



PRE-SALE REPORT

BLUE JAY CEDAR

CR200447

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I. GENERAL INFORMATION

A. General Location: This sale is located approximately 4 miles east of Naples, ID.

B. Historical: Unit 1 has no historical record of entry. Unit 2 was harvested in 2000 with the Jay Peak timber sale (TS23073).

C. Purpose of Sale:

1. Maximize long-term revenue to the Endowments through sustainable management of endowment timberlands.
2. Move towards the Area's Desired Future Conditions (DFC) by adjusting species composition to more seral species (white pine, western larch, and Douglas-fir) which are more resistant to fire, insects and pathogens and by adjusting the age/size class distribution on the area to reduce defect, mortality, and improve growth.
3. Unit 1 is scheduled for a clearcut harvest prescription. This unit will receive a site prep herbicide spray, planted with Douglas-fir, and have a release spray applied the year following planting. Following release spray, this unit will be monitored until year 5 when it is free to grow.
4. Unit 2 will be harvested to an overstory removal prescription. This unit has successfully regenerated. Once harvest activities are finished, this stand will receive a pre-commercial thinning treatment.

II. CURRENT CONDITIONS

A. Physiographic:

1. Drainages: Within units 1 and 2, there are several small class II streams that act as the headwaters to Trail Creek. None of these streams are listed as 303(d). No critical bull trout habitat is located within the sale area.
2. Aspect: Unit 1 has primarily a north/northeast aspect. Unit 2 has varying aspects including northwest, north, and east.
3. Slopes: Min 0% - Max 80%, Average 40%

4. Soil Characteristics:

Soil Type	Percent of Sale	Rutting Hazard	Erosion Hazard	Drainage Class	Compaction Risk	Equipment Operability
Pepoon-Newbell Families-Rock outcrop complex	6	Slight	Moderate	Well Drained	Medium	Poorly Suited
Eloika-Humic Lithic Dystroxerepts families- Rock outcrop complex	14	Severe	Moderate	Well Drained	Medium	Poorly Suited
Jaypeak gravelly ashy silt loam, 35-75% slopes	25	Moderate	Moderate	Well Drained	Medium	Poorly Suited
McArthur, very stony-rock outcrop complex, 35-75% slopes	2	Slight	Moderate	Well Drained	Medium	Poorly Suited
Pend Oreille ashy silt loam, 15-35% slopes	11	Severe	Moderate	Well Drained	High	Well Suited
Pend Oreille ashy silt loam, 35-65% slopes	42	Severe	Severe	Well Drained	High	Poorly Suited

5. Elevation: Min 3,280' – Max 4,480', Average 3,700'

B. Stand Description:

- Habitat Type: Units 1 and 2 are western redcedar/queencup beadrilly habitat type.
- Pathological: There are endemic levels of red ring rot on western larch in unit 1.
- Entomological: No significant entomological concerns were noted within the sale area.
- Current Stand Structure:

UNIT	TYPE	SPECIES COMPOSITION (MBF %)	AGE	TEN YEAR GROWTH RATE (INCHES)	ACRES
1	13	DF(30), CE(27), GF(23), WL(7), WH(6), ES(4), LP(2), WP(1)	100-120	0.3	63
2	12	WL(31), DF(25), WH(20), GF(13), CE(10), PP(1)	80-100	0.5	104
	43	GF(45), DF(19), CE(19), WL(11), WH(5), WP(1)	25	1.0	
Total Acres:					167

III. MANAGEMENT PLAN

A. Transportation Plan:

No developments included in this sale. Transportation route is through spur roads and secondary roads on endowment lands. A portion of the haul route is through lower Trail Creek Road, which is part of the industrial road Co-op.

B. Silvicultural and Harvest Plan:

1. Treatment Summary:

UNIT	SILVICULTURAL PRESCRIPTION	NET ACRES	CURRENT MBF/ACRE	CURRENT TREES PER ACRE (TPA)	RESIDUAL MBF/ACRE	RESIDUAL MERCHANTABLE TPA	RESIDUAL WILDLIFE TPA
1	Clearcut	63	16.2	76	0	0	0-5
2	Overstory Removal	104	10.2	36	0	0	0-5

2. Anticipated Stand Composition:

UNIT	TYPE	SPECIES COMPOSITION (%TPA)	TPA	ACRES
1	51	DF(100)*	200*	63
2	43	GF(45), CE(19), DF(19), WL(11), WH(5), WP(1)	1,050	104
Total Acres:				167

*Anticipated TPA and species composition after planting.

3. Treatment Description:

- a) Unit 1 was identified as a clearcut unit. Unit 2 is an overstory removal unit and was successfully regenerated to target stocking levels.

b) Clearcut Justification:

Clearcuts will help achieve Desired Future Conditions outlined in the Pend Oreille Lake Supervisory Area's Forest Asset Management Plan. Clearcut unit 1 (63 acres), is silviculturally and economically justified and comply with Land Board policy and the Idaho Forest Practices Act. A Clearcut prescription will be used to harvest the existing stand and re-establish seral and intermediate species on the site. Natural regeneration will not accomplish this for the following reasons.

- 1) The stand consists of western larch and Douglas-fir that are over 100 years old. Due to loss of vigor and reduced crowns these trees are not expected to produce viable seed.
- 2) Red ring rot (*Phellinus pini*) in the western larch reduces the amount of available seed trees.

3) This clearcut is not visible from any major population centers or highway corridors. The sale area is only visible from forest road systems.

4) Clearcut unit 1 conforms to terrain features such as streams, ridges, rock screes, and property lines.

c) Forest Improvement Activity:

Following harvest, unit 1 will receive a site prep herbicide treatment. Douglas-fir will then be planted one year post site-prep spray. The year after planting, the stand will receive a release spray herbicide treatment. Following release spray, this unit will be monitored until year 5 when it is free to grow.

Unit 2 will receive a pre-commercial thinning treatment unit once harvest activities are complete.

d) Harvest Specifications:

Method	Acres	Volume MBF	Equipment Specification	Distance (Ave)
Ground Based	64	625	None	1,000'
Prescriptive	103	1455	No ground-based equipment on slopes over 45% unless tethered.	3,000'

C. Hazard Management Plan:

This plan will serve as a guide to reduce the slash hazard to levels as required by the Idaho Forest Practices Act Fire Hazard reduction laws. The Purchaser will whole tree skid, and limb and top at the landing. Additionally, the Purchaser shall grapple pile all landing and right-of-way slash. Idaho Department of Lands personnel will burn roadside and landing piles.

D. Erosion Control Plan:

To minimize sedimentation into streams within the sale area, the following measures will be taken:

1. Erosion control measures shall be installed as operations progress, at the end of each logging season, prior to freeze-up when winter logging is anticipated, or as designated by the State (Forester-in-charge).
2. Surfacing, rolling dips, and grade changes will be installed in new roads to reduce erosion.

E. Forest Practices Act:

No variances are anticipated for this sale.

IV. IMPACT STATEMENT

A. Aesthetics:

This sale is not visible from any major population center, road corridors, or waterways. Recreationists may experience a short-term aesthetic impact until artificial regeneration has been initiated and established in unit 1.  Unit 2 is a successful seed tree unit that will maintain a forested aesthetic once the overstory is removed.

B. Affected Interests:

Local residences may experience an increase in truck traffic on haul roads. The Trail Creek drainage is a popular recreation area. Recreationists may be affected by harvest activities while the sale is active. No long-term effect to motorized recreation is expected.

C. Air Quality:

Burning associated with this sale may cause limited air quality impacts. Burning operations will be coordinated with the Montana-Idaho Airshed Group.

D. Cultural Resources:

There were no identified historical or cultural resources found within the sale area.

E. Leases:

No leases are active in the sale area.

F. Roads and Traffic Patterns:

There will be an increase in traffic on Trail Creek Road. Warning signs noting logging activities will be posted near the sale area to alert drivers and recreationists.

G. Site Productivity:

Designated skid trails and forest best management practices will minimize the loss of productivity from soil compaction and displacement.

H. Water Quality:

By utilizing forest best management practices and adherence to the rules of the Idaho Forest Practices Act, no impacts to water quality are expected.

I. Wildlife and Fisheries:

This area receives moderate use by big game. Potential impacts on wildlife will be minimized by the following measures: the presence of unharvested stands of timber adjacent to sale units will provide sufficient escape cover, travel corridors, and thermal cover for animals. No fisheries are present in the sale area. This sale is within the Kootenai Valley Seasonal Restriction Area and, without written permission, prohibits logging operations between April 1 and June 30 to protect grizzly bears.