2450
NORTHERN REGION - R-1
FOREST = 14 - Kootenai * **DISTRICT 04 - Three Rivers** *
Expiration Date = April 1, 2015
V14.1

TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT

Rock Out
(SALE NAME)

Select Contract Type

TIM # 14406

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): 053 - Lincoln *

Sale Area Legal Description (short T & R): T35N, R33W, PMM

Sale Area Legal Description (long):

Portions of Sections 18 and 19, T35N, R33W, Lincoln County, State of Montana, PMM

The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.

Compartment (s): 6

Environmental Documentation:

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

NEPA Document Name	Percentage of Sale Volume (CCF)
Buckhorn EIS	100

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

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

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

Management Areas	Sale Purpose Code	Type of sale
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.

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.

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

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. 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 assitance with SSF collections

https://fs.usda.gov/FSI_Directives/wo_2409.19_70.doc

SSF Silviculture Treatment Type (Pick one)

Salvage Component with Sanitation, Stand Improvement, or Regeneration (Use for all other sales - stand(s) that include a salvage component) *

SSF Volume (CCF): **165** **24%** **% of total volume**

FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

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

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

CRUISE INFORMATION

CRUISE:	# 14406	CHECK CRUISE:	
Date of Cruise	8/1/2014	Date of Check:	N/A
Cruisers:	Laffoon	Cruisers:	
Method:	ST, FP nonsaw	Results:	
SE%:	11.08		

Method of determining ROW volume:

Basis for Percent Defect:

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

Unit #	Acres	Sawtimber	CCF	Non-Saw	CCF
ROW units need to be entered last					
8	23	40095	401	28753	288

NET MBF/CCF Ratio from NCS Report CS1

Sawtimber (Product 01): 0.50415

Non-Saw (Product 08): .55890

If no Primary Non-Saw Enter Secondary Volumes Below

Net bdft

Net cf

Non-Saw (Product 08)

		Sawtimber		Non-Saw	
		40095		28753	
TOTAL SALE UNIT VOLUME (CCF)		401	401	288	288
		(Sheet 1)	(Sheet 1&2)	(Sheet 1)	(Sheet 1&2)

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

Species	Saw	Rounded	%Defect	Av. DBH	Logs/Unit	NCS REPORT (UC5) Non-Saw	Rounded
AF	356	4	12	8.4	29.4	108	1
C	1468	15	31	8.3	28.5	3085	31
DF	3988	40	16	10	20.3	1662	17
GF	142	1	13	10	18.2	18	0
H	704	7	34	9.7	17.6	1441	14
L	24366	243	19	9.1	26.1	16623	167
LP	5368	54	21	9.6	19.5	2120	21
PP		0					0
S	3633	36	12	9.1	22.3	3665	37
WP	70	1	23	8.3	31	33	0
	40095					28755	
TOTAL VOLUME		401	CCF				288 CCF

ROUNDED VOLUME IS THE DIFERENCE BETWEEN UNIT VOLUME AND SPECIES VOLUME (AFTER ROUNDING TO CCF) ADDED TO THE SPECIES WITH THE LARGEST VOLUME

CUTTING UNIT DESCRIPTION (TIM GATE 3 - PREP 104)									VOLUME - DIRECT ENTRY (TIM GATE 3 - PREP 103)					
		Cruise	Appraisal	ROW	Logging	Harvest	Land Suit		Unit Volume CCF		Yield Component		Unit TONS	
Unit #	P.U.#	Unit Acres	Unit Acres	Acres	Method	Method	Class	MA	Sawtimber	Non-Saw	CL	NL	Saw	Non Saw
ROW units need to be entered last							Enter KNF MAs Here							
8	8	23	23		420	193	500	11	401	288	689		1231	822
Totals Sheet 1		23	23	0					401	288	689	0	1231	822

Total Sale Area: **23** Sale Area Acres

Total Cutting Area: **23** Acres (Sheet 1)

Total Sawtimber (Sheet 1) **401** **CCF**

Total Saw + Non-Saw (Sheet 1) **689** **CCF**

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

Species	Defect %	Net Volume	Total Additional	Total Net	Tons Per CCF	Total Tons
AF	12	4	0	4	2.4735	10
C	31	15	0	15	2.3540	35
DF	16	40	0	40	3.0160	121
GF	13	1	0	1	3.1275	3
H	34	7	0	7	3.2425	23
L	19	243	0	243	3.1935	776
LP	21	54	0	54	3.0210	163
PP	0	0	0	0	3.2230	0
S	12	36	0	36	2.7040	97
WP	23	1	0	1	3.2230	3
TOTAL =	**19**	**401**	**0**	**401**	**3.0698**	**1231**

Net MBF/CCF Ratio For Sawtimber From NCS Report CS1: **.50415**

	TIM Conversion	Prep 105 Factors
	MBF	CCF
=	.16430	.32580

NON-SAWTIMBER - CCF

Species		Net Volume	Additional Non-Saw	Total Net	Tons Per CCF	Total Tons
AF		1		1	2.3340	2
C		31		31	2.1400	66
DF		17		17	2.7885	47
GF		0		0	2.9470	0
H		14		14	3.0590	43
L		167		167	3.0785	514
LP	52% %Dead	21		21	2.5099	53
PP		0		0	3.1510	0
S		37		37	2.6330	97
WP		0		0	3.1500	0
TOTAL =		**288**	**0**	**288**	**2.8542**	**822**

Net MBF/CCF Ratio For Non-Sawtimber From NCS Report CS1: **.55890**

	TIM Conversion	Prep 105 Factors
	MBF	CCF
=	.19580	.35040

	Gross	Net	Tons
TOTALS =	**0**	**689**	**2053**

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	**689**
APPRAISAL VOLUME (CCF)	**401**
CONTRACT VOLUME (TONS)	**2053** (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	**2.9800**

LOGGING METHOD SUMMARY

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals
Acres	23	0	0	0	0	0	**23**	0
Volume	401	0	0	0	0	0	**401**	0
AEYD	1515	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	TOTAL
Acres	0	0	0	0	0	0	0	**0**
Volume	0	0	0	0	0	0	0	**0**
% Acres	0%	0%	0%	0%	0%	0%	0%	
% Vol	0%	0%	0%	0%	0%	0%	0%	

CCF

CCF

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) MBF	CCF	Minimum Specifications DBH	Number of Pieces	Length	DIB	Merch. Factor
X	Live and Dead	n Larch and Other S	0.1643	0.3258	7	1	8.0	5.6	10.67
					0	0	0.0	0	0
					0	0	0.0	0	0
✓	CS	Live and Dead	0.1958	0.3504	4	1	8.0	2.5	N/A
	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:

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

in terms of gross cubic volume (C(T)6.801).

AVERAGE EXTERNAL YARDING DISTANCE

Unit #	Volume CCF	AEYD Feet		% Slope
8	401	1500	To Calculate % Slope	11%
			Top Elevation	
			3000	
			Bottom Elevation	
			2840	
			EYD Distance (ft)	
			1500	
			% Slope =	
			11%	

Tractor			Forwarder			Helicopter			Ground Lead		
420	401	VOL	492	0	VOL	480	0	VOL	450	0	VOL
	1515	AVE EYD		0	AVE EYD		0	AVE EYD		0	AVE EYD

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

AVERAGE EXTERNAL YARDING DISTANCE

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

HAUL

Appraisal Point: Moyie Springs **State** Idaho

Total Sawtimber Tributary Volume: 401

(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 Paved	Segment Miles Unpaved	Sawtimber Trib Vol	WTD MILES
Yaak	8															18		401	18.00
US 2	8															15		401	15.00

WTD Total Paved Miles (Sheet 1) **33.0**

WTD Total Unpaved Miles (Sheet 1) **0.0**

WDT Total Miles (Sheet 1) **33.0**

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point: Bonners Ferry, ID

DATA INPUT

Delivered Log Price ($/Ton, Nonsawtimber material)	$28.00		
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	288		
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	822		
Tons / CCF for nonsawtimber material	2.85	**0.00**	Adjustment
Total Appraised Sawlog Volume (CCF)	401		
Total One Way Weighted Haul Miles	41	**8**	Adjustment

Logging System	**All Ground Based**	**All Cable**	**Forwarder**
Nonsawtimber Primary Product (CCF)	167		
Net MBF / Acre Harvested for nonsawtimber primary product	4.1	0.0	0.0
Average DBH Harvested for nonsawtimber primary product	5.6	0.0	*0.0*
Average Yarding Distance (Feet)	1,515	0	0
Nonsawtimber Primary Product (Tons)	477	0	0
Net Tons / Acre Harvested for nonsawtimber primary product	11.6	0.0	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value ($/CCF) A positive number is a negative value.	-$0.52
Final Nonsawtimber Adjustment to enter into TE appraisal program ($/CCF)	$0.52

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 Koocanusa 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)	$0.00	$0.00	**Recurrent**
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105	$0.00	$0.00	**Deferred**
C(T)5.32# - Total Required Deposits (Part B)	**$0.00**	**$0.00**	**(B)**
C(T)5.314 - Total Dust Abatement (Part C)	$0.00	$0.00	**(C)**
TOTAL MAINTENANCE COST (Parts A-B-C)	**$0.00**	**$0.00**	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	**$**	$0.00	**CCF**
Total Road Maintenance Costs (Performance + Deposits)	**$**	$0.00	**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	23	0	0	0	0	**23**
Volume	401	0	0	0	0	**401**
EYD	1515	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.

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks **$14,243.00**
(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)	**689**	$0.25	$172.25		
Select Either (a) or (b)					% Sawtimber
(A) Green Sale - Required Regen Cost $ 100% Sawtimber Vol. =	$14,243.00	100%	$14,243.00	**(d)**	58%
(B) Salvage Sales enter % Live Sawtimber Volume; Partial Cut	=				
Stands enter % Volume remaining.	**Total**:		$14,415.25	**(a)**	

Species Groups	**Volume (CCF)**	**Minimum Rates 1/ Per CCF**	**Minimum Rates 1/ Total**	**Base Rates 2/ Per CCF**	**Base Rates 2/ Total**
WP, PP, C	16	$5.00	$80.00	$37.15	$594.40
All other species (list)	385	$3.00	$1,155.00	$35.15	$13,532.85
Nonsawtimber (all species)	288	$1.00	$288.00	$1.00	$288.00
TOTALS	**689**	**XXXXX**	**$1,523.00**	**XXXXX**	**$14,415.25**
			(b)		
Sawtimber (Appraisal) Volume	**401**				
	Weighted Average Minimum Rate			**$3.08**	

(a) - (b) = (c) amount need in addition to base rates (plus $.25/CCF) **$12,892.25** **(c)**

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

Adjustment To Minimum Rate:
$_____ (c) / (Total Sawtimber Volume) CCF = $___/CCF **$12,892.25** **401** **$32.15**

1/ Minimum rates: FSH 2409.22, Chp 80, Sect. 81
(Base rates for Sawtimber can be weighted if appraising and advertising as a single species group (DF,O))

2/ Minimum rate + adjustment = Base Rate

FACTS INFORMATION
(Enter Sale Information - SAIP100)

Amount of Stumpage Availiable for Protected KV at Base Rates = **$14,243.00**
(The only stumpage availiable for KV at advertised rates is when KV is protected by base rates)

BRUSH DISPOSAL

From FACTS - Detailed Listing of BD and Purchaser Slash Treatment Activities

Appraisal Rates for 2400-17 (Applied to Sawtimber only)

Forest Service Rate (Fund Code BDBD)	**$6,091.00**	Total $	(a)	**$15.19**	CCF
Purchaser Rate (Fund Code PPPP)	**$6,385.00**	Total$	(b)	**$15.92**	CCF
		TOTAL: (a) + (b) =		**$31.11**	CCF

Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD)	**$8.84**	CCF
(Rate Per CCF Converted to Tons for Weight Scale Contracts)	**$2.97**	TON

Lump Sum BD Deposits for Weight Scaled Sales

Cutting Unit Number	Required Deposits
8	$6,091.00

Total Cost **$6,091.00**
(Sheet 1)

EROSION CONTROL

Seed mix is to be included in C(T)6.601# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.
Make sure that the seed mix and fertilizer are the same in both Contract and Road Package.

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

Species of Seed	Pounds per Acre
Winter Wheat	18
Hard Fescue	6
Orchard Grass	6
TOTAL	30

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

0.5 acres @ $100.00 per acre = **$50.00**

Seed and Fertilizer

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

Temporary Roads _____ feet = **0.0** **acres**
Firelines _____ feet = **0.0** **acres**

Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer. 23 acres X 5 % = **1.2** **acres**

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer. _____ acres X _____ % = **0.0** **acres**

Landings

Number of landings 1 X 0.25 acres per landing = **0.3** **acres**

TOTAL **1.5** **acres**

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarde	Horse
Acres	23	0	0	0	0	0

Seed mix, fert., labor costs:

	Lbs / Acre		$ / Lb		$ per Acre
Winter Wheat	18	X	$0.79	=	**$14.22**
Hard Fescue	6	X	$3.19	=	**$19.14**
Orchard Grass	6	X	$1.69	=	**$10.14**
0	0	X		=	**$0.00**
0	0	X		=	**$0.00**
Fertilizer	240	X	$0.20	=	**$48.00**
*Labor per Acre				=	**$100.00**
				$ per acre	**$191.50**

Total cost for

SEEDING	**1.5**	acres	X	**$43.50**	$/acre	=	**$65.25**
FERTILIZER	**1.5**	acres	X	**$48.00**	$/acre	=	**$72.00**
LABOR	**1.5**	acres	X	**$100.00**	$/acre	=	**$150.00**
SCARIFICATION							**$50.00**
					TOTAL		**$337.25**

$337.25 COST / 401 CCF = $0.84 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

$0.00 Cost / 401 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 C(T)6.27# under Technical Spraying Specifications.

Herbicide (Common name)	Application Rate oz per acre	Cost Per oz	Cost per UOM	
		$0.00	$0.00	mile
		$0.00	$0.00	mile
		$0.00	$0.00	mile
		$0.00	$0.00	mile

Price qoute for herbicide obtained from:

Sufactant & Dye
.32 oz/gal H2O **$0.68/acre = $2.45/ mile**

Labor Rate **$40/ hour (2 Miles per hour)**

Miles of road to be sprayed: **0** miles

Herbicide to be applied:	Miles	$ UOM	Tot Cost
		$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. Expensense:	0		$0.00

TOTAL WEED TREATMENT: **$0.00** **cost** / **401** **CCF** = **$0.00** **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)		Number of seasons	
Cleaning costs per piece	$0.00	CCF	401

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

Subtotal Other Contractual Requirements (B) **$0.00** **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 /	401	CCF	=	$0.00	CCF

Snow Plowing

	# miles X		per mile X		# plowings	=	$0.00
$0.00	Cost /	401	CCF	=	$0.00	CCF

Miscellaneous: (Helicopter Landing Construction, Traffic Control 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

$0.00	Cost /	401	CCF	=	$0.00	CCF

Subtotal Miscellaneous Contractual Requirements (C) $0.00 CCF

Total Other Contractual Requirements (A+B+C)	$0.00	CCF
Brush Disposal (Purchaser and FS)	$31.11	CCF
Total Environmental Protection Cost	$31.11	CCF

TEMPORARY ROADS

0.00 Miles

Temporary Road #1	0	Cost $	$0.00
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 = **$0.00**
(Total Temporary Development Costs)

$0.00 Cost $ / 401 CCF = $0.00 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 **$0.00**

UNUSUAL CONDITION ADJUSTMENTS

Cost $ / 401 CCF = $0.00 CCF

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season
ADVR114, Page 1

				Units
First Period :	16-Jun	to	30-Sep	8
Second Period:		to		

(Note: If sale has more than one NOS - List dates and units for each N
in A16 or AT13 of Timber Sale Contract)

Periodic Payment Schedule

Approximate Award Date: 05/27/15 mm/dd/yy

(And Road Completion Date if roads are included.)
Road Completion Date: N/A mm/dd/yy
(ENTER N/A if no roads)

Contract Termination Date: 10/31/16 mm/dd/yy

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

Approximate Payment Date: **02/12/16**

Include the following statement in the Prospectus for sales without a road completion date.

As per B(T) 4.213, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / w
AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

(A)	Total Volume =	689	CCF
(B)	Sale Duration =	1.4	YEARS (Calculated from Award Date to Termination Date)
(C)	Operating Days in Sale =	168	(Sale Duration X 120 days.)
(D)	CCF Per Day =	4.1	(Total Volume / Operating Days in Sale)
(E)	Men Needed to Log Sale =	0.8	(CCF Per Day / 5 CCF)

(F) Liability = $17.60 (Wage Rate AD-C 12 (hrs/shift) X 5 (# shifts) X
http://www.fs.fed.us/r1/fire/nrcg/Committees/business_commit
0.8 (# men) = TOTAL LIABILITY = $845

Round up to nearest $50.00 up to $200.00, then round up to nearest $100.00
ROUNDED TOTAL = $900

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

MINIMUM PERFORMANCE BOND:

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

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

(A) Advertised Value $15,887 X 10% = $1,589

Rounded 10% Advertised Value = **$2,000** **(A)**

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

Road Maintenance =	$0.00	CCF
Erosion =	$0.84	CCF
Brush Disposal =	$15.92	CCF
Other =	$0.00	CCF
Total =	$16.76	CCF

Total Purchaser Requirements = $16.76 X Tot Vol 401 CCF = $6,721 Tot Value

divided by 2 # Seasons = $3,361 Performance Bond Value

Rounded Performance Bond Value = **$4,000** **(B)**

MINIMUM PERFORMANCE BOND **$4,000**

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 $38.90

Conversion to Tons

	Adv. Rate	CCF Vol	Tons	Advertised Rate per Ton
Sawtimber	$38.90	401	1231	**$12.67**
Non_Saw	$1.00	288	822	**$0.35**
Base Rate (Sawtimber)	$35.23	401	1231	**$11.48**

Total Advertsed Value **$15,886.90**

Sale Name: Rock Out

District: 04 - Three Rivers

Appraisal Point: Moyie Springs

									Tons/CCF
Total Sawtimber Volume:		401	CCF	202	MBF	1231	TONS	3.07
Total Non-Sawtimber Volume:		288	CCF	161	MBF	822	TONS	2.85
	Totals:	**689**	CCF	**363**	MBF	**2053**	TONS	2.98

Anticipated Haul Period **9/1/2012** (Start Date) Through **10/31/2016** (Termination Date)

Sale Date **5/27/2015**

Unit #		Total Saw & Non-Saw 100%	75%	50%	25%	Unit #	Total Saw & Non-Saw 100%	75%	50%	25%
8	--------	**689**	516.75	344.5	172.25					

SALABILITY REPORT
Based on Delivered Log Price

Stump to Loaded Truck Costs	CCFs	Avg DBH	Correction Factor	Corrected $ / CCF	
Ground Based	401.0	9.2	1.00	**$74.51**	**$ / CCF**
Ground Lead	0.0	0.0	1.00	**$0.00**	**$ / CCF**
Skyline	0.0	0.0	1.00	**$0.00**	**$ / CCF**
Helicopter	0.0	0.0	1.00	**$0.00**	**$ / CCF**
Total	401.0				

Haul	1.00	**$23.57**	**$ / CCF**

Purchaser's Cost & Deposits		
Non-Sawtimber Adjustment ($ / CCF)	$0.52	**$ / CCF**
Road Maintenance Costs ($ / CCF)	$0.00	**$ / CCF**
Environmental Protection Costs ($ / CCF)	$31.95	**$ / CCF**
Temporary Road Costs ($ / CCF)	$0.00	**$ / CCF**
Specified Road Costs ($ / CCF)	$0.00	**$ / CCF**
Unusual Condition Adjustment ($ / CCF)	$0.00	**$ / CCF**
TOTAL	**$32.47**	**$ / CCF**

Delivered Log Price $/MBF	PP	WF/HF	DF/L	WW	S	IRC
		350	350	350	350	600

Stump to Mill Costs ($ / CCF)	**$130.54**
Minimum Rate ($ / CCF)	**$3.08**
Adjustment to Minimum Rate to cover Required Regen Costs ($ / CCF)	**$32.15**
Base Rates ($ / CCF)	**$35.23**
Appraised Rate ($ / CCF)	**$50.62**
Amount Deficit ($ / CCF)	**$0.00**
WTD. Average Delivered Log Price ($ / MBF)	**$359.35**
Required Delivered Log Price to Break Even ($ / MBF)	**$328.82**

STEWARDSHIP CONTRACTS

	(%)
Value Adjustment (Maximum Adjustment 75%)	

Total Base Value Available for Stewy Projects **$0**

(If Applicable Total Value Available Includes Allowance for Required Regeneration Costs)

If FACTS information is available then use FACTS COSTS here and on BD and REGEN Base Rate pages.

BRUSH DISPOSAL

Purchaser

Inflation calculation 2

FACTS ID	Description	Local Qualifier	UOM	Cost/Unit	# Units	Comments	Inflatio	Total Activity $
1140	Fireline Const		Mile				N/A	
			Mile				N/A	
			Mile				N/A	
			Mile				N/A	
			Mile				N/A	
			Mile				N/A	
1153	Piling Fuels		Acre				N/A	
			Acre				N/A	
			Acre				N/A	
			Acre				N/A	
			Acre				N/A	
			Acre				N/A	
			Each				N/A	
			Mile				N/A	
1154	Chipping of Fuels		Acre				N/A	
			Each				N/A	
1150	Rearrangement of Fuels		Acre				N/A	
			Acre				N/A	
			Acre				N/A	
			Acre				N/A	
			Acre				N/A	
			Acre				N/A	
1180	Fuel Break		Mile				N/A	
			Mile				N/A	
			Mile				N/A	
			Mile				N/A	
			Mile				N/A	

Subtotal - Purchaser		$0.00 >>>>
$/CCF		$0.00

BRUSH DISPOSAL
Forest Service

Composite Rate = 1.7980

FACTS ID	Description	Local Qualifier	UOM	Cost/Unit	% BD	# Units	Comments	Inflatio	Composite %	Tot. Activity $
1100	Fuel Inventory		Acre							
1111	Fuels Burn BB		Acre							
	Fuels Burn BB		Acre							
	Fuels Burn BB		Acre							
1112	Jackpot Burning		Acre							
	Jackpot Burning		Acre							
1113	Fuels UB		Acre							
	Fuels UB		Acre							
	Fuels UB		Acre							
	Fuels UB		Acre							
1130	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Each							
5010	Air Quality Monit		Acre							
			Acre							

Subtotal -- FS (Deposits)		$0.00 >>>>
	$/CCF	$0.00
Total BD Allowance		$0.00
Total Appraisal Allowance ($/CCF)		$0.00

REQUIRED KV FOR REGENERATION HARVEST

KV SITE PREP

Composite Rate = 1.6560

FACTS ID	Description	Local Qualifier	UOM	Cost/Unit	% KV	# Units	Comments	Inflatio	Composite %	Tot. Activity $
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
4471/4491	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
	Burn Site Prep		Acre							
1130	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
	Burn Fuel Piles		Acre							
								Total Site Prep		$0.00

Regeneration

Activity	UOM	Cost/Unit	# Units	Comments	Inflatio	Composite %	Tot. Activity $
Planting	Acre						
Regen Exams	Acre						
Animal Damage Control	Acre						
Chemical Site	Acre						
					Total Regeneration		$0.00

Total Required Regen Cost	$0.00	>>>