



"STAND FOR THE FOREST"

Timber Sale Appraisal
Dodgin' Scoggins

Sale FG-341-2016-44-

District: Forest Grove

Date: September 01, 2015

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,622,296.00	\$16,972.20	\$1,639,268.20
		Project Work:	\$0.00
		Advertised Value:	\$1,639,268.20



"SUSTAINABLE FORESTRY"

Timber Sale Appraisal Dodgin' Scoggins

Sale FG-341-2016-44-

District: Forest Grove

Date: September 01, 2015

Timber Description

Location: Portions of Sections 21, 27, and 28, T1N, R5W, W.M.,
Washington County, Oregon.

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	16	0	98
Alder (Red)	12	0	95

Volume by Grade	2S	3S	4S	Long Poles	Short Poles	Camprun	Total
Douglas - Fir	1,312	1,674	219	500	400	0	4,105
Alder (Red)	0	0	0	0	0	60	60
Total	1,312	1,674	219	500	400	60	4,165

Comments: Pond Values Used: 2nd Quarter Calendar Year 2015.

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:
 $\$179.88/\text{MBF} = \$435/\text{MBF} - \$255.12/\text{MBF}$

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
 $\$1,019.88/\text{MBF} = \$1,275/\text{MBF} - \$255.12/\text{MBF}$

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$780 daily truck cost.

Other Costs (with Profit & Risk to be added):

Brand and Paint: $4,165 \text{ MBF} \times \$2/\text{MBF} = \$8,330$

Non-Project Road (Move In, Construction, and Rocking) = \$3,151

TOTAL Other Costs (with Profit & Risk to be added) = \$11,481

Other Costs (No Profit & Risk added):

Block/Waterbar Roads, & Skid Trails: $20 \text{ hrs} \times \$150/\text{hour} = \$3,000$

Pile Landing Slash and Sort Firewood: $20 \text{ hrs} \times \$150/\text{hour} = \$3,000$

Equipment Cleaning: $3 \times \$1,000/\text{Piece} = \$3,000$

TOTAL Other Costs (No Profit & Risk added) = \$9,000

ROAD MAINTENANCE

Move-in: \$4,000

General Road Maintenance: $6.2 \text{ miles} \times \$1,200/\text{mile} = \$7,440$

TOTAL Road Maintenance: $\$11,440/4,165 \text{ MBF} = \$2.75/\text{MBF}$



Timber Sale Appraisal Dodgin' Scoggins

Sale FG-341-2016-44-

District: Forest Grove

Date: September 01, 2015

Logging Conditions

Combination#: 1 Douglas - Fir 97.00%
 Alder (Red) 97.00%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Stroke Delimber

yarding distance: Medium (800 ft) **downhill yarding:** No

tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF

loads / day: 8 **bd. ft / load:** 4600

cost / mbf: \$163.04

machines: Log Loader (A)
Stroke Delimber (A)
Tower Yarder (Medium)

Combination#: 2 Douglas - Fir 3.00%
 Alder (Red) 3.00%

Logging System: Shovel **Process:** Stroke Delimber

yarding distance: Short (400 ft) **downhill yarding:** No

tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF

loads / day: 12 **bd. ft / load:** 4600

cost / mbf: \$57.46

machines: Stroke Delimber (B)



Timber Sale Appraisal Dodgin' Scoggins

Sale FG-341-2016-44-

District: Forest Grove

Date: September 01, 2015

Logging Costs

Operating Seasons: 1.00	Profit Risk: 10%
Project Costs: \$0.00	Other Costs (P/R): \$11,481.00
Slash Disposal: \$0.00	Other Costs: \$9,000.00

Miles of Road

Road Maintenance: \$2.75

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.5
Alder (Red)	\$0.00	2.0	3.7

Local Pond Values

Date	Specie	Grade	Value
09/01/2015	Douglas - Fir	Long Poles	\$1,075.00
09/01/2015	Douglas - Fir	Short Poles	\$875.00



~~"SUSTAINABLE FORESTRY"~~

Timber Sale Appraisal Dodgin' Scoggins

Sale FG-341-2016-44-

District: Forest Grove

Date: September 01, 2015

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$159.87	\$2.80	\$1.05	\$58.94	\$2.76	\$22.54	\$0.00	\$5.00	\$2.16	\$255.12
Alder (Red)									
\$159.87	\$2.89	\$1.05	\$110.68	\$2.76	\$27.72	\$0.00	\$5.00	\$2.16	\$312.13

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$650.32	\$395.20	\$0.00
Alder (Red)	\$0.00	\$595.00	\$282.87	\$0.00



Timber Sale Appraisal Dodgin' Scoggins

Sale FG-341-2016-44-

District: Forest Grove

Date: September 01, 2015

Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	4,105	\$395.20	\$1,622,296.00
Alder (Red)	60	\$282.87	\$16,972.20

Gross Timber Sale Value

Recovery: \$1,639,268.20

Prepared By: Eric Foucht

Phone: 503-359-7473

TIMBER SALE SUMMARY

Dodgin' Scoggins

Contract No. 341-16-44

1. **Location:** Portions of Sections 21, 27, & 28, T1N, R5W, W.M., Washington County, Oregon.
2. **Type of Sale:** This timber sale is a 91 acre Modified Clearcut. The timber will be sold on a recovery basis at a sealed bid auction.
3. **Revenue Distribution:** 100% BOF, Washington County.
4. **Sale Acreage:** Acres are net of stream buffers and road prisms. Acreage was determined using ESRI ArcMap GIS software.
5. **Cruise:** The Timber Sale was cruised by ODF Cruisers in May. For more information see Cruise Report.
6. **Volume Summary**

SPECIES		Long Pole	Short Pole	2 SAW	3 SAW	4 SAW	CAMP RUN	TOTAL
Douglas-fir	Cruise Volume	510	408	1,339	1,708	223	0	4,188
	Hidden D&B (2%)	(10)	(8)	(27)	(34)	(4)	()	(83)
	NET TOTAL	500	400	1,312	1,674	219	0	4,105
	% of Total	12	10	32	41	5	0	
Red Alder & other Hardwoods	Cruise Volume			0	0	0	61	61
	Hidden D&B (2%)			()	()	()	(1)	(1)
	NET TOTAL			0	0	0	60	60
	% of Total			0	0	0	100	
TOTAL		500	400	1,312	1,674	219	60	4,165

7. **Timber Description:** The Timber Sale Area consists of medium to well stocked 65 year old stand of Douglas-fir. The average "take" Douglas-fir DBH is 16 inches. The estimated average total per acre Douglas-fir volume is 46 MBF. The 2 Saw and 3 Saw grade volumes reported in the cruise tables were reapportioned in the volume summary to show an estimated 22% of the sale's volume as pole grade.
8. **Topography and Logging Method:** Slopes within the sale areas range from 20% to 80% and are generally of western aspect. The Timber Sale Area is 3% ground-based yarding, and 97% cable-based yarding. The average horizontal cable corridor length is approximately 950 feet and the maximum is approximately 1,700 feet. The average horizontal skid trail length will be approximately 350 feet and the maximum is approximately 550 feet. There is an abandoned road within the Timber Sale Area that accesses approximately 20 acres of tractor ground. Should the PURCHASER choose to open this road, it would be available for dry-weather use only.
9. **Access:** All access roads are open, surfaced, all-weather roads. Beginning at the junction of Highways 8 and 47 in Forest Grove, travel south 5.3 miles on Highway 47 to Scoggins Valley Road. Turn left and continue 7.7 miles on the paved portion of the road along the north side of Hagg Lake to where the pavement ends. Continue on the gravel portion 3.7 miles to the gate near the ODF property boundary. Continue through the gate and travel 1.2 miles to a spur on the left. Turn there and continue .6 miles to the east side of the Timber Sale Area.
10. **Projects:** None

**CRUISE REPORT
DODGIN SCOGGINS
341-16-44**

1. LOCATION:

Portions of Sections 21, 27, & 28, T1N, R5W, W.M., Washington County, Oregon.

2. CRUISE DESIGN:

The cruise design assumed a Coefficient of Variation of 60%, an average stand diameter of 17 inches, a desired sampling error of 9% and a minimum sample size of 100 grade trees. Pre-cruise plots indicated that approximately 6 trees per plot could be realized with a 40 BAF prism.

3. SAMPLING METHOD:

The Sale Area was cruised in May, 2015 with 44 variable radius grade plots using a 40 BAF prism. Plots were laid out on a 4 chain x 4 chain grid. Plots falling on or near existing roads or no-harvest areas were offset 1 chain.

4. CRUISE RESULTS

297 trees were measured and graded producing a sampling error of 5.3% on the Douglas-fir Board Foot Volume and a cumulative sampling error of 4.6% on the stand's basal area.

5. TREE MEASUREMENT AND GRADING:

All sample trees were measured and graded following Columbia River Log Scale grade rules and favoring 40 foot segments.

a) **Height Standards:**

Total tree heights were measured to the nearest foot. Bole heights were calculated to a six inch top.

b) **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest inch.

c) **Form Factors** were measured for each grade tree using a form point of 16 feet.

5. DATA PROCESSING

a) **Volumes and Statistics:** Volume estimates and sampling statistics were derived from Super Ace 2008 cruise software

b) **Deductions:** Two percent of the volume was subtracted from the computed volumes to account for hidden defect and breakage.

6. Cruisers: The sale was cruised by ODF cruisers Joe Koch, Mark Savage, and Dax Strubb.

Prepared by:

ODF Forester

Date

Reviewed by:

Eric Foucht

Date

TC PSTATS			PROJECT STATISTICS						PAGE	1		
			PROJECT		DOD FIN		DATE 6/17/2015					
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
01N	05	28	00A1	00MC		91.00	44	297	S	W		
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			44	297	6.8							
CRUISE			44	297	6.8	17,366	1.7					
DBH COUNT												
REFOREST												
COUNT												
BLANKS												
100 %												
STAND SUMMARY												
			SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR-L			4	.4	39.2	163	0.6	3.6	945	861	189	189
DOUG FIR-T			279	174.7	16.3	114	62.8	253.6	46,065	46,022	10,420	10,420
R ALDER-T			11	12.5	12.1	65	2.9	10.0	533	533	197	197
BL MAPLE-T			3	3.2	12.6	66	0.8	2.7	130	130	56	56
TOTAL			297	190.8	16.1	110	67.3	270.0	47,673	47,547	10,862	10,862
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-L			13.5	7.7	1,835	1,988	2,140					
DOUG FIR-T			67.0	4.0	363	378	393					
R ALDER-T			34.6	10.9	40	45	50					
BL MAPLE-T			52.9	36.6	32	50	68					
TOTAL			82.8	4.8	366	384	402	274	68	30		
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-L			8.6	4.9	415	437	458					
DOUG FIR-T			61.9	3.7	82	85	88					
R ALDER-T			40.9	12.9	15	17	20					
BL MAPLE-T			66.9	46.3	12	23	34					
TOTAL			77.4	4.5	83	87	90	239	60	27		
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-L			514.1	77.4	0	0	1					
DOUG FIR-T			58.7	8.8	159	175	190					
R ALDER-T			242.9	36.6	8	13	17					
BL MAPLE-T			464.2	69.9	1	3	5					
TOTAL			48.3	7.3	177	191	205	93	23	10		
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-L			520.7	78.4	1	4	6					
DOUG FIR-T			37.6	5.7	239	254	268					
R ALDER-T			260.6	39.3	6	10	14					
BL MAPLE-T			489.8	73.8	1	3	5					
TOTAL			30.5	4.6	258	270	282	37	9	4		
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-L			507.8	76.5	202	861	1,520					
DOUG FIR-T			33.9	5.1	43,673	46,022	48,372					
R ALDER-T			272.8	41.1	314	533	752					
BL MAPLE-T			517.9	78.0	29	130	231					

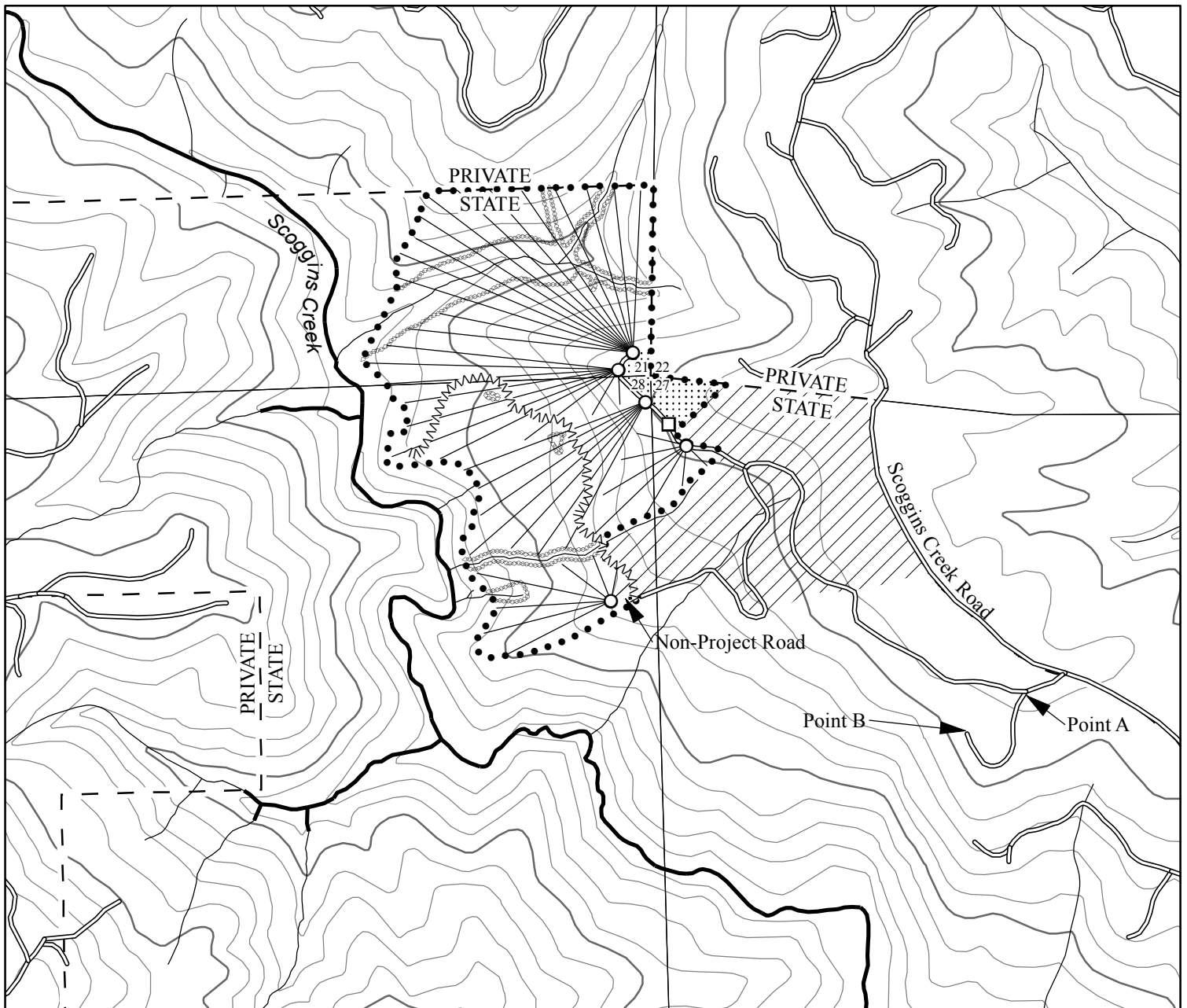
TC PSTATS				PROJECT STATISTICS						PAGE	2
				PROJECT		DOD FIN		DATE	6/17/2015		
TWP	RGE	SC	TRACT	TYPE		ACRES		PLOTS	TREES	CuFt	BdFt
01N	05	28	00A1	00MC		91.00		44	297	S	W
CL	68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.		
SD:	1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15		
TOTAL		30.4	4.6	45,370	47,547	49,723	37	9	4		
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-L		522.2	78.7	40	189	337					
DOUG FIR-T		35.1	5.3	9,869	10,420	10,970					
R ALDER-T		284.2	42.8	113	197	282					
BL MAPLE-T		548.1	82.6	10	56	103					
TOTAL		30.2	4.6	10,367	10,862	11,357	36	9	4		

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																		
<div>T01N R05W S28 Ty00MC91.00</div>				Project: DOD_FIN										Page 1								
				Acres 91.00										Date 6/17/2015								
														Time 3:21:31PM								
Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%GrossNet			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre	
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf		
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99						
DF	T		CU															4	8		0.00	4.9
DF	T		2M	46	.2	21,476	21,442	1,951			81	19				100	40	14	302	1.62	71.0	
DF	T		3M	48	.0	22,138	22,129	2,014		98	2		0	0	9	90	38	8	100	0.61	220.3	
DF	T		4M	6		2,451	2,451	223		100			50	49	1		19	6	21	0.30	114.3	
DF	Totals			97	.1	46,065	46,022	4,188		53	39	9	3	3	4	90	33	9	112	0.77	410.5	
DF	L		2M	97	9.1	919	836	76			9	91				100	40	20	704	3.80	1.2	
DF	L		3M	2		17	17	2		100						100	40	10	150	1.36	.1	
DF	L		4M	1		8	8	1		100			100				14	9	40	0.70	.2	
DF	Totals			2	8.8	945	861	78		3	8	89	1			99	36	18	572	3.43	1.5	
RA	T		R	100		533	533	49		100			13	54	11	23	25	7	43	0.62	12.5	
RA	Totals			1		533	533	49		100			13	54	11	23	25	7	43	0.62	12.5	
BM	T		R	100		130	130	12		100			26		39	35	25	7	41	0.72	3.2	
BM	Totals			0		130	130	12		100			26		39	35	25	7	41	0.72	3.2	
Totals					0.3	47,673	47,547	4,327		52	38	10	3	3	5	89	33	9	111	0.78	427.7	

TC		PLOGSTVB																Log Stock Table - MBF								
T01N R05W S28 Ty00MC					91.00		Project: DOD_FIN				Acres 91.00				Page 1				Date 6/17/2015				Time 3:21:32PM			
Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	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	T		2M	40	1,954		1,951	46.6					695	644	522	76	15									
DF	T		3M	20	5		5	.1				5														
DF	T		3M	28	5		5	.1			3	1														
DF	T		3M	30	2		2	.0				2														
DF	T		3M	32	86		86	2.1			65	21														
DF	T		3M	34	99		99	2.4			54	40	4													
DF	T		3M	36	80		80	1.9			51	25	4													
DF	T		3M	38	48		48	1.2			37	11														
DF	T		3M	40	1,690		1,689	40.3			274	615	768	32												
DF	T		4M	12	28		28	.7			28															
DF	T		4M	14	21		21	.5			21															
DF	T		4M	15	1		1	.0			1															
DF	T		4M	16	17		17	.4			17															
DF	T		4M	18	20		20	.5			20															
DF	T		4M	20	24		24	.6			24															
DF	T		4M	22	28		28	.7			28															
DF	T		4M	24	12		12	.3			12															
DF	T		4M	26	14		14	.3			14															
DF	T		4M	28	20		20	.5			20															
DF	T		4M	30	34		34	.8			34															
DF	T		4M	34	3		3	.1			3															
DF			Totals		4,192		4,188	96.8			708	720	777	727	644	522	76	15								
DF	L		2M	40	84	9.1	76	97.0					7				26	44								
DF	L		3M	40	2		2	2.0					2													
DF	L		4M	12	0		0	.5					0													
DF	L		4M	16	0		0	.5				0														
DF			Totals		86	8.8	78	1.8			0		2	7			26	44								
RA	T		R	14	6		6	12.5			6															
RA	T		R	22	4		4	8.7			4															
RA	T		R	26	7		7	15.1			7															
RA	T		R	28	4		4	8.0				4														
RA	T		R	30	11		11	22.2			11															
RA	T		R	32	5		5	11.1			5															
RA	T		R	36	5		5	9.6			5															
RA	T		R	38	6		6	12.9			6															

TC PLOGSTVB				Log Stock Table - MBF															
<div>T01N R05W S28 Ty00MC91.00</div>				Project: DOD_FIN				Page 2											
				Acres 91.00				Date 6/17/2015											
								Time 3:21:32PM											
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	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+
RA		Totals		49		49	1.1			45	4								
BM	T	R	14	3		3	25.7			3									
BM	T	R	34	5		5	39.3			5									
BM	T	R	40	4		4	35.1			4									
BM		Totals		12		12	.3			12									
Total		All Species		4,338		4,327	100.0			764	724	778	734	644	522	101	59		

TC		PSTNDSUM		Stand Table Summary										Page Date:		1 6/17/2015	
T01N R05W S28 Ty00MC 91.00				Project		DOD_FIN		Time:		3:21:31PM							
				Acres		91.00		Grown Year:									
S Spec T	DBH	Sample Trees	Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals				
			FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF		
DF T	8	1	86	77	2.604	.91	2.60	5.1	30.0	.38	13	78	34	12	7		
DF T	9	4	87	83	8.231	3.64	8.23	9.1	47.5	2.14	75	391	195	68	36		
DF T	10	10	89	95	16.668	9.09	23.34	10.0	47.1	6.62	232	1,100	603	212	100		
DF T	11	7	88	98	9.643	6.36	17.91	10.2	44.6	5.18	182	799	472	166	73		
DF T	12	11	88	96	12.732	10.00	24.31	12.4	54.3	8.62	303	1,320	785	275	120		
DF T	13	12	88	110	11.835	10.91	23.67	16.5	75.0	11.15	391	1,775	1,015	356	162		
DF T	14	16	88	110	13.606	14.55	28.06	19.0	86.1	15.16	532	2,415	1,379	484	220		
DF T	15	20	86	115	14.816	18.18	32.59	21.2	91.8	19.68	691	2,993	1,791	628	272		
DF T	16	21	87	121	13.673	19.09	35.81	21.5	93.6	21.99	771	3,353	2,001	702	305		
DF T	17	18	87	123	10.381	16.36	28.84	23.6	99.4	19.42	681	2,866	1,767	620	261		
DF T	18	24	87	122	12.347	21.82	33.95	27.0	111.4	26.09	916	3,781	2,375	833	344		
DF T	19	21	88	126	9.696	19.09	29.09	28.1	120.0	23.33	819	3,491	2,123	745	318		
DF T	20	32	87	128	13.334	29.09	39.59	32.5	140.4	36.70	1,288	5,559	3,340	1,172	506		
DF T	21	17	87	129	6.425	15.45	19.28	36.4	163.5	19.99	702	3,152	1,819	638	287		
DF T	22	16	87	135	5.510	14.55	16.87	40.3	184.7	19.38	680	3,117	1,764	619	284		
DF T	23	14	88	137	4.411	12.73	13.86	43.9	201.1	17.34	608	2,788	1,578	554	254		
DF T	24	13	86	139	3.762	11.82	11.57	49.2	219.5	16.23	569	2,541	1,477	518	231		
DF T	25	7	86	131	1.867	6.36	5.60	52.9	235.2	8.44	296	1,317	768	270	120		
DF T	26	6	86	139	1.479	5.45	5.18	50.9	234.8	7.51	263	1,216	683	240	111		
DF T	27	2	84	145	.457	1.82	1.60	56.3	258.6	2.57	90	414	234	82	38		
DF T	28	1	89	141	.213	.91	.64	72.7	373.3	1.32	46	238	120	42	22		
DF T	30	1	91	133	.185	.91	.56	80.0	416.7	1.27	44	231	115	40	21		
DF T	31	2	83	148	.347	1.82	1.04	86.6	406.7	2.57	90	423	234	82	39		
DF T	32	2	85	137	.326	1.82	.98	90.0	418.3	2.51	88	409	228	80	37		
DF T	34	1	90	147	.144	.91	.43	110.9	590.0	1.37	48	255	124	44	23		
DF T	Totals	279	87	114	174.693	253.64	405.60	25.7	113.5	296.96	10,420	46,022	27,023	9,482	4,188		
DF L	38	2	82	158	.231	1.82	.69	134.7	628.3	2.66	93	435	242	85	40		
DF L	40	1	78	171	.104	.91	.42	116.4	572.5	1.38	48	239	126	44	22		
DF L	41	1	78	169	.099	.91	.40	118.2	472.5	1.34	47	187	122	43	17		
DF L	Totals	4	80	163	.434	3.64	1.51	125.3	571.8	5.38	189	861	489	172	78		
RAT	10	2	74	56	3.334	1.82	3.33	6.1	20.0	.56	20	67	51	18	6		
RAT	11	1	73	110	1.378	.91	1.38	15.8	50.0	.60	22	69	54	20	6		
RAT	12	2	73	48	2.315	1.82	2.31	13.5	40.0	.86	31	93	78	28	8		
RAT	13	3	73	70	2.959	2.73	2.96	22.3	60.0	1.81	66	178	165	60	16		
RAT	14	3	74	62	2.551	2.73	2.55	22.8	50.0	1.60	58	128	146	53	12		
RAT	Totals	11	73	65	12.536	10.00	12.54	15.7	42.5	5.43	197	533	494	180	49		
BM T	10	1	74	72	1.667	.91	1.67	6.5	20.0	.29	11	33	26	10	3		
BM T	14	1	73	60	.850	.91	.85	25.4	60.0	.57	22	51	52	20	5		
BM T	16	1	73	60	.651	.91	.65	36.9	70.0	.64	24	46	58	22	4		
BM T	Totals	3	74	66	3.168	2.73	3.17	17.8	41.0	1.50	56	130	136	51	12		
Totals		297	86	110	190.832	270.00	422.81	25.7	112.5	309.26	10,862	47,547	28,142	9,884	4,327		



Legend

- Timber Sale Boundary
- Roads
- www Legacy Road
- - New Construction
- Type F Stream
- Type N Stream
- ▨ Posted Stream Buffer Boundary
- Cable Landing
- Tractor Landing
- ▨ Cable Yarding Area
- ▨ Tractor Yarding Area
- /// Reforested Area
- ┌ ┐ ODF Property Boundary
- ▭ Section Line
- 400 Foot Contour Band
- 80 Foot Contour Band

LOGGING PLAN

FOR TIMBER SALE CONTRACT # 341-16-44
DODGIN SCOGGINS
PORTIONS OF SECTIONS 21, 27, & 28, T1N, R5W, W.M.,
WASHINGTON COUNTY, OREGON

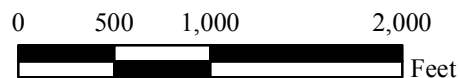
Forest Grove District GIS
June, 2015

This product is for informational use and may not be
suitable for legal, engineering, or surveying purposes.



1:12,000

1 inch = 1,000 feet



APPROXIMATE NET ACRES

TRACTOR	CABLE
3	88