

**TIMBER CRUISE
BUNZEL PROPERTY
TERRITORIAL ROAD**

**Prepared
For
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**TIMBER CRUISE
BUNZEL PROPERTY
TERRITORIAL ROAD**

The subject property is located in T18S, R5W, Sections 7 and 18, approximately one mile north of Crow, Oregon, on Territorial Highway. It is ±262.18 acres in size; 245 acres of merchantable timber were cruised for this report. Access is via a rocky road to the residence on the property. A dirt road runs up to a barn along the east boundary of the parcel and old dirt roads run through the majority of the timber. With minor reconstruction these roads can be used for logging activities. A few additional spurs will also need to be constructed to access all of the timber.

Terrain is gentle to moderate. All of the timber can be ground/shovel logged.

Timber cover is Douglas-fir, with a trace of hemlock, red cedar and alder. Other hardwoods are also scattered throughout the stands. The majority of the Douglas-fir is 50-70 years of age with scattered clumps of 80-95 year old trees mixed in. The old pasture ground in the middle of the property has some young stands (30-40 years old), that have grown up as the pasture slowly fills in with trees.

Cruise Method: The timber was cruised using a 220' by 220' grid. A total of 224 plots were taken using a 40 basal area factor. The timber was broken into three stands: 1) the majority of the property as one block, 2) the 10.15 acre rectangular tax lot extending out to Territorial Road along the western boundary, which is zoned RR10 and 3) the younger stand of timber which has been filling in the meadow.

Cruise Results: Majority of the Property – 221.8 cruised acres - 36' logs

	Gross Vol/ac (MBF)	Net Vol/ac (MBF)	Grade (% of Net Vol)					Total Volume (MBF)
			SM	2M	3M	Rough 3M	4M	
Douglas-fir	42,730	40,431	2	64	30	*	4	8,967.6

*Less than one percent.

Volume by Log Diameters:

	DF MBF	% VOL
6"	691.0	7.7
7-8"	780.3	8.7
9"	383.0	4.3
10"	504.8	5.6
11"	719.0	8.0
12-14"	1,913.6	21.3
15-18"	2,479.7	27.7
19-23"	1,217.5	13.6
24"+	<u>278.7</u>	<u>3.1</u>
	8,967.6	100.0

Other Data:	BA/ac	Average Tree			Average Log		
		DBH	HGT	Gr-BF	Len	Dib	Gr-BF
Douglas-fir	210	22.5"	2.7 logs	543	32'	12"	144

Cruise Results: Tax Lot #104 – 10.15 cruised acres - 36' logs

	Gross	Net	Grade (% of Net Vol)					Total Volume (MBF)
	Vol/ac (MBF)	Vol/ac (MBF)	SM	2M	3M	Rough 3M	4M	
Douglas-fir	38,177	33,970		69	27		4	344.8

Volume by Log Diameters:

	DF MBF	% VOL
6"	14.8	4.3
7-8"	24.8	7.2
9"	15.4	4.5
10"	20.5	6.0
11"	30.0	8.7
12-14"	109.0	31.5
15-18"	79.4	23.0
19-23"	50.9	14.8
24"+		
	<u>344.8</u>	<u>100.0</u>

Other Data:	BA/ac	Average Tree			Average Log		
		DBH	HGT	Gr-BF	Len	Dib	Gr-BF
Douglas-fir	196	22.5"	2.6 logs	537	32'	11"	144

Cruise Results: Young Stand - 13.1 cruised acres - 36' logs

	Gross	Net	Grade (% of Net Vol)				Total Volume (MBF)
	Vol/ac (MBF)	Vol/ac (MBF)	2M	3M	Rough 3M	4M	
Douglas-fir	19,008	18,069	20	68		12	236.7

Volume by Log Diameters:

	DF MBF	% VOL
6"	69.7	29.5
7-8"	61.2	25.8
9"	41.5	17.5
10"	17.7	7.5
11"		
12-14"	46.6	19.7
15-18"		
19-23"		
24"+		
	<u>236.7</u>	<u>100.0</u>

Other Data:	BA/ac	Average Tree			Average Log		
		DBH	HGT	Gr-BF	Len	Dib	Gr-BF
Douglas-fir	164	14.5"	1.5 logs	132	29'	8"	47

GRAND TOTAL – DOUGLAS-FIR 9,549.1 MBF

BUNZEL PROPERTY

T18S-R5W-Section 7 and 18 - ±262.18 acres
1 - Main Block of Timber - 221.8 cruised acres
2 - Young Stand - 13.1 cruised acres
3 - Tax Lot #104 - 10.15 cruised acres
JULY, 2018 PHOTO



Google Earth

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