



PRE-SALE REPORT

ELK WOLF TON

CR600218

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I. GENERAL INFORMATION

A. General Location:

The Elk Wolf Ton timber sale is located in Boise County. It is located approximately 5 air miles north of Idaho City, Idaho.

B. Historical:

Large fires burned through the sale area in the 1930's and 1940's. A large portion of the burned areas naturally regenerated. Portions of the sale area that did not naturally regenerate were terraced and planted by machine in the fall of 1970 and spring of 1971 (Elk Creek & Spanish Fork Planting 6-1-101-70). These plantations were under and interplanted among the surviving leave trees from the wildfire.

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 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. Road developments will improve the existing road system for future forest management activities and assist in fire suppression efforts.

II. CURRENT CONDITIONS

A. Physiographic:

1. Drainages: The sale area is in the Mores Creek (Class I) drainage which flows into Lucky Peak Reservoir (Boise River) and to the Snake River. Elk Creek, a Class I stream, is not within the sale but is the unit 2 sale boundary. Wolf Creek, a Class I stream, is not within the sale but is the unit 1 sale boundary. The Idaho Department of Environmental Quality 2024 Assessment Report indicates that Elk Creek and Wolf Creek are fully supporting cold-water aquatic life and secondary contact recreation. Wolf Creek supports salmonid spawning. No critical habitat exists for bull trout presence.
2. Aspect: All present. Primarily south and southeast.
3. Slopes: 5% - 50%, Average 30%.
4. Soil Characteristics: The Boise County Soils Survey indicates the major soils within the sale area are:

Shirts-Kosh-Charters complex – A fine gravelly sandy loam with a 20 to 40 inch depth and an available water capacity of 3.6 inches throughout the profile.

Shirts-Kosh complex – A gravelly sandy loam with a 20 to 40 inch depth and an available water capacity of 4.7 inches throughout the profile.

Backswitch-Charters-Zimmer complex – A coarse sandy loam with a 38 to 48 inch depth and an available water capacity of 4.2 inches throughout the profile.

Eagleson-Kosh-Rock outcrop complex – A fine gravelly sandy loam with 20 to 40 inch depth and an available water capacity of 2 inches throughout the profile.

Middlefork-Charters complex – A coarse sandy loam with a 48 to 60 inch depth and an available water capacity of 10.4 inches throughout the profile.

All soils are somewhat excessively drained and are colluvium derived from granodiorite and rhyolite.

5. Elevation: 4,400' – 5,300'. Average 4,650'.

B. Stand Description:

1. Habitat Type: Dry Douglas-fir habitat types on steep south aspects include PSME/SPBE (Douglas-fir / white spirea), PSME/SYAL (Douglas-fir / snowberry), and PSME/CAGE (Douglas-fir / elk sedge) with PSME/PHMA (Douglas-fir / ninebark) on north-northeast aspects.
2. Pathological: Occasional dwarf mistletoe infections in ponderosa pine and Douglas-fir.
3. Entomological: Western pine beetles are present.
4. Current Stand Structure:

UNIT	TYPE	SPECIES COMPOSITION (MBF %)	AGE	TEN YEAR GROWTH RATE (INCHES)	ACRES
1	12	PP (96), DF (4) / PP (96), DF (4)	85+/50+	0.5+	204
2	12	PP (97), DF (3) / PP (97), DF (3)	85+/50+	0.5+	222
				Total Acres:	426

III. MANAGEMENT PLAN**A. Transportation Plan:**

ROAD TYPE	WORK PERFORMED	MILES
Secondary	Opening	1.29
Spur	Opening	2.71
Spur	Reconstruction	2.42
	Total Miles:	6.42

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	Shelterwood	204	17.10	96	2.50	15	3-5
2	Shelterwood	222	15.31	73	2.00	15	3-5

2. Anticipated Stand Composition:

UNIT	TYPE	SPECIES COMPOSITION (%TPA)	TPA	ACRES
1	21	PP (93), DF (7)	15	204
2	21	PP (96), DF (4)	15	222
Total Acres:				426

3. Treatment Description:

- a) Units 1 and 2 – The silvicultural prescription is shelterwood. Post harvest, the sale area will be monitored for natural regeneration. The next entry is anticipated to be in 10 years (post-harvest) and will be an overstory removal with interplanting, where necessary.
- b) Clearcut Justification: N/A
- c) Forest Improvement Activity: N/A

d) Harvest Specifications:

Method	Acres	Volume MBF	Equipment Specification	Distance (Ave)
Ground Based	171	2,498	Rubber tire grapple skidder or grapple cat.	500' – 1,600'
Cable Yarding	255	3,437	Off road jammer, single drum loader with tong.	250'

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 grapple pile roadside slash concentrations and landing slash. The Southwest Fire Protection District (FPD) will burn slash 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).

E. Forest Practices Act:

A variance from Forest Practice Act rules 030.04.a, 030.07.c, 040.03.a will be requested for the 379 road as portions of it reside within the stream protection zone of Elk Creek and Wolf Creek. It would be environmentally more damaging to water quality to relocate this road than to use in its current location.

IV. IMPACT STATEMENT**A. Aesthetics:**

This sale is not located along any major travel routes and cannot be seen from any significant viewpoints. The area is primarily used by hunters and firewood cutters. The overall stand appearance will change from moderately dense to a more open stand appearance.

Retention of approximately 15 mature trees per acre should minimize some of this impact. Skid trails and landings will be kept to a minimum, cleared of slash and re-benched as needed. Visual impacts should be of short duration, as the site revegetates and logging slash is treated, visual impacts should return to near pre-harvest conditions.

B. Affected Interests:

There are no known affected interests from this sale.

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:

The timber sale area is within a grazing lease to Frank Calvin Shirts (G-600073). The State (Forester-in-charge) will coordinate with the lease holder once harvest plans of the purchaser are known. Timber sale operations will have minimal or no impact to the grazing lease.

F. Roads and Traffic Patterns:

This sale is not expected to alter normal traffic patterns in the area. At times the secondary and spur roads may be blocked for short durations during logging activity

G. Site Productivity:

Some minor site disturbance and soil compaction is expected as the result of skid trail construction and harvesting operations.

H. Water Quality:

This sale, as prepared, meets or exceeds all requirements of the Forest Practices Act. The use of Forest Practice Act, and best management practices are adequate for controlling and minimizing potential impacts to water quality.

I. Wildlife and Fisheries:

No known populations of threatened or endangered species inhabit the sale area. There are also no known critical habitats within this sale area.