

**TIMBER CRUISE
GIDDINGS PROPERTY**

**Prepared
for
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**TIMBER CRUISE
GIDDINGS PROPERTY**

The subject property is located in T16S, R2E, Section 27. It is approximately 2 miles northeast off of Vida, Oregon, on Gate Creek Road. It is ±39.20 acres in size; 14.5 acres of young timber (34 years old), intermixed with older residuals, was cruised for this report. Access onto the property is via a rocky road running through the property, including a spur running into the cruised stand. Dirt roads provide access to the all of the timber in the cruised stand. The remaining acres are in different ages classes of conifer reproduction, brush, hardwoods and riparian zones.

Terrain is gentle to moderate with a few short, steep slopes. All of the timber can be ground/shovel logged.

Timber cover is Douglas-fir with a trace of red and incense cedar. Hardwoods are also present.

Cruise Method: The timber was cruised using a 220' by 220' grid, with extra plots taken along lines of travel. A total of 27 plots were taken using a 25.1 basal area factor.

Cruise Results: 14.5 cruised acres - 36' logs

	Gross Vol/ac (MBF)	Net Vol/ac (MBF)	Grade (% of Net Vol)				Total Volume (MBF)
			2M	3M	Rough 3M	4M	
Young DF	4,393	4,228		30		70	61.3
Douglas-fir	<u>2,200</u>	<u>2,007</u>	67	28		5	<u>29.1</u>
Totals	6,593	6,235					90.4

Volume by Log Diameters:

	Young		DF MBF	%
	DF MBF	% VOL		
6"	61.3	100.0	2.9	10.0
7-8"			0.9	3.1
9"			1.0	3.4
10"			1.4	4.7
11"			3.4	11.6
12-14"			9.7	33.5
15-18"			9.8	33.7
19-23"				
24"+				
	<u>61.3</u>	<u>100.0</u>	<u>29.1</u>	<u>100.0</u>

Other Data:	BA/ac	Average Tree			Average Log		
		DBH	HGT	Gr-BF	Len	Dib	Gr-BF
Young DF	49	9.3"	0.8 logs	37	28'	6"	35
Douglas-fir	<u>15</u>	21.4"	2.0 logs	361	32'	11"	122
	64						

NOTE: The cruised stand is currently chip and saw sized trees (except for the residual merchantable sized trees). There are a lot of small trees which will grow into merchantable size in the next 10-15 years, i.e., 8" in diameter with at least a half log of merchantable size timber. This is considered "**ingrowth**". These trees are not included in the cruised volume at this time because they are too small for a calculated board foot volume. As they grow into merchantable size, at the same time the other trees are getting larger, the stand will appear to have an accelerated growth rate.

In summary, the volume in this stand will increase rapidly over the next 10-15 years due to the combination of continued growth of the merchantable sized trees and the "**ingrowth**". The basal area of the merchantable young trees is currently 49 square feet per acre; there is also 26 square feet per acre of trees which are not merchantable size. Which means that currently only two thirds of the trees are merchantable size (and are part of the cruised volume shown); with one third which will grow "**into**" merchantable size over time.

GIDDINGS PROPERTY

T16S-R2E-Section 27 - ±39.2 acres



- M - CRUISED "CHIP AND SAW" STAND WITH SCATTERED RESIDUALS - 14.5 acres
 - 1 - 15 YEAR OLD CONIFER REPRODUCTION - 6.2 acres
 - 2 - 5 YEAR OLD CONIFER REPRODUCTION - 8.3 acres
- REMAINING ACRES IN TWO RIPARIAN ZONES, HARDWOODS/BRUSH AND ROADS.