

Timber Cruise

Coos Bay Wagon Rd Property
Douglas County, OR

Submitted to: [REDACTED]

by

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Report Description:

This report displays merchantable timber volumes, acreage, and timber types on the Coos Bay Wagon Road Property, as of May 9, 2021.

Timber Assessment

All standing merchantable timber was cruised by Alpenglow Forestry Consulting, LLC in May 2021.

COOS BAY WAGON ROAD PROPERTY TOTAL MERCH TIMBER

SPECIES	VOLUME
DOUGLAS FIR	1446 MBF
INCENSE CEDAR	110 MBF
GRAND FIR	77 MBF
PONDEROSA PINE	21 MBF

Acreage

The Coos Bay Wagon Road property consists of the following:

Merchantable Timber Type 1: 203.1 acres

Non-forested: 20.7 acres

Timber Review

The property appears to have been heavily logged around 30+ years ago. The standing timber consists of a mix of 55+ year old residuals intermixed with 25-40 year old Douglas fir, Ponderosa Pine, Grand fir, and mixed Incense cedar.

The timber density is quite variable. Open areas with no-value hardwoods exist throughout the entire property.

Skid roads exist throughout the property. It can mostly be shovel/cat logged. ~ 15% of the ground may require yarder/yoder logging.

The volumes shown in this cruise were based on variable plot sampling. Plots were evenly spaced throughout the property, but additional plots would be require to achieve a lower sampling error. The current cruise has a 15% +/- sampling error. The accuracy of log volumes, grades, sorts, species, and acreage are based upon the best of the cruiser's ability.

Thanks,

Jared Simmons

Alpenglow Forestry Consulting, LLC

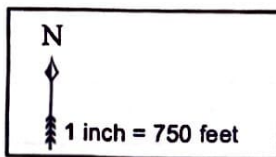
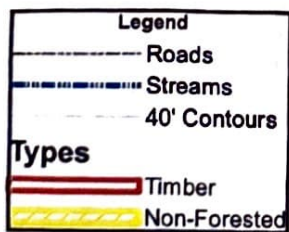
(541)-525-3582

Coos Bay Wagon Road

T27S, R7W, Section 33
T28S, R7W, Section 4



TIMBER TYPES



T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: WAGONRD

Page 1

Date 5/9/2021

Time 3:35:57PM

T28S R07W S04 T0001

Twp

Rge

Sec

Tract

Type

Acres

Plots

Sample Trees

CuFt

T28S R07W S04 T0001

28S

07W

04

WAGON RD

0001

203.14

45

83

1

BdFt

W

Spp	S	So	Gr	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre						
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf							
									5-6	7-11	12-19	20+	16-20	21-30	32-36	37-99											
DF		HI	2M	12	3.2	907	877	178	100				100				34	13	209	1.596	4.2						
DF		3+	2M	4	20.7	395	313	64	100				100				35	14	208	1.897	1.5						
DF		2S	2M	21	5.1	1,563	1,483	301	100				4	69	27	37	13	232	1.668	6.4							
DF		S	3M	36	3.5	2,669	2,576	523	9	91					9	85	6	34	8	87	.811	29.7					
DF		S	4M	27	2.5	1,918	1,870	380	99	1					26	12	60	1	27	5	29	.400	65.4				
DF	Totals			87	4.5	7,451	7,120	1,446	29	33	38					7	7	78	8	30	7	66	.700	107.2			
IC		IC	3M	38	11.5	234	207	42	51 49				100				32	11	129	1.331	1.6						
IC		IC	4M	62	14.8	395	337	68	95	5					59	41					21	5	21	.447	16.3		
IC	Totals			7	13.6	629	543	110	59	22	19					36	26	38					22	6	30	.561	17.9
GF		S	3M	82	4.0	326	313	64	100				100				36	10	119	.904	2.6						
GF		S	4M	18	4.0	67	64	13	100					36	64					24	5	24	.396	2.6			
GF	Totals			5	4.0	393	378	77	17	83					6	11	83					30	8	72	.703	5.3	
PP		S	3M	76	3.0	81	78	16	100				100				34	7	62	.613	1.3						
PP		S	4M	24	3.0	25	24	5	100					100					16	5	19	.277	1.3				
PP	Totals			1	3.0	106	103	21	24	76					24	76				25	6	41	.506	2.5			
Type Totals					5.1	8,579	8,143	1,654	30	36	34					9	9	75	7	29	7	61	.682	132.9			

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	WAGONRD	DATE 5/9/2021				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
28S	07W	04	WAGON RD	0001	203.140	45	170	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
		PLOTS	TREES							
TOTAL		45	170	3.8						
CRUISE		24	79	3.3	21,040	4				
DBH COUNT										
REFOREST										
COUNT		20	86	4.3						
BLANKS		1								
100 %										
STAND SUMMARY										
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR		61	71.8	14.2	48	20.9	78.8	7,451	7,120	2,248
IN CEDAR		9	19.2	11.8	26	4.3	14.7	629	543	223
ORE. OAK		2	2.6	25.0	38	1.8	8.8			
MADRONE		2	6.1	15.9	35	2.1	8.4			
GRANDFIR		3	2.6	14.7	62	0.8	3.1	393	378	111
P PINE		2	1.3	13.9	58	0.4	1.3	106	103	32
TOTAL		79	103.6	14.3	43	30.5	115.1	8,579	8,143	2,613
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL:	68.1 %	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR. %	S.E. %	LOW	AVG	HIGH	5	10	15	
DOUG FIR		82.5	10.7	146	163	181				
IN CEDAR		134.3	47.4	26	50	73				
ORE. OAK										
MADRONE										
GRANDFIR		32.5	22.5	119	154	188				
P PINE		8.3	7.8	76	82	89				
TOTAL		93.5	10.6	124	139	154	349	87	39	
CL:	68.1 %	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR. %	S.E. %	LOW	AVG	HIGH	5	10	15	
DOUG FIR		70.2	9.1	45	50	54				
IN CEDAR		119.1	42.0	11	19	27				
ORE. OAK										
MADRONE										
GRANDFIR		26.0	18.0	36	44	52				
P PINE		2.8	2.6	25	26	26				
TOTAL		81.0	9.2	39	43	47	262	65	29	
CL:	68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR. %	S.E. %	LOW	AVG	HIGH	5	10	15	
DOUG FIR		93.4	13.9	62	72	82				
IN CEDAR		167.6	25.0	14	19	24				
ORE. OAK		231.7	34.5	2	3	3				
MADRONE		291.7	43.4	3	6	9				
GRANDFIR		292.2	43.5	1	3	4				
P PINE		670.8	99.9	0	1	3				
TOTAL		69.2	10.3	93	104	114	191	48	21	
CL:	68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR. %	S.E. %	LOW	AVG	HIGH	5	10	15	
DOUG FIR		96.7	14.4	67	79	90				
IN CEDAR		163.3	24.3	11	15	18				
ORE. OAK		217.5	32.4	6	9	12				
MADRONE		291.7	43.4	5	8	12				

TC TSTATS				STATISTICS				PAGE	2
				PROJECT	WAGONRD			DATE	5/9/2021
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
28S	07W	04	WAGON RD	0001	203.140	45	170	1	W
CL:	68.1 %	COEFF		BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
GRANDFIR		286.2	42.6	2	3	4			
P PINE		670.8	99.9	0	1	3			
TOTAL		63.4	9.4	104	115	126	161	40	18
CL:	68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR		115.3	17.2	5,897	7,120	8,342			
IN CEDAR		174.6	26.0	402	543	684			
ORE. OAK									
MADRONE									
GRANDFIR		286.4	42.7	216	378	539			
P PINE		670.8	99.9	0	103	205			
TOTAL		100.3	14.9	6,926	8,143	9,360	402	101	45
CL:	68.1 %	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR		108.3	16.1	1,885	2,248	2,611			
IN CEDAR		170.7	25.4	166	223	279			
ORE. OAK									
MADRONE									
GRANDFIR		286.0	42.6	63	111	158			
P PINE		670.8	99.9	0	32	64			
TOTAL		93.0	13.9	2,251	2,613	2,975	346	86	38

TC TLOGSTVB

Log Stock Table - MBF

Project: WAGONRD

T28S R07W S04 T0001

T28S R07W S04 T0001

Twp

Rge

Sec

Tract

Type

Acres

Plots

Sample Trees

Page 1

Date 5/9/2021

Time 3:35:57PM

28S

07W

04

WAGON RD

0001

203.14

45

83

Spp	T	S	So	Gr	Log	Len	Gross MBF	% Def	Net MBF	% Spe	Net Volume by Scaling Diameter in Inches											
											2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		HI	2M	32			74	1.0	73	5.0						73						
DF		HI	2M	36			110	4.7	105	7.3						48	57					
DF		3+	2M	32			29	28.8	21	1.4								21				
DF		3+	2M	36			51	16.2	43	3.0						20	23					
DF		2S	2M	30			13	12.0	12	.8						12						
DF		2S	2M	32			26	1.0	25	1.8							25					
DF		2S	2M	36			196	6.3	183	12.7						49	108	26				
DF		2S	2M	40			83	2.6	81	5.6						81						
DF		S	3M	26			14	1.0	14	1.0				14								
DF		S	3M	30			32	1.0	31	2.2				31								
DF		S	3M	32			166	5.4	157	10.9				11	77	70						
DF		S	3M	36			295	2.5	288	19.9				96	58	134						
DF		S	3M	40			35	6.1	33	2.3				6	26							
DF		S	4M	16			67	3.2	65	4.5		45	17	3								
DF		S	4M	20			35	1.0	34	2.4		32	3									
DF		S	4M	26			14	1.0	14	1.0			14									
DF		S	4M	28			15	1.0	15	1.0		15										
DF		S	4M	30			19	1.0	19	1.3		14	5									
DF		S	4M	32			100	1.0	99	6.9		99										
DF		S	4M	34			23	1.0	22	1.6		17	5									
DF		S	4M	36			112	4.9	106	7.3		104	2									
DF		S	4M	40			6	1.0	6	.4		6										
DF		Totals					1,514	4.5	1,446	87.4		331	152	190	230	283	214	47				
IC		IC	3M	32			47	11.5	42	38.1					21	21						
IC		IC	4M	16			10	5.0	9	8.6			9									
IC		IC	4M	20			32	5.0	31	27.7		11	20									
IC		IC	4M	24			25	36.7	16	14.3		16										
IC		IC	4M	26			13	5.0	13	11.3		13										
IC		Totals					128	13.6	110	6.7		39	29		21	21						
GF		S	3M	36			66	4.0	64	82.9			19	45								
GF		S	4M	16			5	4.0	5	6.1			5									
GF		S	4M	30			9	4.0	8	11.0		8										
GF		Totals					80	4.0	77	4.6		8	5	19	45							
PP		S	3M	32			8	3.0	7	35.6			7									
PP		S	3M	36			9	3.0	8	40.7			8									
PP		S	4M	16			5	3.0	5	23.7		5										
PP		Totals					22	3.0	21	1.3		5	8	7								
Total All Species							1,743	5.1	1,654	100.0		384	195	216	296	304	214	47				