



Little Big Rock GNA

KL-341-2025-GF7C23-01

Cruise Report

SALE NAME: Little Big Rock GNA

LEGAL DESCRIPTION:

Portions of Sections 12, 13, 14, 23, 24, 25, 26, 35, 36 T6 R26E and Sections 7, 8, 18, 19, 20 T6S R27E in Morrow County, Oregon. And portions of Section 1 T7S R26E and Sections 6, 7, 8 T7S R27E in Grant County, Oregon.

BOUNDARY LINES:

Unit boundaries are marked with “Timber Sale Boundary” signs, orange paint, and blue flagging. Discernable virtual boundaries are easily recognizable features on the ground (such as a road or fence). Geo-fence virtual boundaries are boundary locations on the ground that are represented on a geo-referenced map.

ACREAGE:

Gross Sale Acreage:	648 Acres
Exclusion Acreage:	0 Acres
Net Sale Acreage:	648 Acres

Mapping was accomplished using a handheld Global Positioning System unit with the data run on the district Geographical Information System program.

TREATMENT:

The Timber Sale is a partial cut harvest.

CRUISE METHOD:

Variable radius plot cruise with a 1:2 measure to count plot ratio.

BASAL AREA FACTOR:

Area	BAF	Type Acreage
1	20 BAF	648

MEASUREMENTS AND GRADING:

- DBH and height were measured on all “in” trees for measure plots.
- All trees were graded using the segment system.

TREE HEIGHT:

Two tree height measurements were taken as part of the cruise. Total tree height and merchantable tree height.

Merchantable tree height was measured at a fixed diameter inside bark (DIB). This height is taken as high up the bole as possible, where the cruiser can clearly see the bole, and the DIB is approximately a minimum of 6 inches.

MINIMUM D.B.H:

8.0” DBH for sawlog volume. 5.0” DBH for pulp log volume.

DIAMETER STANDARDS:

1” diameter class

BTR:

A bark thickness ratio of 0.92” was used.

FORM FACTOR:

Form factor was measured or estimated at 16’ for each tree. Every “in” tree on measure plots was assigned its own form factor.

FORM POINT:

DBH for all trees.

VOLUME COMPUTATION:

All cruise data was input and run at the district on Atterbury’s Super Ace program.

FINAL CRUISE RESULTS:

AREA	CV%	SE%	ACRES
Area 1	79.5	7.0	648

TIMBER DESCRIPTION

SAWLOG VOLUME:

This volume was obtained from the variable radius plot cruise. All material was graded camp run. See grade table for minimum standards.

TOTAL SAWLOG VOLUME

Species	Ave. DBH	Gross Vol/Acre (bf)	Net Vol/Acre (bf)	Net Sale Vol (Mbf)
Douglas-fir	14.2	2,852	2,557	1,502
Grand Fir	19.0	86	86	53
Western Larch	14.3	157	146	82
Ponderosa Pine	12.9	2,381	2,167	1,184
	Total	5,476	4,955	2,821