

Idaho Panhandle National Forests  
Turn Away Timber Sale Report & Appraisal

2450 - Commercial Sales - Proposed  
Stars#

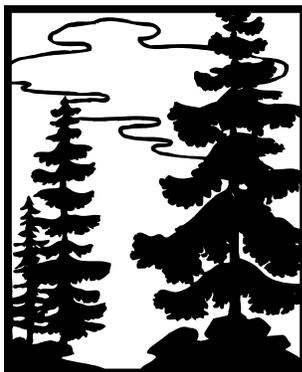
04-2420-01

**St. Joe Ranger District**

Prepared by: \_\_\_\_\_ Date: \_\_\_\_\_  
Jeanne Pedro White, Forester

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Peter Ratcliffe, Team Leader

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_  
George Bain, Ranger



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

\_\_\_\_\_ Date: \_\_\_\_\_  
Timber Staff Officer

Review for Advertisement - Idaho Panhandle Forests Supervisor's Office

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Resources

# Timber Sale Report

## I. Location

The sale area is 51 acres in size and is located in sections 11, 12 & 13, T45N, R6E., Boise Meridian, Shoshone County, Idaho. The sale area lies between the Turner Creek and Bird Creek drainages. Directions to sale: Take Forest Highway 50 from Avery, Idaho approximately 9 miles to Forest Road 1281. On Road 1281, go approximately 4.5 miles to sale center.

## II. Relationship to the Environmental Document and Other Uses

This sale is prepared under the direction of the Eagle Bird Environmental Impact Statement, approved by David Wright, Forest Supervisor on Idaho Panhandle National Forests on 7/23/99. The purpose of this sale is to manage two sub watersheds. This sale lies in Forest Plan Management Areas 1 & 4.

- A. Relationship to Private Land/Rights-of-Way: There are no private lands adjacent to this sale.
- B. Threatened, Endangered and Sensitive Species: Limiting operating season from April 15 to June 30 for protection of denning habitats for Lynx.
- C. Wetlands/Streamside Habitats: 150' - 300' buffers along streamside habitats.
- D. Special Uses, Mining Claims, and Range Allotments: No mining claims are in this sale
- E. Noxious Weeds: Off-road logging equipment will be cleaned and inspected prior to moving into the sale area; only certified weed free seed will be used on sale
- F. Cultural Resources: All known cultural sites will be protected including any discovered during logging operations.

## III. Timber Volumes

All units were cruised in the 2000 field season by certified Forest Service cruisers and Cruise Assistants. Cruise Assistants were under direct supervision of Certified Cruisers. All cruise design and implementation procedures adhered to the standards prescribed in the Forest Cruising Handbook 2409.12 and all R1 and IPNF Supplements. PPF Sample Tree cruising was used for all units. A detailed account of the cruise design and cruising

specifications can be found in the Cruise Plan folder. GPS was used to determine all acreages. The conversion factor is .5709 mbf/ccf and 3.09 tons/ccf, ton/mbf 5.41

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

Volumes are in CCF

Unit	Acre	GF	AF	L P	H	DF	L	W P	C	Total	Logging System
52	8	323				34				357	Skyline
67	10	149		2		28				179	Skyline/trac
Total	18	472		2		62				536 CCF	
Ton		1458		6		192				1656Ton	

#### IV. Marking Plan

**Boundaries:** The boundaries on all units are marked with 3 vertical stripes of orange paint and a spot of orange paint below stump height. The center stripe faces into the area to be cut. Existing roads are the boundary of some areas, as shown on the sale area map.

**Seed/Wildlife Trees:** These trees are marked with a horizontal band of yellow paint and a spot of yellow paint below stump height.

**Cut Trees:** All units have cut trees marked with a horizontal band of **BLUE** Paint and a spot of blue paint below stump height.

#### V. Logging Feasibility Plan

##### **Unit 52:**

Logging System: Skyline

Prescription: Group Shelterwood

Cruising and Marking: PPF (tally cruise)

Acre to be logged: 8

Average DBH: 14.0"

Net Volume/Acre: 44.3 CCF/acre

Average Slope: 60%

EYD: 800'

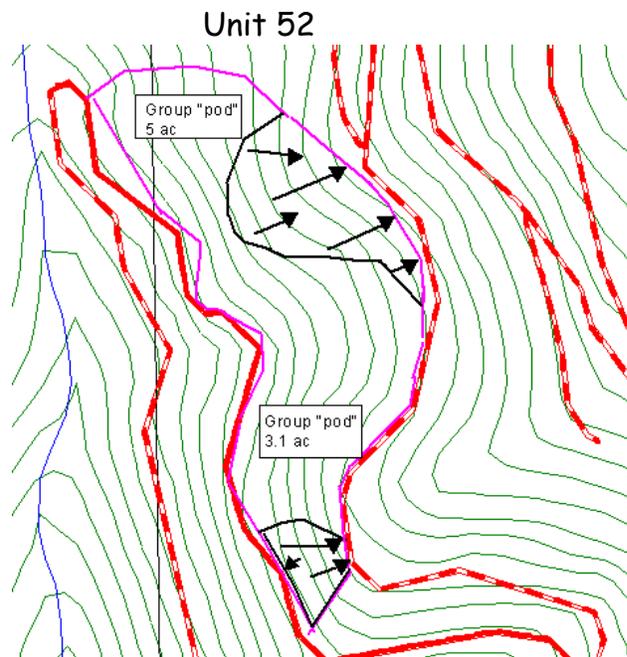
AYD: 400'

**Timber Designation:** Unit consists of Douglas fir and grand fir. The timber designated to be cut is marked with a blue horizontal band at DBH and a stump mark on the downhill

side of the tree. All timber meeting merchantable specs for sawtimber, and pulp has been tallied and cruised specific frequencies by the cruise design.

**Logging system:** Skyline yarding is required. Intermediate supports may be needed on some sets. The 1281 road will be the main road to set the line machine on for skidding; a skid trail is located right next to this road, which can be used. If this skid trail is used, it must be obliterated, seeded and fertilized. Highbank along 1281 can be done.

**Timber Type:** This unit is uniform through out the entire stand. Most of the unit is a mix of Douglas fir, and grand fir. Larch, cedar and white pine primarily been left as reserve trees. Cut trees within the unit in shelterwood groups; there are two groups below road 1281.



**Unit 67:**

Logging System: Skyline/Tractor  
Cruising and Marking: PPF (tally cruise)  
Average DBH: 14.0"  
Average Slope: 65%  
AYD: 400'

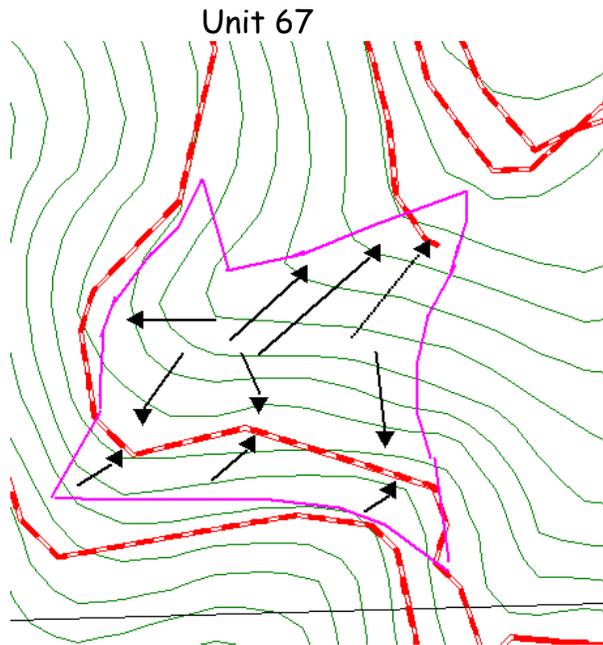
Prescription: Shelterwood Prep  
Acres to be logged: 10  
Net Volume/Acre: 19 CCF/acre  
EYD: 800'

**Timber Designation:** Unit consists of grand fir, lodgepole and Douglas fir. The timber designated to be cut is marked with a blue horizontal band at DBH and a stump mark on the downhill side of the tree. All timber meeting merchantable specs for live and dead

sawlog, and pulp has been tallied and cruised specific frequencies by the cruise design. See the timber sale contract.

**Logging system:** Skyline yarding is required. Intermediate supports may be needed on some sets. This unit is located above and below road 1281. Approximately 15% of the unit volume will be coming out the 1281B road. There are waterbars on this road that will need to be removed and then replaced after logging operations.

**Timber Type:** This unit is uniform through out the entire stand. Most of the unit is a mix of Douglas fir, grand fir, and lodgepole. Larch, cedar and white pine primarily been left as reserve trees. Cut trees within the unit are marked evenly throughout.



## VI. Transportation System

The main haul route from this sale is Road 1281 to Forest Highway 50 to St. Maries, Idaho.

**VII. Erosion Control**

Application shall be during the period July 1 to July 15 and September 1 to October 31. Seed shall be applied evenly at the rate of 23 pounds per acre and 300 pounds of fertilizer per acre. **NOTE seed mix.** For C6.601 and C5.41, Roads 1281 and 1281B as well as raw soil on skid trails, landings will be seed with the mixture described below.

**Seed quantity**

Species	lbs/acre	
Slender Wheatgrass "Highlander" "Pryor"	5	
Mt. Brome "Bromar"	6	
Streambank Wheatgrass "Sodar"	5	
Indian Ricegrass "Nezpar"	4	
White Dutch Clover	3	
Total	23	\$3.00/lb

Acres to seed: 1 Acres

Seed: 23 lb/ac X 1 acres = 23 lbs, seed

Fertilizer 18-18-14-06: 300 lbs/ac X 1= 300 lbs

Seed Cost = 23 lbs X \$3.00/lb = \$69.00

Fertilizer Cost = 300 lbs X \$.30/lb = \$90.00

Application: 1 hours X \$16.15/hr = \$16.15

12% Overhead =\$1.94

Removing/re-establishing waterbars= \$350

**Total Erosion Control needs: \$527.09**

**Cost/CCF: .98/CCF or .32/TON**

**VII. Sale Area Improvement -KV - Narrative**

Noxious weeds will treat a total of 2.5 acres along 1 mile of road within the sale area boundary. Control of weeds will be accomplished through spraying and hand pulling where feasible. Costs are generated through the PLANZ program and more detail cost sheets are attached. Unit 52, group shelterwood areas will be burn and planted following logging operations. Regeneration surveys will follow after planting.

**IX. Hazard Reduction**

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

**Purchaser requirements:**

- Pile all landings in accordance to C6.7.
- Directional fall timber into units, no slash will be allowed outside the boundaries. All timber shall be directionally felled away from cutting unit boundaries, so no slash will fall outside cutting units.
- Unit 67 - purchaser will yard tops to landings.

**Forest Service requirements:**

- Burn all landing piles created by purchaser
- Broadcast burn group shelterwood areas in unit 52
- Fire break construction in unit 52

**X. Other Provisions**

A. Period of contract:

1. Normal operating season: July 1 thru October 31
2. Termination date: December 31, 2004

B. Purchaser Fire Liability:

1. Personnel and Equipment

Number Required	Item	Personnel
1	Sawyer	1
1	Yarder	1
1	Truck drivers	1
1	Loader	1
1	Woods Boss	1

## 2. Cost Calculations

Total number of personnel	5
Number of hours per day	12
Total hours per crew day	60
Hourly rate for AD-3 firefighter	\$ 12.84
Average daily cost	\$770.40
Average fire length	5 days
Purchaser obligation for operation fire	\$3852
Rounded up to nearest \$100	<b>\$3900</b>

## 3. Unusual Condition Adjustment

The forest subgroup for the Lolo National Forest more accurately reflects the conditions in the upper St. Joe area than the IPNF subgroup, which primarily reflects the Kaniksu portion of the IPNF due to the number of past transactions. An unusual condition adjustment is being made to adjust the forest subgroup from that of the Idaho Panhandle to that of the Lolo.

IPNF forest subgroup	\$ + 10.34
Lolo forest subgroup	\$ - 1.11

To adjust from the IPNF to the Lolo an adjustment in the amount of \$ - 11.45 will be made.

During the past year the majority of the sales on the upper St. Joe area have received no bids. This has created a problem for the Regional Appraisal Specialist. With no sales in the area there is no transaction data to use in developing an appraisal formula. Because of the no bids and to remedy this situation we are making a special adjustment on this sale in the amount of \$10.00 per CCF.

Total Unusual Condition Adjustment = \$ - 21.45

## XI. General

- Rd 1281 gate will be closed after each vehicle passing.
- Prior to commencement of work, a prework conference will be held to discuss contract terms and work performance requirements (C6.10).
- (C6.316#) Purchaser's operations are prohibited from April 15 to June 30 for the protection of denning habitat for lynx.
- There are multiple timber sales in the area of Turn Away Timber Sale; purchaser will need to be aware of these activities.
- No rubber tired skidders allowed on sale.

## XII. Notification of Forest Practices

x	Harvest of forest tree species.
	Road construction associated with harvesting of trees.
	Reforestation.
X	Use of chemicals or fertilizers for the purpose of growing or managing forest tree species..
	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?
	Stream crossings anticipated?

## XII. 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:**

<b>TC</b>	01 -- Timber Purpose
<b>FS</b>	10 -- Forest and Ecosystem Health
FS	20 -- Recreation/Visual/Cultural Resource Enhancements
FS	30 -- Wildlife Habitat Management
FS	40 -- Fisheries Habitat Management and Watershed Improvement
FS	50 -- T&E Species Habitat Management
FS	60 -- Range Resource Enhancements
FS	70 -- Non-Timber Products
FS	90 -- Other
<b>PP</b>	80 -- Personal Use Products