

2450

NORTHERN REGION - R-1

FOREST = 14 - Kootenai *

DISTRICT 03 - Fortine *

Expiration Date = April 1, 2017

V16.1

TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT

Sunday Salvage
(SALE NAME)

Select Contract Type

TIM # 16305

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="Northend Fire Salvage CE"/>	<input type="text" value="100"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

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

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

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

Purpose (TIM -PREP101)

Activity

% of Sale Volume - CCF (TIM - PREP101)

TC - Timber Commodity Purpose *	01 - Timber Purpose *	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 *

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="1/26/2016"/>	Date of Check:	<input type="text"/>
Cruisers:	<input type="text" value="Ira Lehman"/> <input type="text"/> <input type="text"/> <input type="text"/>		Cruisers:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Method:	<input type="text" value="PNT"/>		Results:	<input type="text"/>
SE%:	<input type="text" value="33.36"/>			

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	2.3275	0
019-AF	17	94	0	94	2.0390	192
073-L	10	180	0	180	2.3730	427
093-S	28	50	0	50	2.2835	114
108-LP	0	0	0	0	2.0390	0
119-WP	0	0	0	0	2.0390	0
122-PP	0	0	0	0	2.2835	0
204-DF	10	782	0	782	2.3730	1856
242-C	9	19	0	19	1.8700	36
263-H	0	0	0	0	2.3730	0
TOTAL =	11	1125	0	1125	2.3333	2625

Net MBF/CCF Ratio For Sawtimber From NCS Report VSM3 (CS1)		.51405
TIM Conversion	Prep 105 Factors	
MBF	CCF	
.22030	.42860	

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	0		0	3.0785	0
S	0		0	2.6330	0
LP	0		0	3.0200	0
WP	0		0	3.1500	0
PP	0		0	3.1510	0
DF	0		0	2.7885	0
C	0		0	2.3540	0
H	0		0	3.2425	0
TOTAL =	0	0	0		0

0% %Dead

Net MBF/CCF Ratio For Non-Sawtimber From NCS Report VSM3 (CS1)		.00000
TIM Conversion	Prep 105 Factors	
MBF	CCF	
.00000	.00000	

TOTALS =	Gross	Net	Tons
	0	1125	2625

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	1125
APPRAISAL VOLUME (CCF)	1125
CONTRACT VOLUME (TONS)	2625 (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	2.3300

ASSIGN CONTRACT SPECIES

TIM Gate 3 - Prep 105

Contract Species Association

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

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

UTILIZATION STANDARDS

TIM Gate 4 - Contract Prep Information ADVR114

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

Contract Species (Major Species Group)	Full Name for Contract	Conversion Factors (only applicable to weight scale sales) (Enter from Species Volume Summary)		Minimum Specifications				
		MBF	CCF	DBH	Number of Pieces	Length	DIB	Merch. Factor
		<input checked="" type="checkbox"/>	Live and Dead fir and Combined s	0.2203	0.4286	7	1	8.0
<input type="checkbox"/>				0	0	0.0	0	0
<input type="checkbox"/>				0	0	0.0	0	0
<input type="checkbox"/>	CS	0	0	4	1	8.0	2.5	N/A
<input type="checkbox"/>	C14 Cedar Products - Net Merch. Factor - Refer to C(T)6.804#			0	0	0.0	0	0

NON-SAWTIMBER is not included in this sale

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point:

DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)		
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	0	<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)	0	
Tons / CCF for nonsawtimber material	0.00	
Total Appraised Sawlog Volume (CCF)	1,125	
Total One Way Weighted Haul Miles	47	

Haul Adjustment
No Adjustment Needed if using LP Non-Saw

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF) (NCS R103)			
Net MBF / Acre Harvested for nonsawtimber primary product	0.0	0.0	0.0
Average DBH Harvested for nonsawtimber primary product (NCS R103)	0.0	0.0	0.0
Average Yarding Distance (Feet)	918	0	0
Nonsawtimber Primary Product (Tons)	0	0	0
Net Tons / Acre Harvested for nonsawtimber primary product	0.0	0.0	0.0

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

Non-Sawtimber is not included in this sale.

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)

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

Contract Rates

	\$/CCF	\$/TON	
Total Performance Recurrent Maintenance (Part A)			
C(T)5.31 - Recurrent Maintenance	\$0.00	\$0.00	
C(T)5.312 - Reconditioning	\$0.00	\$0.00	
Total Performance (Part A)	\$0.00	\$0.00	(A)
Total Required Deposits (Recurrent and Deferred) (Part B)	\$1.34	\$0.57	Recurrent
<small>(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105)</small>	\$0.65	\$0.28	Deferred
C(T)5.32# - Total Required Deposits (Part B)	\$1.99	\$0.85	(B)
 C(T)5.314 - Total Dust Abatement (Part C)	 \$7.44	 \$3.19	 (C)
 TOTAL MAINTENANCE COST (Parts A-B-C)	 \$9.43	 \$4.04	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	\$ \$1.99 CCF
Total Road Maintenance Costs (Performance + Deposits)	\$ \$9.43 CCF

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

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks **\$3,314.00**
 OR from BDKV Worksheet as Draft Activity Value (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) **1,125** \$0.25 \$281.25 **% Adjustment For Partial Cut Stands**
 Select Either (A) or (B) **0%**
 (A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. = **\$3,314.00** 100% \$2,783.76 (d)
 (B) Salvage Sales enter % Live Sawtimber Volume; = **84%**
 For Partial Cut Stands Use Previously Cut Worksheet. **Total:** **\$3,065.01** (a)

<u>Species Groups</u>	<u>Volume (CCF)</u>	<u>Minimum Rates 1/</u>		<u>Base Rates 2/</u>	
		<u>Per CCF</u>	<u>Total</u>	<u>Per CCF</u>	<u>Total</u>
WP, PP, C	19	\$5.00	\$95.00	\$5.00	\$95.00
All other species (list)	1106	\$3.00	\$3,318.00	\$3.00	\$3,318.00
Nonsawtimber (all species)	0	\$1.00	\$0.00	0	\$0.00
TOTALS	1125	XXXXX	\$3,413.00	XXXXX	\$3,413.00
Sawtimber (Appraisal) Volume	1125		(b)		
Weighted Average Minimum Rate				\$3.03	

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF) **-\$347.99** (c)

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

Adjustment To Minimum Rate:
 \$ _____ (c) / (Total Sawtimber Volume) CCF = \$ ____/CCF **0** **1,125** **\$0.00**

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 = **\$2,783.76**
 (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
-----------------	-----------------

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
-------	-----

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	50	0	0	0	0	0

Seed mix, fert., labor costs:

	Lbs / Acre		\$ / Lb	=	\$ per Acre
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
Fertilizer	240	X	\$0.41	=	\$98.40
*Labor per Acre				=	\$70.00

\$ per acre **\$373.80**

Total cost for

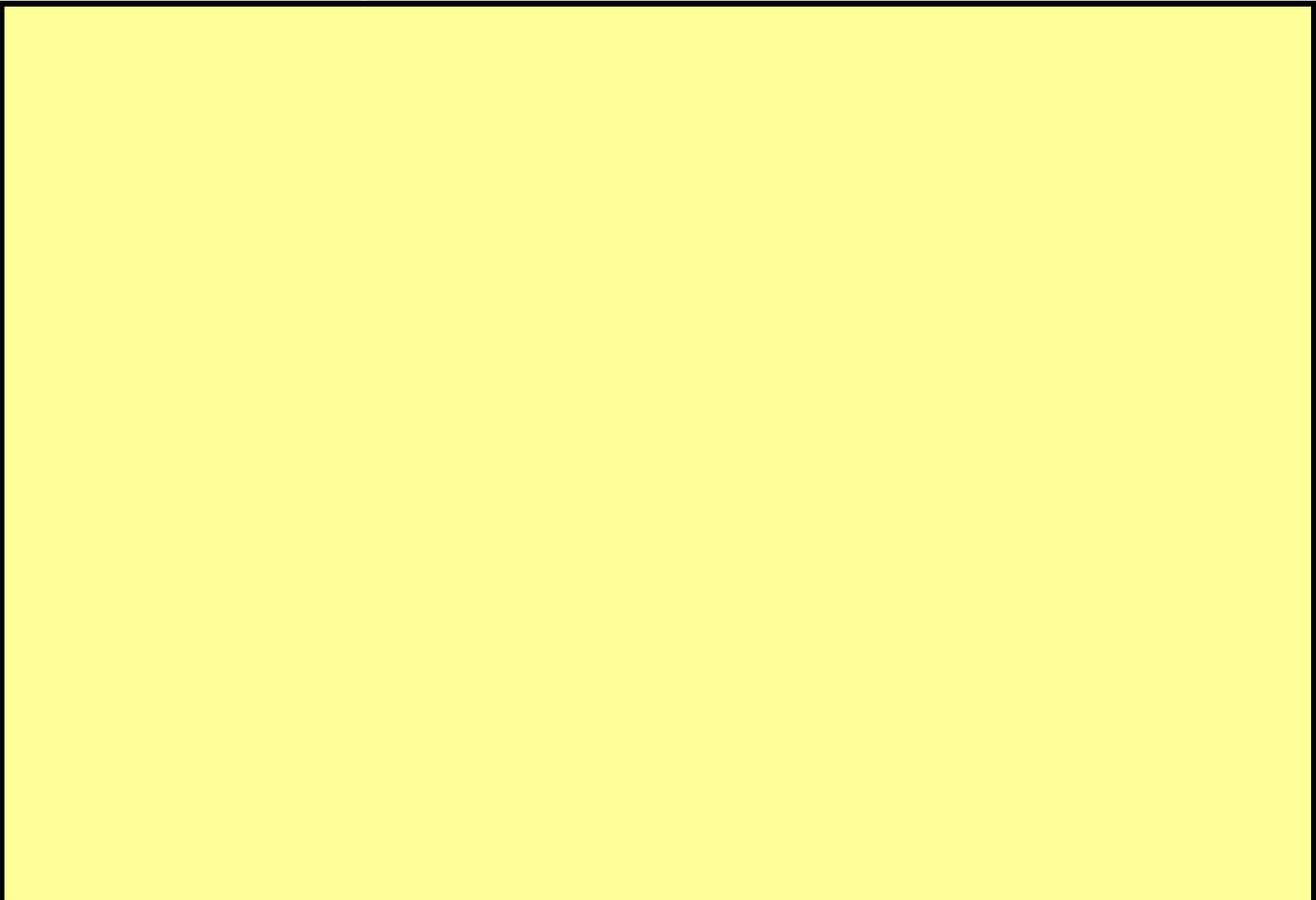
SEEDING	2.7	acres X	\$205.40	\$/acre =	\$554.58
FERTILIZER	2.7	acres X	\$98.40	\$/acre =	\$265.68
LABOR	2.7	acres X	\$70.00	\$/acre =	\$189.00
SCARIFICATION					\$0.00
TOTAL					\$1,009.26

\$1,009.26 COST / **1125** CCF = **\$0.90** 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 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 / **1125** 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>
		\$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: 0 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:	0		\$0.00
Application Cost (Labor):	0		\$0.00
Misc. Expense:	0		\$0.00
TOTAL WEED TREATMENT:	\$0.00 cost /	1125 CCF	= \$0.00 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	1125

Total cost for washing equipment per CCF \$0.00 CCF

Subtotal Other Contractual Requirements (B) \$0.00 CCF

$$\boxed{\$0.00} \text{ Cost} / \boxed{1125} \text{ CCF} = \boxed{\$0.00} \text{ CCF}$$

Subtotal Miscellaneous Contractual Requirements (C) = $\boxed{\$0.00} \text{ CCF}$

Total Other Contractual Requirements (A+B+C)	$\boxed{\$0.00} \text{ CCF}$
Brush Disposal (Purchaser and FS)	$\boxed{\$13.75} \text{ CCF}$
<u>Total Environmental Protection Cost</u>	$\boxed{\$13.75} \text{ CCF}$

TEMPORARY ROADS

0.00 Miles

If you have more Temporary Road lump Roads to

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://fsweb.r1.fs.fed.us/e/Transportation/Development/2013_Cost_Estimating_Guide_for_Road_Constru

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF

UNUSUAL CONDITION ADJUSTMENTS

((Majority Species in mbf x Appraisal cost allowance) / total volume in ccf)+ \$3.00 loss in chip value+ processing cost adjustment. (391mbf x 34.78)/1125= 12.08+3.00+27.31= 42.39x1125= 47688.75

Cost \$ / CCF = CCF

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season
(ADVR114, Page 1)

			Units
First Period :	1-Jun	to 1-Oct	1
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

*** THE DURATION OF THIS CONTRACT IS LESS THAN 1 YEAR. NO PERIODIC PAYMENT REQUIRED.**

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

Approximate Payment Date: **NO PAYMENT NEEDED**

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 =	<input type="text" value="1125"/>	CCF	
(B)	Sale Duration =	<input type="text" value="0.4"/>	YEARS	<i>(Calculated from Award Date to Termination Date)</i>
(C)	Operating Days in Sale =	<input type="text" value="48"/>		<i>(Sale Duration X 120 days.)</i>
(D)	CCF Per Day =	<input type="text" value="23.4"/>		<i>(Total Volume / Operating Days in Sale)</i>
(E)	Men Needed to Log Sale =	<input type="text" value="4.7"/>		<i>(CCF Per Day / 5 CCF)</i>
(F)	Liability =	<input type="text" value="\$17.80"/>	<i>(Wage Rate AD-C)</i>	<input type="text" value="12"/> (hrs/shift) X <input type="text" value="5"/> (# shifts) X
		<input type="text" value="4.7"/>	<i>(# men)</i>	= TOTAL LIABILITY = <input type="text" value="\$5,020"/>

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 =

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

\$3.00

Conversion to Tons

Advertised Rate per Ton

	<u>Adv. Rate</u>	<u>CCF Vol</u>	<u>Tons</u>	<u>Weighted Average Bidding</u>	<u>Total Value</u>
Sawtimber	\$3.00	1125	2625	\$1.29	\$1.29
Non-Sawtimber	\$0.00	0	0	\$0.00	\$1.29
Base Rate (Sawtimber)	\$3.03	1125	2625	\$1.30	\$1.30

Total Sale Value

\$3,375.00