

IDAHO PANHANDLE NATIONAL FORESTS

2450

04-2420-01

Commercial Sales - Proposed

STARS # 09401

TOTO2 TIMBER SALE REPORT
AND
APPRAISAL

DISTRICT

SUPERVISOR'S OFFICE

Prepared _____

Jeanne Pedro White

Reviewed for Advertisement

Date

By

Date

Reviewed _____

Peter Ratcliffe

I hereby certify that this sale meets
the requirements of Secretary
Regulation 36 CFR 223.30.

Date

Reviewed _____

Chuck Mark

Staff Officer, Timber

Date

Date

Timber Sale Report

I. Location

The sale area is 75 acres in size and is located in sections 7, Township 42 North, Range 1 East, Boise Meridian, Latah County, Idaho. The timber stands is 431-05-005, 13, 09, 04, St. Joe Ranger District, Idaho Panhandle National Forests. Harvest is planned on 57 acres. The sale area lies in the West Fork Emerald Creek Drainage. Directions to Sale: Go south on State Highway 3, from Fernwood, Idaho to road 447 (Emerald Creek) drive approximately 3.5 miles take the right fork onto road 380 go approximately 1 mile to road 1487. Take road 1487 approximately 7 miles to the sale center.

Special Note: This sale was sold as Emerald City in 2006, purchaser decided to cancel the contract under Section 8401 of the Food, Conservation, and Energy Act of 2008.

II. Relationship to the Environmental Document and Other Uses

This sale was prepared under the direction of the Emerald City Categorical Exclusion, Category 12, approved by Chuck Mark, Ranger on St. Joe Ranger District, Idaho Panhandle National Forests dated March 21, 2006.

A. Relationship to Private Land/Rights-of-Way: There are no private lands adjacent to this sale.

B. Threatened, Endangered and Sensitive Species: This project will have no effect on Threatened or Endangered Species or their habitat.

C. Wetlands/Streamside Habitats: The project activities will not occur in municipal watersheds, wetlands or flood plains. The project will not impact impaired watersheds. Stream buffers, best management practices, and project design features are adequate for protecting water quality.

D. Special Uses, Mining Claims, Range Allotments: This project is within the Emerald Creek Range Allotment Area.

E. Cultural Resources: The area has been surveyed. There are no Native American religious or cultural sites, archaeological sites, historic properties or areas in the vicinity project activities will occur. If any cultural sites are found during logging operations they will be protected.

III. Timber Volumes

Sale unit was cruised in the 2005 field season by a Forest Service crew. Cruise design and implementation procedures were adhered to the standards prescribed in the Forest Cruising Handbook 2409.12 and all R1 and IPNF Supplements. This sale was cruised to an error of 4.84%. Maximum allowable for Weight Scale Measurement sale is 20%. The **cruise identification number is 17**. GPS was used to determine all acreages. The conversion factor is .5366mbf/ccf.

Certified Cruisers: Mike Hicks, William Brandt, Wes Case, Stephanie Thurston, Cassidy Russell

Cruiser Assistants: Lucas Ware, Eva Ford, Amy Collins

Recorders: Harold Payne, Jeanne Pedro White

Cruising was completed in 2005.

The Non-sawlog volume consists of 156 CCF of topwood and 149 CCF of small trees. Please see cruise for volume.

The following table summarizes sale acreage, and estimated timber volumes by species, and logging system by unit.

Volumes are in CCF

Unit	Ac res	GF	DF	L	LP	H	C	Non-Saw	Total	Logging System
1A	12	117	218	24		2	12	66	439	Ground base
1B	45	740	735	35	4	3	39	239	1795	Skyline
Total	57	857	953	59	4	5	51	305	2234	

Volumes are in Tons

Unit	Ac	GF	DF	L	LP	H	C	Non-Saw	Total	Logging System
1A	12	362	674	74		6	37	202	1355	Groundbase
1B	45	2287	2271	108	12	9	121	739	5547	Skyline
Total	57	2649	2945	182	12	15	158	941	6902	

*Conversion factor from ccf to tons is 3.09

IV. Marking Plan

Boundaries: The boundaries of the unit are marked with 3 vertical stripes of **Orange** paint and stripe of **Orange** paint below stump height. The center stripe faces into the area to be cut.

Cut Trees: All trees designated for cutting are marked with **Yellow** paint, with a horizontal stripe on uphill and downhill side of the tree and a stripe of **Yellow** paint below stump height.

V. Transportation System

Traveling south from St. Maries, Idaho on Highway 3 (approximately 25 miles) to the junction of Forest Road 447. From this junction continue approximately 3.5 miles to the junction of Forest Road 380. On Forest Road 380 go approximately 1 mile to the junction of Forest Road 1487. Continue on Forest Road 1487 to sale center (approximately 8 miles).

Roads to Maintain:

Road Number	Termini	Surface	Miles
380	Jct 447 - Jct 1487	Agg	1
1487	Jct 380 - termini	Agg	7
Total			8

VI. Erosion Control

Seed application shall be during the period June 1 to June 30 and September 15 to November 1. Seed shall be applied evenly at the rate of 23 pounds per acre and 200 pounds of fertilizer. **Note seed mix.** Ref to C6.601.

Seed quantity

Species	lbs/acre	cost/lb
Slender Wheatgrass "Highlander" or "Pryor"	3	
Mt. Brome "Bromar"	4	
Streambank Wheatgrass "Sodar"	4	
Sheep fescue "Durar" (Festuca ovina)	5	
White Dutch Glover or Alsike Clover (Tirfolium hybridum)	3	
Annual rye (Lolium multiflorum)	4	
Total	23	\$4.00/lb

Acres to seed: 5 Acres

Seed: 23 lb/ac X 5 acres = 115 lbs seed

Fertilizer 18-18-14-06:200 lbs/ac x 5 acres = 1000 lbs

Seed Cost = 115 X \$4.00/lb = \$460

Fertilizer Cost = 1000 X \$.45/lb = \$450

Application: 8 hours X \$13.64/hr = \$109.12

Total Erosion Control needs: \$1019.12

Cost/CCF: \$.53

VII. Sale Area Improvement –KV - Narrative

Costs are generated through the FACTS program and more detail cost sheets are attached.

There are no KV activities on this sale.

VIII. Hazard Reduction

The sequence of activities and activity costs are attached. Costs are generated through the FACTS program.

Purchaser requirements:

- Grapple Pile all Landings in accordance with C6.7#
- Slash in Unit 1A will be grapple piled by the purchaser wherever fuels less than 3 inches in diameter exceed 12 tons per acre.
- Slash on those portions of Unit 1B that have undesignated yarding methods will be grapple piled by the purchaser wherever fuels less than 3 inches in diameter exceed 12 tons per acre.
- Yard Tops, All Units
- Grapple pile all landings

Forest Service requirements:

- Burn Landing Grapple Piles

IX. Other Provisions

A. Period of contract:

1. Normal operating season: June 15 to October 15
2. Termination date: October 31, 2012

B. Purchaser Fire Liability:

1. Personnel and Equipment

Number Required	Item	Personnel
1	Sawyer	2
1	Yarder (Escoliner)	1
1	Skidder or Forwarder	1
1	Truck driver	1
1	Loader	1
1	Woods Boss	1

2. Calculations

Total number of personnel	7
Number of hours per day	12
Total hours per crew day	84
Hourly rate for AD-C firefighter	\$13.64
Average daily cost	\$1145.76
Average fire length	5 days
Purchaser obligation for operation fire	\$5728.80
Rounded up to nearest \$100	\$5800

C. Other Unique Requirements:

- Scarification of swing trail in unit 1B
 Contract Provision C6.633
 Cost Allowance: \$725.00

X. Notification of Forest Practices

X	Harvest of forest tree species.
	Road construction associated with harvesting of trees.
	Reforestation.
	Use of chemicals or fertilizers for the purpose of growing or managing forest tree species..
X	Slashing or use of fire resulting from harvest or other management activities.
	Site specific BMP's
	Lake Present?
	Class I stream present?
	Steep Slopes?
	Unstable or erodible soils present?
	Sream crossings anticipated?

XI. Sale Objective Code

PURPOSE	ACTIVITY	PERCENTAGE
FS	10	100

VALID PURPOSE CODES:

TC -- Timber Commodity Purpose
FS -- Forest Stewardship Purpose
PP -- Personal Use

VALID ACTIVITY CODES:

TC 01 -- Timber Purpose
FS 10 -- Forest and Ecosystem Health

XII General

- 1) Prior to commencement, a pre-work conference will be held to discuss contract and work performance requirements. (C6.10)
- 2) All off-road equipment will be washed prior to entry to sale area. (C6.351#)
- 3) Any snags that are not a safety hazard will be retained in each unit.(C2.303#)
- 4) The gate on Road 1487 will be closed and locked after passage of every vehicle. An exception to this may be granted at the discretion of the Forest Service under some circumstances (e.g. during substantial timber hauling). When agreed to by the Forest Service, the operator may close and lock the gate at the end of each day's operations, provided: (C5.41#)
 - a) A sign is posted warning forest visitors that the gate will be locked without notice, and
 - b) During fall big game hunting seasons (archery through late muzzle loader), temporary barriers (guard rail or concrete) are in place on all side roads behind the gate on Road 1487 that restrict access to full-size vehicles but maintain access for vehicles < 50".

- 5) Purchaser shall keep roads needed for fire protection or other purposes and designated on Sale Area Map reasonably free of equipment and products, slash and debris resulting from Purchaser's operations.(B6.22)
- 6) Warning signs near the gate and at the logging sites will inform public of logging activities.(B6.33)
- 7) Unit 1B has skidding distances approximately 1000 feet in places.
- 8) No excavated skid trails will be allowed.
- 9) In unit 1A purchaser may be expected to pull 75' of line.
- 10) An off-road skyline machine (tracked line machine) with tractor swing is recommended for Unit 1B, partly due to walking in equipment to log the lower portion of the unit. The main ridges can be logged with ground-base equipment. The trail used for the off-road skyline machine (tracked line machine) and tractor swing will be scarified after use.
- 11) Yard Tops will be used to reduce slash from harvest operations. Slash not removed in the ground-base operation will be grapple piled by the purchaser wherever fuels less than 3 inches in diameter exceed 12 tons per acre. (C6.7)