



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Cost Summary Osweg Alder Sale 341-06-07

District: Astoria

Date: 10/5/05

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$44,760.90	\$81,278.74	\$126,039.64
		Project Work	\$0.00
		Advertised Value	\$126,039.64



Timber Sale Appraisal Timber Description Osweg Alder Sale 341-06-07

"STEWARDSHIP IN FORESTRY"

District: Astoria

Location: Portions of Section 33, T5N, R7W, W.M., Clatsop County, Oregon.

Date: 10/5/05

Stand Stocking: 60%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	20	0	98
Western Hemlock / Fir	22	0	97
Alder (Red)	13	0	95
Maple	16	0	95

Volume by Grade	Douglas - Fir	Western Hemlock / Fir	Alder (Red)	Maple	Total
2S	74	32	30	12	148
3S	25	12	52	0	89
4S	2	3	174	21	200
Total	101	47	256	33	437

Comments: Pond Values Used: 3rd Quarter 2005.

Western Red Cedar Price = Pond Value - Logging Cost
 $\$580.37 = \$815.00 - \$234.63$

Log Markets: Garibaldi, Longview, Tillamook, Clatskanie, Forest Grove, Warrenton

Costs with P&R:

100% branding and painting: $\$1/\text{MBF} \times 437 \text{ MBF} = \$437.$

TOTAL Cost w/ P&R = \$437

Costs without P&R:

Site prep slash piling in Area 1: $45 \text{ hours} \times \$120/\text{hr}$

+ \$945 (1 mobilization) = \$6,345.00.

Increased Fuel Costs - $\$9/\text{MBF} \times 437 \text{ MBF} = \$3,933$

TOTAL Non-P&R Costs: \$10,278.00



Timber Sale Appraisal Logging Conditions Osweg Alder Sale 341-06-07

"STEWARDSHIP IN FORESTRY"

Combination#: 1	Douglas - Fir	100.00%	
	Western Hemlock / Fir	100.00%	
	Alder (Red)	100.00%	
	Maple	100.00%	
Yarding Distance:	Medium (800 ft)		Downhill Yarding: No
Logging System:	Shovel		Process: Manual Delimiting
Tree Size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
Loads/Day:	5		Bd. Ft./Load: 3,500
Cost/MBF:	\$147.41		
Machines:	Shovel Logger		



Timber Sale Appraisal Logging Costs Osweg Alder Sale 341-06-07

"STEWARDSHIP IN FORESTRY"

Date: 10/5/05

Operating Seasons: 1.0

Profit & Risk: 13%

Project Costs: \$0

Other Costs (P/R): \$437

Slash Disposal: \$0

Other Costs: \$10,278

Miles of Road			
Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Road Maintenance: \$6.99

Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
Douglas - Fir	\$0.00	3.0	5.0
Western Hemlock / Fir	\$0.00	2.0	4.0
Alder (Red)	\$0.00	2.0	3.5
Maple	\$0.00	2.0	3.0



Timber Sale Appraisal

Logging Costs Breakdown

Osweg Alder

Sale 341-06-07

"STEWARDSHIP IN FORESTRY"

Costs	Douglas - Fir	Western Hemlock / Fir	Alder (Red)	Maple
Logging	147.41	147.41	147.41	147.41
Road Maintenance	7.13	7.21	7.36	7.36
Fire Protection	6.20	6.20	6.20	6.20
Hauling	31.28	59.28	69.16	80.84
Other (P/R appl.)	1.00	1.00	1.00	1.00
Profit & Risk	25.09	28.74	30.05	31.57
Slash Disposal	0.00	0.00	0.00	0.00
Scaling	2.00	2.00	2.00	2.00
Other	23.52	23.52	23.52	23.52
Total	243.63	275.36	286.70	299.90

Amortization	0.00	0.00	0.00	0.00
Pond Value	633.66	389.57	579.69	490.00
Stumpage	390.03	114.21	292.99	190.10
Amortized	0.00	0.00	0.00	0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Summary Osweg Alder Sale 341-06-07

Amortized

	Douglas - Fir	Western Hemlock / Fir	Alder (Red)	Maple
MBF	0.00	0.00	0.00	0.00
Value	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00

Unamortized

	Douglas - Fir	Western Hemlock / Fir	Alder (Red)	Maple
MBF	101.00	47.00	256.00	33.00
Value	390.03	114.21	292.99	190.10
Total	39,393.03	5,367.87	75,005.44	6,273.30

Gross Timber Sale Value

Recovery \$126,039.64

Prepared by: David Wolfgram

Date: 10/5/05

District: Astoria

Phone: (503) 325-5451

Road Maintenance Cost Summary

Sale: Osweg Alder
 Date: 10-Mar-05
 By: David Wolfram

MBF: 437
 \$\$/MBF: \$6.99

Type	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost	Production Rates			
							Production Rates	Miles/day	Distance(miles)	Days
Final Road Maintenance ODF (2 mi.)	Grader 14G	\$570	1	12	\$84	\$1,578				
	Dump Truck 12CY x 2	\$119	1	8	\$59	\$591	Grader	1.5	2.1	1
	FE Loader C966	\$570	1	4	\$79	\$886				
Total							\$3,055			

*Final Road Maintenance Only

TIMBER CRUISE REPORT
Osweg Alder
FY 2005

1. **Sale Area Location:** Area 1, is located in Portions of Section 33, T5N, R7W, W.M., Clatsop County, Oregon.
2. **Fund Distribution:** BOF 100%
 Tax Code 8-02 (100%)

3. **Sale Acreage by Area:**

Area	Treatment	Gross Acres	Existing R/W	New R/W	Non-Forested	Net Acres	Survey Method
1	Modified Clearcut	34	0	0	3	31	GIS

4. **Cruisers and Cruise Dates:** Area 1 was cruised by Lanny Freeman and David Wolfgram, in January and February, 2005.

5. **Cruise Method and Computation:**

AREA 1 is a modified clearcut unit and was variable plot cruised using a 20 BAF. These plots are located on a 2 chain by 4 chain grid, with every third plot measured and graded. A total of 38 plots were sampled with 12 measured and graded plots and 26 count plots. Western redcedar is a reserve species. The cruise used Corvallis MicroTechnology (CMT) data collectors, and were downloaded to the Atterbury Super A.C.E. program in District for computing. See the attached Cruise Design for more details on the cruise method. The cruise calculations were processed in the Astoria district office.

<u>AREA</u>	<u>CRUISE</u>	<u>CRUISE TYPE</u>
1	Modified clearcut	05N07W SEC33 TYPE:TAKE

6. **Timber Description:**

Area 1 is a modified clearcut unit, approximately 55 years old, consisting of red alder, and Douglas-fir, with a minor component of western hemlock, noble fir, and maple. The red alder averages 12.9 inches DBH, with an average height of 34 feet to a merchantable top (8 inches d.i.b.). The Douglas-fir averages 20 inches DBH, with an average height of 76 feet to a merchantable top (7 inches d.i.b.). The average volume per acre to be harvested (net) is 14.1 MBF.

7. **Statistical Analysis and Stand Summary:** (See "Statistics" - Type Reports, attached)

Statistics for Stand B.F. volumes

Area	Estimated CV	Target SE%	Actual CV	Actual SE%
1	50%	12%	61.8%	10%

8. Volumes by Species and Log Grade: (See "Species, Sort, Grade - Type and Project Reports, attached, of the sale area).

Volumes by Species and Grade for Sale Area: (MBF) Volumes do not include "in-growth."

Species	DBH	Net Vol.	2 Saw	3Saw	4 Saw	D & B	% Sale
Red Alder	13"	256	30	52	174	1.1	59
Douglas-fir	20"	101	74	25	2	0.8	23
Maple	16"	33	12	0	21	0	8
Noble fir	25"	15	13	1	1	0	3
Western hemlock	18"	32	19	11	2	2.0	7
TOTALS		437	148	89	200		

9. Approvals:

Prepared by: David Wolfgram Date: February 24, 2005

^{AW} Reviewed by: *Jon Long* Date: 2-24-05

- 10. Attachments:**
- Cruise Design
 - Cruise Map
 - Volume Reports
 - Statistics Report
 - Log Stock Table

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Osweg Alder Area(s) 1

Harvest Type: CC PC CT "Automark Thinning" (circle one)

Approx. Cruise Acres: 31.28 Estimated CV% 50 Net BF or BA/Acre SE% Objective 12 Net BF or BA/Acre

Planned Sale Volume: 630 MBF Estimated Sale Area Value/Acre: \$6714

A. **Cruise Goals:** (a) Grade minimum 15 conifer and 50 hardwood trees:
Determine log grades for sale value; X Determine snag and leave tree species and sizes; Determine LWD (down wood) cubic feet and decay classes; Determine "diameter limit" harvest parameters;

B. Cruise Design:

1. **Plot Cruises:** BAF 20 (Full point) Half point (circle one)
Fixed Plot Size Plot Radius feet
Cruise Line Direction(s) E-W
Cruise Line Spacing 4 (chains) (feet)
Cruise Plot Spacing 2 (chains) (feet)
Grade/Count Ratio 2:1 1:2

2. **ITS (Sample Tree) Cruises:** Measure-grade ratios: D-fir Hemlock
Spruce True Fir Cedar Hardwood

C. Tree Measurements:

1. **Diameter:** Minimum DBH to cruise is 9 " for conifers and 10 " for hardwoods. Record dbh to nearest 1/2" for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.

2. **Bole Length:** Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.

3. **Top Cruise Diameter (TCD):** Minimum top outside bark is 7 " or 40% of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.

4. **Form Factors:** (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.

5. **Tree Segments:** Record log segments in "standard" log lengths in general use, such as 32' and 40' lengths, whenever possible. Do not record odd segments just to

maximize grade. Cull segments can be any length. For conifers, minimum merchantable segment length is 12'; for hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each merch. segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree.

- 6. Species, Sort, and Grade Codes:** A. Species: Record as D (Douglas-fir); H (Western hemlock); S (Sitka Spruce); C (Western red cedar); NF (Noble fir); SF (Silver fir); A (Red alder); M (Bigleaf maple). For "leave trees" in partial cuts, or for marked "wildlife trees," add an "L" to the species code (such as DL, HL, CL, etc.)
B. Sort: Use code "1" (Domestic).
C. Grade: A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; R = Camp Run; 0 = Cull

7. Deductions: Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.

8. Standard Field Procedures: Plot Type Cruises: Mark cruise line beginning and end points with blue/yellow flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie yellow flagging above eye level near plot center and another yellow flagging around a sturdy wooden stake marking plot center. On each yellow flagging, write the plot identification number. Between plots, along the cruise line, tie blue flagging at intervisible points, not to exceed 100' apart. On "measure/grade" plots write the tree number and/or tree diameter on at least the first measured tree (clockwise from the line direction) in yellow paint. All trees on the plot may be marked this way, if the cruiser chooses.

ITS and 100% Cruises: Mark cruise "strips" with various colored flagging (not pink). Mark trees measured and graded with yellow paint.

9. Cruising Equipment: Relaskop Rangefinder Logger's Tape (with dbh on back)
Biltmore Stick Compass Cruise Cards in Tatum OR Data Recorder
Cruise Design Cruise Map Yellow Flagging Blue Flagging

10. Attachments: A. Cruise Map (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

B. Data Recorder Instructions

C. Other

Cruise Design by: David Wolfgram
Approved by: Jon Long
Date: 1-18-05

CRUISE MAP

EXHIBIT "A"
OF TIMBER SALE CONTRACT NO. 341-05-90
OSWEG ALDER
PORTIONS OF SECTION 33
OF T5N, R7W, W.M.,
CLATSOP COUNTY, OREGON

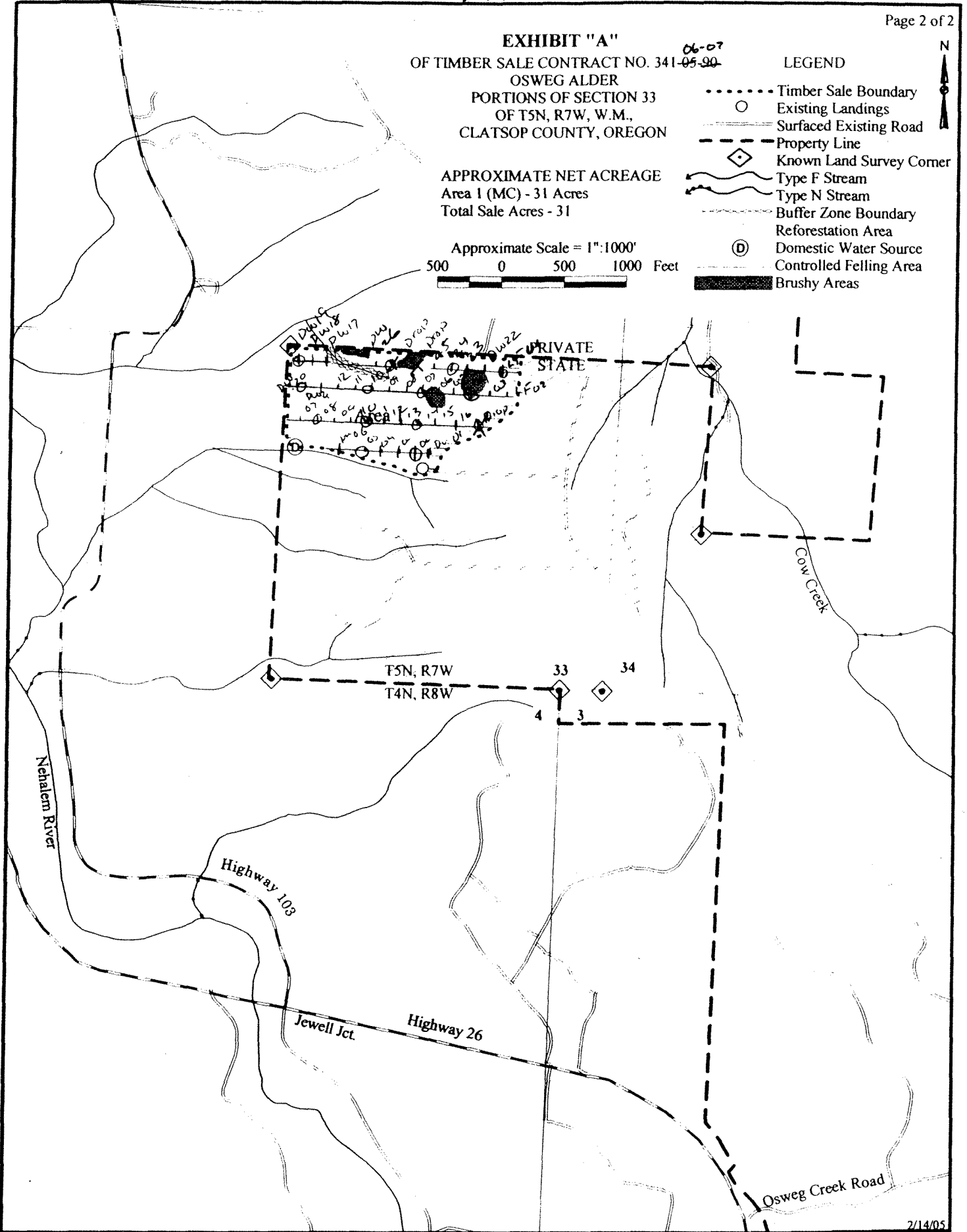
06-07

LEGEND

- Timber Sale Boundary
- Existing Landings
- Surfaced Existing Road
- - - Property Line
- ◇ Known Land Survey Corner
- ~ Type F Stream
- ~ Type N Stream
- Buffer Zone Boundary
- Reforestation Area
- Ⓧ Domestic Water Source
- Controlled Felling Area
- Brushy Areas

APPROXIMATE NET ACREAGE
Area 1 (MC) - 31 Acres
Total Sale Acres - 31

Approximate Scale = 1"=1000'
500 0 500 1000 Feet



T05N R07W S33 TTAKE

T05N R07W S33 TTAKE

Twp Rge Sec Tract
05N 07W 33 AREA1

Type Acre Plots Sample Trees
TAKE 31.00 38 89

CuFt BdFt
1 W

Spp	S T	So rt	Gr ad	% 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	Bd Ft		CF/ Lf
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99				
A	?	?														9		0.00	11.7	
A	?	2S		12	3.2	994	962	30			82	18	16	31	42	10	28	178	1.69	5.4
A	?	3S		20	3.0	1,739	1,687	52		39	41	20	11	20	38	31	29	159	1.50	10.6
A	?	4S		68	.1	5,628	5,623	174		100	0		14	21	30	35	29	46	0.56	122.1
A	Totals			59	1.1	8,361	8,272	256		76	18	6	14	22	33	31	27	55	0.66	149.8
M	DO	2S		35		375	375	12			100		100				20	140	1.50	2.7
M	?	4S		65		705	705	22		100			56		44		26	45	0.82	15.7
M	Totals			8		1,080	1,080	33		65	35		71		29		25	59	0.90	18.4
D	?	?															14		0.00	1.9
D	?	2S		73	1.0	2,402	2,377	74			64	36			37	63	36	319	1.99	7.5
D	?	3S		25		818	818	25		100					43	57	36	92	0.79	8.9
D	?	4S		2		61	61	2	30	70			70		30		23	25	0.51	2.5
D	Totals			23	.8	3,281	3,256	101	1	26	47	26	1		38	60	33	157	1.22	20.7
H	?	2S		61	2.4	640	625	19			65	35			85	15	33	305	2.22	2.0
H	?	3S		35	1.7	365	359	11		100			4		62	34	32	69	0.77	5.2
H	?	4S		5		47	47	1		100					100		40	60	0.67	.8
H	Totals			7	2.0	1,053	1,031	32		39	39	21	2		73	25	33	128	1.12	8.1
NF	?	2S		93		435	435	13			40	60			20	80	36	361	2.26	1.2
NF	?	3S		5		25	25	1		100				34	66		25	41	0.69	.6
NF	?	4S		2		9	9	0		100			100				16	60	1.00	.2
NF	Totals			3		470	470	15		7	37	55	4		22	74	31	238	1.82	2.0
Type Totals					1.0	14,244	14,109	437	0	59	28	13	14	13	34	39	28	71	0.78	198.9

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT OSWEGALD				DATE 2/23/2005		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
05N	07W	33	AREA1	TAKE	31.00	38	272	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL	38	272	7.2							
CRUISE	12	89	7.4		4,910		1.8			
DBH COUNT										
REFOREST										
COUNT	26	183	7.0							
BLANKS										
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
R ALDER	58	128.2	12.9	34		117.0	8,361	8,272	2,703	2,703
BL MAPLE	5	15.7	16.2	31		22.5	1,080	1,080	417	417
DOUG FIR	13	9.1	20.3	76		20.6	3,281	3,256	821	821
WHEMLOCK	10	4.6	18.3	60		8.4	1,053	1,031	301	301
NOB FIR	3	.8	25.1	82	1	2.6	470	470	111	111
TOTAL	89	158.4	14.1	37		171.1	14,244	14,109	4,353	4,353
	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD: 1	VAR.	S.E.%	LOW	AVG	HIGH	7	10	12		
R ALDER	161.6	17.1	61	74	87					
BL MAPLE	498.3	52.8	2	4	6					
DOUG FIR	299.3	31.7	48	70	93					
WHEMLOCK	380.7	40.4	21	36	50					
NOB FIR	604.6	64.1	9	24	39					
TOTAL	124.4	13.2	181	208	236	316	155	108		
	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1	VAR.	S.E.%	LOW	AVG	HIGH	7	10	12		
R ALDER	74.8	12.1	113	128	144					
BL MAPLE	156.2	25.3	12	16	20					
DOUG FIR	194.0	31.5	6	9	12					
WHEMLOCK	357.8	58.0	2	5	7					
NOB FIR	438.9	71.2	0	1	1					
TOTAL	58.5	9.5	143	158	173	70	34	24		
	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1	VAR.	S.E.%	LOW	AVG	HIGH	7	10	12		
R ALDER	67.9	11.0	104	117	130					
BL MAPLE	155.7	25.3	17	22	28					
DOUG FIR	187.1	30.4	14	21	27					
WHEMLOCK	352.0	57.1	4	8	13					
NOB FIR	438.9	71.2	1	3	5					
TOTAL	51.1	8.3	157	171	185	53	26	18		
	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1	VAR.	S.E.%	LOW	AVG	HIGH	7	10	12		
R ALDER	65.7	10.7	7,391	8,272	9,153					
BL MAPLE	156.3	25.4	806	1,080	1,353					
DOUG FIR	184.3	29.9	2,282	3,256	4,229					
WHEMLOCK	349.0	56.6	447	1,031	1,615					
NOB FIR	438.9	71.2	135	470	804					
TOTAL	61.8	10.0	12,694	14,109	15,524	78	38	27		

Log Stock Table - MBF
Project: OSWEGALD

T05N R07W S33 TTAKE

T05N R07W S33 TTAKI

Twp 05N **Rge** 07W **Sec** 33 **Tract** AREA1 **Type** TAKE **Acres** 31.00 **Plots** 38 **Sample Trees** 89

Page 1
Date 2/23/2005
Time 1:51:10PM

S SppT	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+
A	DO	CU																	
A	DO	CU	3																
A	DO	CU	4																
A	?	?	6																
A	DO	CU	20																
A	?	2S	20	5		5	1.9					5							
A	?	2S	28	5		5	1.8					5							
A	?	2S	30	5		5	1.8					5							
A	DO	2S	32	7		7	2.8						7						
A	?	2S	34	6	15.4	5	2.1							5					
A	?	2S	40	3		3	1.2						3						
A	?	3S	16	2		2	.6						2						
A	DO	3S	20	4		4	1.7				4								
A	?	3S	30	11		11	4.2				5				6				
A	?	3S	32	15	3.6	15	5.8				11				4				
A	?	3S	34	6	18.3	5	1.8									5			
A	?	3S	36	4		4	1.5					4							
A	?	3S	40	12		12	4.8						7		5				
A	?	4S	16	7		7	2.6			6	0								
A	?	4S	18	3		3	1.2			3									
A	?	4S	20	15		15	5.8			14	1								
A	?	4S	24	26		26	10.1			26									
A	?	4S	30	11		11	4.2			6		5							
A	?	4S	32	45		45	17.4			36	8								
A	?	4S	34	8	2.2	7	2.9			7									
A	?	4S	36	17		17	6.7			15	2								
A	?	4S	40	44		44	17.0			39	4								
A	Totals			259	1.1	256	58.6			153	20	21	23	14	20	5			
M	DO	2S	20	12		12	34.7							12					
M	?	4S	20	12		12	36.4			2	10								
M	?	4S	36	3		3	10.1			3									
M	?	4S	40	6		6	18.8			6									
M	Totals			33		33	7.7			12	10			12					
D	?	?																	
D	?	?	20																
D	?	2S	32	27		27	27.0					10	3	9	6				
D	?	2S	40	47	1.6	46	46.0					5	12	22	8				
D	?	3S	32	9		9	8.8			1	3		4						
D	DO	3S	34	2		2	1.9			2									
D	DO	3S	36	1		1	1.2			1									
D	?	3S	40	13		13	13.2			3	2	8							
D	?	4S	18	1		1	.5				1								
D	?	4S	20	1		1	.8			1									
D	DO	4S	32	1		1	.6				1								
D	Totals			102		101	23.1			1	8	6	13	14	15	31	13		
H	?	2S	32	17	2.8	17	51.7						8	5	4				
H	?	2S	40	3		3	8.9							3					

Log Stock Table - MBF
Project: OSWEGALD

T05N R07W S33 TTAKE

T05N R07W S33 TTAKI

Twp Rge Sec Tract Type Acres Plots Sample Trees
05N 07W 33 AREA1 TAKE 31.00 38 89

Page 2
Date 2/23/2005
Time 1:51:10PM

S Spp	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
H	?	3S	16	0		0	1.5			0								
H	?	3S	32	7	2.7	7	21.4			1	4	2						
H	?	3S	36	1		1	2.2			1								
H	?	3S	40	3		3	9.6			3								
H	?	4S	40	1		1	4.6			1								
H	Totals			33	2.0	32	7.3			6	4	2		8	8	4		
NF	?	2S	32	3		3	18.9					1		1				
NF	?	2S	36	3		3	18.4							3				
NF	?	2S	40	8		8	55.4								4	4		
NF	?	3S	16	0		0	1.8				0							
NF	?	3S	32	1		1	3.5			1								
NF	?	4S	16	0		0	2.0					0						
NF	Totals			15		15	3.3			1	0	0	1	4	4	4		
Total All Species				442		437	100.0			1	181	39	36	39	53	63	26	

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-06-07
OSWEG ALDER
PORTIONS OF SECTION 33
OF T5N, R7W, W.M.,
CLATSOP COUNTY, OREGON

APPROXIMATE NET ACREAGE
Area 1 (MC) - 31 Acres
Total Sale Acres - 31

Approximate Scale = 1"=1000'
500 0 500 1000 Feet

LEGEND

- Timber Sale Boundary
- Existing Landings
- Surfac'd Existing Road
- - - Property Line
- ◇ Known Land Survey Corner
- ~ Type F Stream
- ~ Type N Stream
- ◇◇◇◇ Buffer Zone Boundary
- /// Reforestation Area
- T Tractor Logging
- D Domestic Water Source
- Controlled Felling Area
- Brushy Areas
- Gate

