reconstruction of roads not included on haul route are to be included as Stewardship Projects (K-G9#).

Check Box if road(s) being Constructed or Reconstructed are Specified Roads needed for harvesting Included Timber.

IDENTIFY FACILITIES (ADVR102)

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	7.5	\$40,785

Total Cost **\$40,785** / **8953** CCF = **\$4.56** \$ / CCF

BASE RATE COLLECTION FOR STEWARDSHIP SALES

(Applied to Sawtimber Only)

Normally Stewardship Sales do not have a base rate nor KV collections. But there may be instances where it would be appropriate to collect KV funds. (IE. Treatment needs that extend beyond the contract termination date(noxious weeds), that require complex oversight (prescribed fire) or for small amounts of planting.

When KV is needed on a project it is collected as a base rate, the rate is applied ONLY to the Sawtimber component.

Costs From FACTS - Sale Area Improvement and K-V Collection Plan.

Total Required Regen Costs - FACTS Line 21 Remarks = **\$14,379.00**
(Subtotal for Required Reforestation with National Program Support Cost Included)

% Adjustment For Partial Cut Stands

0%

Select Either (a) or (b)

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

\$14,379.00	100%
=	
[]	

= **\$14,379.00** Total

(B) Salvage Sales enter % Live Sawtimber Volume;

For Partial Cut Stands Use Previously Cut Worksheet.

Other K-V: From FACTS

K-V Funded Projects Costs

\$0.00
\$0.00
\$0.00
\$0.00
\$0.00

Total **\$0.00**

= **\$0.00** Total

Total amount of K-V to be Collected = **\$14,379.00** Total

Sawtimber Base Rate = **\$1.61** CCF

EROSION CONTROL

Seed mix is to be included in K-G.6.0.1# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.

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

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

Species of Seed	Pounds per Acre
Blue Wild Rye	8
Bluebunch Wheatgrass	4
Slender Wheatgrass	4
Mountain Brome	4
Annual Rye	6

TOTAL	26
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Type of Fertilizer	Pounds per Acre
25-10-10 or 27-12-12 or 34-16-10	240

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

Acres	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse
	610	0	0	0	0	0

Seed mix, fert., labor costs:

	<u>Lbs / Acre</u>		<u>\$ / Lb</u>	=	<u>\$ per Acre</u>
Blue Wild Rye	8	X	\$7.90	=	\$63.20
Bluebunch Wheatgrass	4	X	\$7.90	=	\$31.60
Slender Wheatgrass	4	X	\$7.90	=	\$31.60
Mountain Brome	4	X	\$7.90	=	\$31.60
Annual Rye	6	X	\$7.90	=	\$47.40
0	0	X		=	\$0.00
0	0	X		=	\$0.00
0	0	X		=	\$0.00
Fertilizer	240	X	\$0.41	=	\$98.40
*Labor per Acre				=	\$36.54

\$ per acre **\$340.34**

Total cost for

SEEDING	29.7	acres X	\$205.40	\$/acre =	\$6,100.38
FERTILIZER	29.7	acres X	\$98.40	\$/acre =	\$2,922.48
LABOR	29.7	acres X	\$36.54	\$/acre =	\$1,085.24
SCARIFICATION					\$0.00
TOTAL					\$10,108.10

\$10,108.10 COST / **8953** CCF = **\$1.13** PER CCF

* Engineers estimate Page 103 of the Cost Guide Item Labor Rates.

http://fsweb.r1.fs.fed.us/e/Transportation/Development/2013_Cost_Estimating_Guide_for_Road_Construction.pdf

Document Rational for Costs or Changes to Standard Seed Mix.

New seed mix approved spring 2016. Cost of \$36.54 per hour came from 2013 Cost Estimating Guide for Road Construction, General Laborer, Montana Zone 1.

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 / **8953** 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:

<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: 7.5 miles

<u>Herbicide to be applied:</u>	<u>Miles</u>	<u>\$ UOM</u>	<u>Tot Cost</u>
Aminopyralid	7.5	\$58.72	\$440.40
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00

Sufactant & dye:	7.5	\$0.68	\$5.10
Application Cost (Labor):	7.5	\$40.00	\$300.00
Misc. Expense:	7.5		\$0.00

TOTAL WEED TREATMENT: \$745.50 cost / 8953 CCF = \$0.08 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	8953

Total cost for washing equipment per CCF \$0.00 CCF

Subtotal Other Contractual Requirements (B) \$0.08 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

Stump Treatment

***C(T)6.412# Limits treatment to stumps >12". Use Report TC 56 for ~10" DBH
Cellu-Treat Wood Preservative: 1# + 2gal water will treat ~500 12" stumps. @
\$40/hr and 40 stumps/hr + \$.01/stump for Cellu-Treat = \$1.01/stump****

* # stumps X \$ per stump** =

Cost / CCF = CCF

Snow Plowing

**Grader @ \$110/hr and Operator @ \$46/hr , and includes MOB of \$750.
Production Rate: 1-2 miles/hour; .25-1 miles/hour on initial plow or with heavy snow.
Total Cost: ~ \$200/mile**

miles X \$per mile X # plowings =

Cost / CCF = CCF

Document Additional Costs for Plowing

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

ITEM	#	X	COST	=	TOT COST
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>
XXX		X	\$0.00 per XXX	=	<input type="text" value="\$0.00"/>

Stewardship Base Rate Allowance =

Cost / CCF = CCF

Subtotal Miscellaneous Contractual Requirements (C) = CCF

Total Other Contractual Requirements (A+B+C)	<input type="text" value="\$0.08"/> CCF
Brush Disposal (Purchaser and FS)	<input type="text" value="\$12.09"/> CCF
Total Environmental Protection Cost	<input type="text" value="\$12.17"/> CCF

TEMPORARY ROADS

2.79 Miles

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

Temporary Road #1
0

Cost \$
\$10,505.00

Temporary Road #2
0

Cost \$
\$0.00

Temporary Road #3
0

Cost \$
\$0.00

Temporary Road #4
0

Cost \$
\$0.00

Temporary Road #5
0

Cost \$
\$0.00

TOTAL TEMPORARY ROAD COST = \$10,505.00
(Total Temporary Development Costs)

\$10,505.00 Cost \$ / **8953** CCF = **\$1.17** CCF

Cost Guide for Temporary Roads

<http://.../2013 Cost Estimating Guide for Road Construction.pdf>

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF **\$0.41**

UNUSUAL CONDITION ADJUSTMENTS

Every temp road proposed for use under this contract is an old existing road. The most work any of these roads will need to make them usable is minor grubbing and brushing to clear existing roadbed. Cut total appraisal rate on worksheet by 50% by request of JC.

\$0.00 Cost \$ / **8953** CCF = **\$0.00** CCF

TEMPORARY ROAD COSTS #1

Unit or Road Number:

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

Average Side Slope	<input type="text" value="5"/>	%		
Length	<input type="text" value="14720"/>	Feet	<input type="text" value="2.79"/>	Miles
Volume per Acre	<input type="text" value="1000"/>			

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

Clearing and Grubbing (Table T-1)	=	<input type="text" value="\$1,715.00"/>	Mile
<input type="text" value="50% of cost -- 3430x.5"/>			
Excavation (Table T-1)	=	<input type="text" value="\$705.00"/>	Mile
<input type="text" value="50% of cost -- 1410 x.5"/>			
Seeding (Table T-1)	=	<input type="text" value="\$510.00"/>	Mile
<input type="text" value="510"/>			
Obliteration (Table T-1)	=	<input type="text" value="\$800.00"/>	Mile
<input type="text" value="800"/>			

Total Unit Cost Per Mile =

Basic Cost Total X Length =

Drainage Structures	<input type="text" value=""/>	Dips	X	<input type="text" value=""/>	=	<input type="text" value="\$0.00"/>
	<input type="text" value=""/>	18" CMP	X	<input type="text" value=""/>	=	<input type="text" value="\$0.00"/>
	<input type="text" value=""/>	other CMP	X	<input type="text" value=""/>	=	<input type="text" value="\$0.00"/>

Drainage Cost Total =

Other Requirements	<input type="text" value="###"/>	<input type="text" value="###"/>	X	<input type="text" value="\$0.00"/>	=	<input type="text" value="\$0.00"/>
	<input type="text" value="###"/>	<input type="text" value="###"/>	X	<input type="text" value="\$0.00"/>	=	<input type="text" value="\$0.00"/>
	<input type="text" value="###"/>	<input type="text" value="###"/>	X	<input type="text" value="\$0.00"/>	=	<input type="text" value="\$0.00"/>
	<input type="text" value="###"/>	<input type="text" value="###"/>	X	<input type="text" value="\$0.00"/>	=	<input type="text" value="\$0.00"/>

Other Cost Total =

Subtotal (Basic + Drainage + Other) =

Mobilization (Table T-4) =

Subtotal =

TOTAL COST / Profit =

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 :	15-Jun	to 15-Oct	
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 E.2.1.3, 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 =	<input type="text" value="10717"/>	CCF
(B)	Sale Duration =	<input type="text" value="5.1"/>	YEARS <i>(Calculated from Award Date to Termination Date)</i>
(C)	Operating Days in Sale =	<input type="text" value="612"/>	(Sale Duration X 120 days.)
(D)	CCF Per Day =	<input type="text" value="17.5"/>	(Total Volume / Operating Days in Sale)
(E)	Men Needed to Log Sale =	<input type="text" value="3.5"/>	(CCF Per Day / 5 CCF)
(F)	Liability =	<input type="text" value="\$18.00"/>	(Wage Rate AD-C) <input type="text" value="12"/> (hrs/shift) X <input type="text" value="5"/> (# shifts) X
		<input type="text" value="3.5"/> (# men) =	TOTAL LIABILITY = <input type="text" value="\$3,780"/>

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

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

ROUNDED TOTAL =

STEWARDSHIP PERFORMANCE BOND:

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

Generally, a performance bond will not be required. If a bond is required, the amount of the bond should only cover those performance items not include as mandatory or optional services.

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

Road Maintenance =	\$1.93	CCF
Erosion =	\$1.13	CCF
Brush Disposal =	\$2.70	CCF
Other =	\$0.49	CCF
Total =	\$6.25	CCF

Total Purchaser Requirements = \$6.25 X Tot Vol 8953 CCF = \$55,940 Tot Value

divided by 3 # Seasons = \$18,647 Performance Bond Value

Rounded Performance Bond Value = \$18,700 (B)

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

\$49.32

Conversion to Tons

Advertised Rate per Ton

	Adv. Rate	CCF Vol	Tons	Weighted Average Bidding	Total Value Bidding	
Sawtimber	\$49.32	8953	27219	\$16.22	\$13.75	Sawtimber
Non-Sawtimber	\$1.00	1764	5015	\$0.35	\$13.75	Non_Saw
Base Rate (Sawtimber)	\$1.61	8953	27219	\$0.53	\$0.50	Base Rate (Saw and Nonsaw)

Total Sale Value

\$443,325.96