



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Paradise Pole
Sale 341-10-27

District: Astoria

Date: June 04, 2009

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$598,007.98	\$13,601.28	\$611,609.26
		Project Work:	\$(7,595.00)
		Advertised Value:	\$604,014.26



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timber description

Location: Located in Portions of Sections 1, 2, 11, and 12, T5N, R6W, W.M., Clatsop County, Oregon.

Stand Stocking: 60%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	20	0	98
Western Hemlock / Fir	19	0	96
Alder (Red)	13	0	95
Poles / Pilings - DF	20	0	99

Volume by Grade	2S	3S	4S	Camprun	Poles / P	Total
Douglas - Fir	2,475	604	120	0	0	3,199
Western Hemlock / Fir	102	60	3	0	0	165
Alder (Red)	0	0	0	66	0	66
Poles / Pilings - DF	0	0	0	0	67	67
Total	2,577	664	123	66	67	3,497



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comments: Pond Values Used: 1st Quarter Calendar Year 2009 + Local Pond Values.

Anticipated Log Markets:

Saw Logs: Mist, Clatskanie, Tillamook, Forest Grove.

Long Poles: Sheridan and Eugene, OR and Shelton, WA.

Local Pond Value Definitions:

Poles/Piling DF = Douglas-fir Poles/Piling (Long Poles)

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost
 $\$564.29/\text{MBF} = \$720/\text{MBF} - \$155.71/\text{MBF}$

Logging/Hauling Cost:

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$700 daily truck cost.

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

100% Branding and Painting: $\$1/\text{MBF} \times 3,497 \text{ MBF} = \$3,497$

Line Pulling in Area 1: $5\text{hrs} \times \$25/\text{hr} = \125 .

TOTAL Other Costs (with Profit & Risk to be added) = \$3,622

Other Costs (No Profit & Risk added):

Excavator Slash Piling: $33 \text{ hours} \times \$120/\text{hr.} = \$3,960$

Excavator move-in: \$945

Waterbar and block dirt road segments after harvest:

$22 \text{ Sta.} \times \$13.85/\text{sta. waterbar \& block} = \305

TOTAL Other Costs (No Profit & Risk added) = \$5,210



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logging conditions

combination#: 1	Douglas - Fir	100.00%	
	Western Hemlock / Fir	100.00%	
	Alder (Red)	100.00%	
	Poles / Pilings - DF	100.00%	
yarding distance:	Medium (800 ft)	downhill yarding:	No
logging system:	Track Skidder	Process:	Manual Falling/Delimiting
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
loads / day:	12.0	bd. ft / load:	4,500
cost / mbf:	\$63.71		
machines:	Log Loader (B) Track Skidder		



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logging costs

Operating Seasons:	2.00	Profit Risk:	12.00%
Project Costs:	\$7,595.00	Other Costs (P/R):	\$3,740.00
Slash Disposal:	\$0.00	Other Costs:	\$5,210.00

Miles of Road

Road Maintenance: \$3.88

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
Western Hemlock / Fir	\$0.00	3.0	3.5
Alder (Red)	\$0.00	2.0	3.0
Poles / Pilings - DF	\$0.00	1.0	6.0

Local Pond Values

Date	Specie	Grade	Value
6/4/09	Poles / Pilings - DF	Poles / Pilings	\$610.00



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logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$63.71	\$3.96	\$2.51	\$47.23	\$1.07	\$14.22	\$0.00	\$5.00	\$1.49	\$139.19
Western Hemlock / Fir									
\$63.71	\$4.04	\$2.51	\$61.90	\$1.07	\$15.99	\$0.00	\$5.00	\$1.49	\$155.71
Alder (Red)									
\$63.71	\$4.07	\$2.51	\$109.38	\$1.07	\$21.69	\$0.00	\$5.00	\$1.49	\$208.92
Poles / Pilings - DF									
\$63.71	\$3.92	\$2.51	\$105.21	\$1.07	\$21.17	\$0.00	\$5.00	\$1.49	\$204.08

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$312.55	\$173.36	\$0.00
Western Hemlock / Fir	\$0.00	\$254.09	\$98.38	\$0.00
Alder (Red)	\$0.00	\$415.00	\$206.08	\$0.00
Poles / Pilings - DF	\$0.00	\$610.00	\$405.92	\$0.00



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Paradise Pole
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District: Astoria

Date: June 04, 2009

summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00
Poles / Pilings - DF	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	3,199	\$173.36	\$554,578.64
Western Hemlock / Fir	165	\$98.38	\$16,232.70
Alder (Red)	66	\$206.08	\$13,601.28
Poles / Pilings - DF	67	\$405.92	\$27,196.64

Gross Timber Sale Value

Recovery: \$611,609.26

Prepared by: Derek Bangs

Phone: 503-325-5451

SUMMARY OF ALL PROJECT COSTS

SALE NAME: Paradise Pole

NEW CONSTRUCTION:

	<u>Road segment</u>	<u>Length/Sta</u>	<u>Cost</u>
Project No. 1			
New Construction 1A to 1B, 1C-1D, and 2A-2B (Dirt Roads)		<u>22.00</u>	<u>\$4,480</u>
TOTALS		<u>22.00</u>	<u>\$4,480</u>

ROAD IMPROVEMENT:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Cost</u>
TOTALS	<u>0.00</u>	<u>\$0</u>

SPECIAL PROJECTS:

MOVE IN:

<u>Equipment</u>	<u>Cost</u>
Dozer (D8) x 1	<u>\$1,220</u>
Grader (14G)	<u>\$675</u>
Excavator (C330) x 1	<u>\$1,220</u>
TOTAL	<u>\$3,115</u>

GRAND TOTAL \$7,595

Compiled By: D.Bangs *RL* Date: 04/28/2009

Project No. 1 New Construction

SUMMARY OF CONSTRUCTION COSTS

SALE NAME: Paradise Pole (Unsurfaced)
 ROAD: 1A-1B (12.4), 1C-1D (3.8), 2A-2B (5.8),

NEW CONSTRUCTION: 22.00 STATIONS
 IMPROVEMENT: STATIONS

0.42 MILES
 0.00 MILES

CLEARING & GRUBBING	Method	Acres/amount	x	Rate	=	Cost
Scatter Outside of RW		1.0	x	\$1,161.00	=	\$1,161.00
						\$1,161

EXCAVATION	Material	Sta/amount	x	Rate	=	Cost
Common (Drift Earth up to 200')	\$\$/sta.	10.00	x	\$165.00	=	\$1,650.00
Landing Construction	\$\$/landing	3	x	\$338.00	=	\$1,014.00
Points 1B, 1D, 2B						
						\$2,664

CULVERT MATERIALS AND INSTALLATION	Location	Dia/type	Lineal ft.	Rate	Cost	No. bands	Rate	Cost
Other/miscellaneous:	Grade 14' outslope						Quantity	Cost
	Waterbar and block						22.00	\$15.93
							22.00	\$13.85
								\$655
								\$4,480

SUB TOTAL FOR EXCAVATION \$2,664

SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION \$655

Subtotal \$4,480

TIMBER CRUISE REPORT
Paradise Pole
FY 2009

1. **Sale Area Location:** Areas are located in Portions of Sections 1, 2, 11, and 12 of T5N, R6W, W.M., Clatsop County, Oregon.
2. **Fund Distribution:** BOF 100%
Tax Code 8-01 (100%)
3. **Sale Acreage by Area:**

Area	Treatment	Gross Acres	New R/W	Stream Buffer	Net Acres	Survey Method
1	Modified Clearcut	42.0	0	0.0	42.0	GIS
2	Modified Clearcut	25.5	1	0.5	24.0	GIS
3	Right-of-Way	1.0	0	0	1.0	
TOTALS		71.0	1	0.5	67.0	

4. **Cruisers and Cruise Dates:** Sale was cruised by Jasen McCoy, Tamara Dowell, and Derek Bangs in February 2009.

5. Cruise Method and Computation:

A total 66 acres were variable plot cruised using a 54.4 BAF. Each area was cruised separately.

Area 1: A total of 22 plots were sampled, with 8 measured and graded plots and 14 count plots. These plots are located on a 4 by 4.5 chain grid. Plots were graded on a 1:2 ratio.

Area 2: A total of 26 plots were sampled, with 12 measured and graded plots and 14 count plots. These plots are located on a 3 by 3 chain grid. Plots were graded on a 1:1 ratio.

Pole quality timber was estimated based on ocular estimate taken at random plots within the stand to generate an estimate of the percentage of poles within the stand. This percentage was applied against the Douglas-fir volume in Areas 1 and 2 to estimate the total amount of pole volume. All cedars are reserve species, and were recorded as "leave" trees. Wildlife trees and cedar were not included in the net volume.

Area 3 In-Sale R/W The right-of-way volume within the harvest areas was calculated by multiplying the R/W acreage and the average volume per acre from the plots in Area 2. In-sale right-of-way totals 1 acre.

All cruisers 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.

AREA	CRUISE	TRACT	TYPE
1	06N06W SEC 3	AREA1	00CC
2	06N06W SEC 12	AREA2	00CC
3	06N06W SEC 12	RIGHTOFWAY	R/W

6. Timber Description:

Areas 1 and 2 are approximately 70 to 85 years old, consisting of good quality Douglas-fir mixed with some hemlock and pockets of red alder. The average Douglas-fir tree size to be harvested is 20.1 inches DBH, with an average height of 75 feet to a merchantable top (6 inch d.i.b.). The average hemlock tree size to be harvested is 18.5 inches DBH and 74 feet to a merchantable top. The average red alder tree to be harvested is 12.7 inches DBH and 48 feet to a merchantable top. The average volume per acre to be harvested (net) is 52.1 MBF. Estimated pole volume is 1.0 MBF/acre

TIMBER CRUISE REPORT
Paradise Pole

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

Statistics for Net B.F. Volumes

Area	Estimated CV	Target SE%	Actual CV	Actual SE%
1	50%	10%	43.1%	9.4%
2	50%	10%	46.4%	9.3%

8. Volumes by Species and Log Grade: (See "Species, Sort, Grade - Type and Project Reports, Volumes by Species and Grade for All Sale Areas: (MBF) Volumes do not include "in-growth.")

Total Stand Volume – Areas 1 and 2

Species	DBH	Net Vol.	2 Saw	3Saw	4 Saw	Camp Run	Poles	% D & B	% Sale
Douglas-fir	20"	3,199	2,475	604	120	0	0	1%	93
Long Poles	20"	67	0	0	0	0	67	<1%	1
Alder	13"	66	0	0	0	66	0	<1%	1
Hemlock/true-Fir	19"	165	102	60	3	0	0	2%	5
TOTALS		3,497	2,577	664	123	66	67		

9. Approvals:

Prepared by: Derek Bangs

Date: April 27, 2009

Unit Forester Approval: 

Date: 6/2/09

10. Attachments:

- Cruise Design - 4 pages
- Cruise Map - 1 page
- Volume Reports - 4 pages
- Statistics Reports - 4 pages
- Log Stock Tables - 2 pages
- Stand Table Summary - 1 page

X:\Jewell_Unit\Timber Sales\2009\Paradise Poles\Sale Prep\Cruise Report.doc

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Paradise East **Area** 1

Harvest Type: (MC) "Modified Clear Cut"

Approx. Cruise Acres: 42 **Estimated CV%** 50 Net BF **SE% Objective** 10 Net BF

Planned Sale Volume : 1,125 MBF **Estimated Sale Area Value/Acre:** \$14,500 /Ac
(Area 5) (45 MBF/Ac.)

A. Cruise Goals: (a) Grade minimum 50 conifer:
(b) Sample 22 cruise plots (7 grade/ 15 count); (c) Other goals (X Determine "automark" thinning standards; X Determine log grades for sale value; X Determine snag and leave tree species and sizes.

B. Cruise Design:

1. Plot Cruises: BAF 54 (Full point)

Cruise Lines 1-10 Direction(s) AZ=90°/270° (East/West)

Cruise Line Spacing 4.5 (chains)

Cruise Plot Spacing 4 (chains)

Grade/Count Ratio 1/2

If a cruise line ends up paralleling in a buffer offset by 1 chain and continue. All cedar are leave trees. Grade and record all Wildlife trees in plots. Record snags as SN and take heights and diameters. Grade alder as camprun-sawlogs (20 net BF minimum). Special mill logs are present in stands, cruisers should reference log scaling specifications for grading. Reference Section 6 below for entry grade codes.

C. Tree Measurements:

- 1. Diameter:** Minimum DBH to cruise is 8" for conifers and 10" for hardwoods. Record dbh to nearest $\frac{1}{2}$ " 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" for conifers and 7" for hardwoods 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; 0 = Cull R = Camprun

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 inter-visible 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.

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, Yellow Paint.

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.

Cruise Design by: Derek Bangs

Approved by: _____

Date: 06/02/08

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Paradise East Area 2

Harvest Type: (CC) "Modified Clear Cut"

Approx. Cruise Acres: 25 Estimated CV% 50 Net BF SE% Objective 10 Net BF

Planned Sale Volume : 1,125 MBF Estimated Sale Area Value/Acre: \$14,500 /Ac
(Area 2) (45 MBF/Ac.)

A. **Cruise Goals:** (a) Grade minimum 50 conifer:
(b) Sample 27 cruise plots (13 grade/ 14 count); (c) Other goals (X Determine
"automark" thinning standards; X Determine log grades for sale value; X
Determine snag and leave tree species and sizes.

B. Cruise Design:

1. Plot Cruises: BAF 54 (Full point)

Cruise Lines 1-10 Direction(s) AZ=90°/270° (East/West)

Cruise Line Spacing 3 (chains)

Cruise Plot Spacing 3 (chains)

Grade/Count Ratio 1/1

If a cruise line ends up paralleling in a buffer offset by 1 chain and continue. All cedar are leave trees. Grade and record all Wildlife trees in plots. Record snags as SN and take heights and diameters. Grade alder as camprun-sawlogs (20 net BF minimum). Special mill logs are present in stands, cruisers should reference log scaling specifications for grading. Reference Section 6 below for entry grade codes.

C. Tree Measurements:

1. Diameter: Minimum DBH to cruise is 8" for conifers and 10" for hardwoods.

Record dbh to nearest $\frac{1}{2}$ " 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" for conifers and 7" for hardwoods 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.

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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, Yellow Paint.

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.

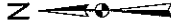
Cruise Design by: Lanny Freeman

Approved by: _____

Date: 06/02/08

Cruise Map

OF TIMBER SALE CONTRACT NO. 341-10-27
 PARADISE POLE
 PORTIONS OF SECTIONS 1, 2, 11, AND
 12, T5N, R6W, W.M.,
 CLATSOP COUNTY, OR
 Approximate Scale = 1":1,000"
 500 250 0 500 1,000 Feet

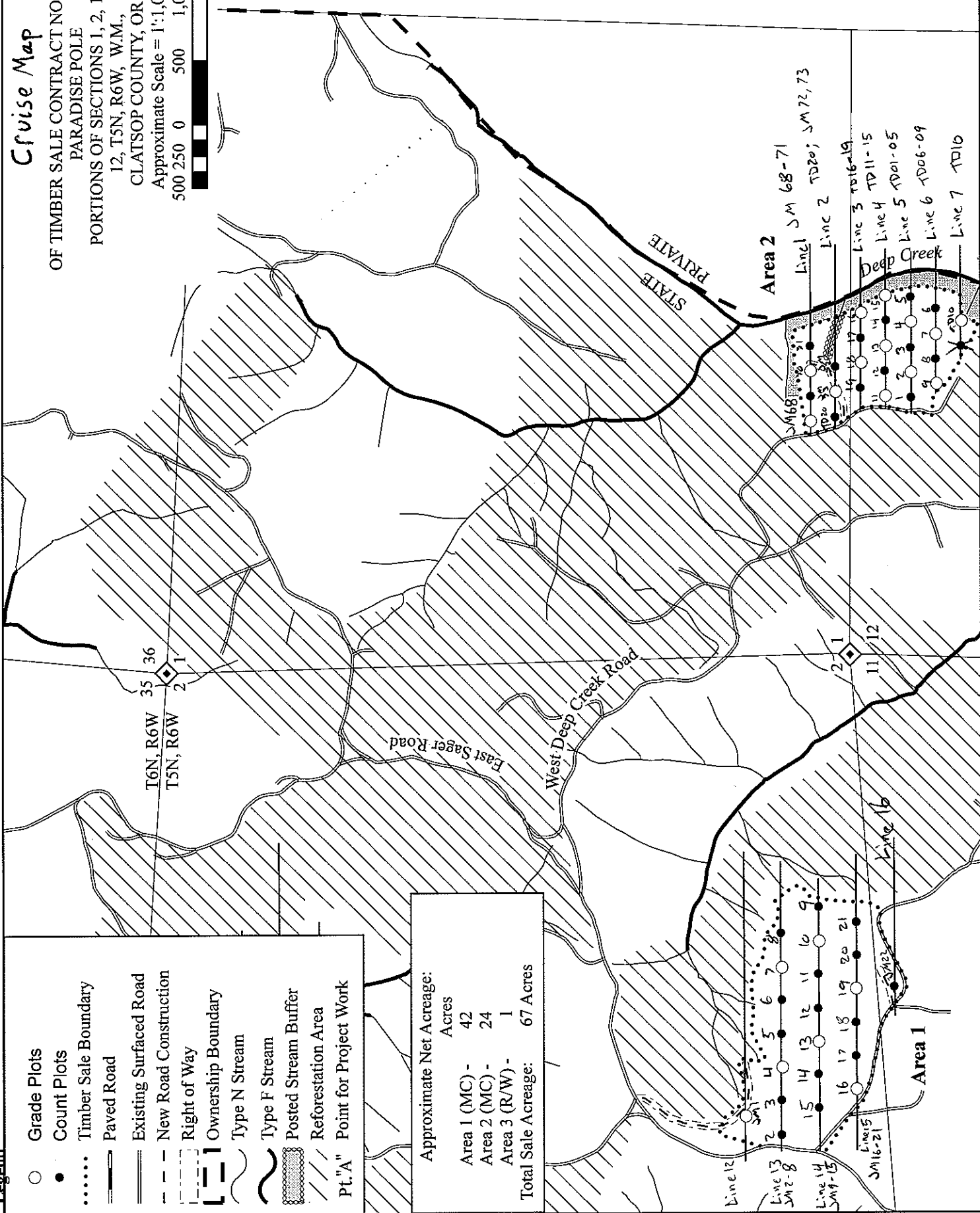


Legend

- Grade Plots
- Count Plots
- Timber Sale Boundary
- Paved Road
- Existing Surfaced Road
- - - New Road Construction
- - - Right of Way
- [---] Ownership Boundary
- ~ Type N Stream
- ~ Type F Stream
- [---] Posted Stream Buffer
- [---] Reforestation Area
- Pt. "A" Point for Project Work

Approximate Net Acreage:

Area	Acres
Area 1 (MC)	42
Area 2 (MC)	24
Area 3 (R/W)	1
Total Sale Acreage:	67 Acres



Species, Sort Grade - Board Foot Volumes (Project)

T06N R06W S03 Ty00CC	42.00	Project: POLE	Page 1
T06N R06W S12 Ty00CC	24.00		
T06N R06W S12 TyR/W	1.00		
		Acres 67.00	Date 4/29/2009
			Time 1:41:35PM

S Spp	So Gr T rt ad	% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log			Logs Per /Acre	
							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					
D	DOCU														5		0.00	16.7	
D	DO2S	77	.3	38,061	37,938	2,542		4	33	63	1	2	24	73	37	409	2.25	92.7	
D	DO3S	19	.2	9,030	9,012	604			89	8	3	1	8	40	34	99	0.83	91.5	
D	DO4S	4		1,794	1,794	120		7	93						25	43	0.53	41.4	
D Totals		93	.3	48,884	48,744	3,266		0	23	27	50	2	4	27	66	31	201	1.42	242.3
H	DOCU														21		0.00	2.4	
H	DO2S	62	2.3	1,562	1,527	102				37	63			27	73	38	343	2.07	4.5
H	DO3S	36		892	892	60		100					8	27	65	36	89	0.77	10.0
H	DO4S	2		37	37	3		100			100				20	20	0.35	1.9	
H Totals		5	1.4	2,491	2,456	165		38	23	39	2	3	26	69	33	131	1.04	18.8	
A	DOCR	100		988	988	66		100			5	8	23	63	27	58	0.63	16.9	
A Totals		2		988	988	66		100			5	8	23	63	27	58	0.63	16.9	
Totals			0.3	52,364	52,188	3,497		0	25	26	49	2	4	27	67	31	188	1.35	278.0

T06N R06W S03 T00CC T06N R06W S03 T00CC
 Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt BdFt
 06N 06W 03 AREA1 00CC 42.00 22 33 1 W

Spp	Sp	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											
D	DO	CU																								
D	DO	2S	79	40,856	40,856	1,716			3	30	67		1	3	20	76	37	422	2.28							96.9
D	DO	3S	17	8,981	8,981	377			96	4			1	8	43	47	33	98	0.84							91.5
D	DO	4S	4	1,811	1,811	76			11	89				20	21	59	26	47	0.57							38.9
D	Totals		97	51,649	51,649	2,169			0	22	25	53		2	4	25	68	31	204	1.46						252.9
A	DO	CR	100	1,333	1,333	56								6	9	28	57	25	58	0.64						23.0
A	Totals		3	1,333	1,333	56								6	9	28	57	25	58	0.64						23.0
H	DO	CU																10		0.00						1.4
H	DO	3S	100	56	56	2										100		30	40	0.73						1.4
H	Totals		0	56	56	2										100		20	20	0.55						2.8
Type Totals				53,038	53,038	2,228			0	24	24	51		2	5	25	68	30	190	1.39						278.7

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)								Page 1											
		Project:		POLE		Date		4/29/2009		Time		1:42:13PM									
T06N R06W S12 T00CC										T06N R06W S12 T00CC											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
06N	06W	12	AREA2	00CC	24.00	26	53	1	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	Bd Ft	CF/ Lf		
D	DO	CU							4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
D	DO	2S		75	1.0	33,364	33,035	793		5	39	56		1		32	67	37	385	2.20	85.8
D	DO	3S		20	.5	9,112	9,064	218		77	14	9		0	9	35	56	35	99	0.82	91.5
D	DO	4S		5		1,764	1,764	42		100				5	67	28		23	39	0.46	45.6
D	Totals			86	.9	44,240	43,863	1,053		24	32	44		1	4	32	62	33	195	1.35	224.6
H	DO	CU																28		0.00	4.1
H	DO	2S		63	2.3	4,187	4,092	98			37	63				27	73	38	343	2.07	11.9
H	DO	3S		35		2,296	2,296	55		100					4	28	68	36	94	0.77	24.5
H	DO	4S		2		100	100	2		100			100					20	20	0.35	5.0
H	Totals			13	1.4	6,583	6,488	156		37	23	40		2	1	27	70	34	142	1.07	45.6
A	DO	CR		100		409	409	10		100						100		40	60	0.60	6.8
A	Totals			1		409	409	10		100						100		40	60	0.60	6.8
Type Totals					.9	51,231	50,760	1,218		26	30	43		1	4	31	64	33	183	1.28	277.0

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)								Page 1									
		Project: POLE								Date 4/29/2009									
										Time 1:42:28PM									
T06N R06W S12 TR/W										T06N R06W S12 TR/W									
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt										
06N	06W	12	RIGHTOFWAY	R/W	1.00	26	53	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				
D		DO	CU													6		0.00	1.8
D		DO	2S	75	1.0	33,364	33,035	33	5	39	56	1		32	67	37	385	2.20	85.8
D		DO	3S	20	.5	9,112	9,064	9	77	14	9	0	9	35	56	35	99	0.82	91.5
D		DO	4S	5		1,764	1,764	2	100			5	67	28		23	39	0.46	45.6
D	Totals			86	.9	44,240	43,863	44	24	32	44	1	4	32	62	33	195	1.35	224.6
H		DO	CU													28		0.00	4.1
H		DO	2S	63	2.3	4,187	4,092	4		37	63			27	73	38	343	2.07	11.9
H		DO	3S	35		2,296	2,296	2	100				4	28	68	36	94	0.77	24.5
H		DO	4S	2		100	100	0	100			100				20	20	0.35	5.0
H	Totals			13	1.4	6,583	6,488	6	37	23	40	2	1	27	70	34	142	1.07	45.6
A		DO	CR	100		409	409	0	100					100		40	60	0.60	6.8
A	Totals			1		409	409	0	100					100		40	60	0.60	6.8
Type Totals					.9	51,231	50,760	51	26	30	43	1	4	31	64	33	183	1.28	277.0

TC PSTATS		PROJECT STATISTICS							PAGE	1	
		PROJECT		POLE			DATE		4/29/2009		
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
06N	06	03	AREA1	00CC	67.00	74	361	1	W		
06N	06W	12	AREA2	00CC							
06N	06W	12	RIGHTOFWAY	R/W							
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL		74	361	4.9							
CRUISE		32	139	4.3	8,340	1.7					
DBH COUNT REFOREST COUNT		42	222	5.3							
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		109	106.0	20.1	75		234.7	48,884	48,744	10,822	10,822
WHEMLOCK		25	8.8	18.5	74		16.4	2,491	2,456	637	637
R ALDER		5	9.7	12.7	48		8.5	988	988	293	293
TOTAL		139	124.5	19.6	73		259.6	52,364	52,188	11,751	11,751
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		66.5	6.4	689	735	782					
WHEMLOCK		85.1	17.4	357	432	507					
R ALDER				120	120	120					
TOTAL		73.1	6.2	621	663	704	214	53	24		
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		107.2	12.4	93	106	119					
WHEMLOCK		321.3	37.3	5	9	12					
R ALDER		511.5	59.4	4	10	16					
TOTAL		99.6	11.6	110	124	139	396	99	44		
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		106.0	12.3	206	235	264					
WHEMLOCK		277.1	32.2	11	16	22					
R ALDER		504.2	58.6	4	9	14					
TOTAL		97.2	11.3	230	260	289	377	94	42		
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		108.6	12.6	42,595	48,744	54,892					
WHEMLOCK		324.7	37.7	1,530	2,456	3,382					
R ALDER		575.0	66.8	328	988	1,648					
TOTAL		101.9	11.8	46,009	52,188	58,367	415	104	46		

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	POLE			DATE	4/29/2009	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
06N	06W	03	AREA1	00CC	42.00	22	103	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		22	103	4.7						
CRUISE		8	33	4.1	4,841		.7			
DBH COUNT										
REFOREST										
COUNT		14	70	5.0						
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
DOUG FIR	29	102.4	20.8	79		242.3	51,649	51,649	11,281	11,281
R ALDER	3	11.5	12.6	51		9.9	1,333	1,333	370	370
WHEMLOCK	1	1.4	18.0	42		2.5	56	56	31	31
TOTAL	33	115.3	20.1	76		254.7	53,038	53,038	11,682	11,682
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	69.4	13.1	682	785	888					
R ALDER			180	180	180					
WHEMLOCK										
TOTAL	76.3	13.5	627	724	822	232	58	26		
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	53.9	11.7	90	102	114					
R ALDER	365.5	79.7	2	11	21					
WHEMLOCK	469.0	102.2		1	3					
TOTAL	45.7	10.0	104	115	127	87	22	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	47.9	10.4	217	242	268					
R ALDER	365.5	79.7	2	10	18					
WHEMLOCK	469.0	102.2		2	5					
TOTAL	39.8	8.7	233	255	277	66	17	7		
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	47.7	10.4	46,278	51,649	57,020					
R ALDER	365.5	79.7	271	1,333	2,395					
WHEMLOCK	469.0	102.2		56	113					
TOTAL	43.1	9.4	48,054	53,038	58,022	78	19	9		

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	POLE		DATE	4/29/2009		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
06N	06W	12	AREA2	00CC	24.00	26	129	1	W	
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL		26	129	5.0						
CRUISE		12	53	4.4	3,359	1.6				
DBH COUNT REFOREST COUNT		14	76	5.4						
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	40	112.0	19.1	69		221.8	44,240	43,863	10,050	10,050
WHEMLOCK	12	21.1	18.6	78		39.8	6,583	6,488	1,654	1,654
R ALDER	1	6.8	13.0	41		6.3	409	409	163	163
TOTAL	53	140.0	18.7	69		267.8	51,231	50,760	11,868	11,868
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		65.9	10.4	643	717	792				
WHEMLOCK		83.6	25.2	336	448	561				
R ALDER										
TOTAL		72.3	9.9	580	644	708	209	52	23	
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		61.6	12.3	98	112	126				
WHEMLOCK		201.6	40.3	13	21	30				
R ALDER		282.4	56.5	3	7	11				
TOTAL		59.3	11.9	123	140	157	146	37	16	
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		45.5	9.1	202	222	242				
WHEMLOCK		166.7	33.3	26	40	53				
R ALDER		282.4	56.5	3	6	10				
TOTAL		45.6	9.1	243	268	292	86	22	10	
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		46.2	9.2	39,812	43,863	47,914				
WHEMLOCK		189.7	37.9	4,027	6,488	8,949				
R ALDER		282.4	56.5	178	409	639				
TOTAL		46.4	9.3	46,049	50,760	55,472	90	22	10	

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	POLE	DATE 4/29/2009				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
06N	06W	12	RIGHTOFWAY	R/W	1.00	26	129	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL	26	129	5.0							
CRUISE	12	53	4.4		140		37.9			
DBH COUNT										
REFOREST										
COUNT	14	76	5.4							
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
DOUG FIR	40	112.0	19.1	69		221.8	44,240	43,863	10,050	10,050
WHEMLOCK	12	21.1	18.6	78		39.8	6,583	6,488	1,654	1,654
R ALDER	1	6.8	13.0	41		6.3	409	409	163	163
TOTAL	53	140.0	18.7	69		267.8	51,231	50,760	11,868	11,868
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	65.9	10.4	643	717	792					
WHEMLOCK	83.6	25.2	336	448	561					
R ALDER										
TOTAL	72.3	9.9	580	644	708	209	52	23		
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	61.6	12.3	98	112	126					
WHEMLOCK	201.6	40.3	13	21	30					
R ALDER	282.4	56.5	3	7	11					
TOTAL	59.3	11.9	123	140	157	146	37	16		
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	45.5	9.1	202	222	242					
WHEMLOCK	166.7	33.3	26	40	53					
R ALDER	282.4	56.5	3	6	10					
TOTAL	45.6	9.1	243	268	292	86	22	10		
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	46.2	9.2	39,812	43,863	47,914					
WHEMLOCK	189.7	37.9	4,027	6,488	8,949					
R ALDER	282.4	56.5	178	409	639					
TOTAL	46.4	9.3	46,049	50,760	55,472	90	22	10		

Log Stock Table - MBF

T06N R06W S03 Ty00CC	42.00
T06N R06W S12 Ty00CC	24.00
T06N R06W S12 TyR/W	1.00

Project: POLE
Acres 67.00

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Date 4/30/2009
Time 7:51:18AM

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+
D	DO 2S	12	5		5	.2								5				
D	DO 2S	18	22		22	.7								22				
D	DO 2S	28	50		50	1.5										50		
D	DO 2S	32	602		600	18.4				56	81	60	206	177	20			
D	DO 2S	40	1,870		1,864	57.1				36	162	173	880	388	224			
D	DO 3S	13	1		1	.0			1									
D	DO 3S	14	2		2	.1				2								
D	DO 3S	18	3		3	.1			3									
D	DO 3S	22	2		2	.1					2							
D	DO 3S	24	2		2	.1					2							
D	DO 3S	26	30		30	.9			11	4	15							
D	DO 3S	27	7		7	.2				5	3							
D	DO 3S	28	6		6	.2			2	5								
D	DO 3S	29	2		2	.1				2								
D	DO 3S	31	2		2	.1			2									
D	DO 3S	32	224		223	6.8			52	33	106		11	22				
D	DO 3S	33	3		3	.1				3								
D	DO 3S	35	13		13	.4			9	3								
D	DO 3S	36	10		10	.3					10							
D	DO 3S	37	8	3.1	7	.2				4	4							
D	DO 3S	38	11		11	.3					11							
D	DO 3S	40	278		278	8.5			48	45	150	25		10				
D	DO 4S	9	0		0	.0			0									
D	DO 4S	12	5		5	.1				2	3							
D	DO 4S	16	9		9	.3			9									
D	DO 4S	18	4		4	.1			4									
D	DO 4S	22	2		2	.0				2								
D	DO 4S	23	12		12	.4			12									
D	DO 4S	24	11		11	.3			11									
D	DO 4S	25	2		2	.1					2							
D	DO 4S	26	12		12	.4			12									
D	DO 4S	30	7		7	.2					7							
D	DO 4S	32	57		57	1.7		8	27	9	12							
D	Totals		3,275		3,266	93.4		8	202	121	417	268	244	1146	616	244		
H	DO 2S	32	27		27	16.5					6		21					
H	DO 2S	40	77	3.1	75	45.6					31		19	24				

Log Stock Table - MBF

T06N R06W S03 Ty00CC	42.00
T06N R06W S12 Ty00CC	24.00
T06N R06W S12 TyR/W	1.00

Project: POLE
Acres 67.00

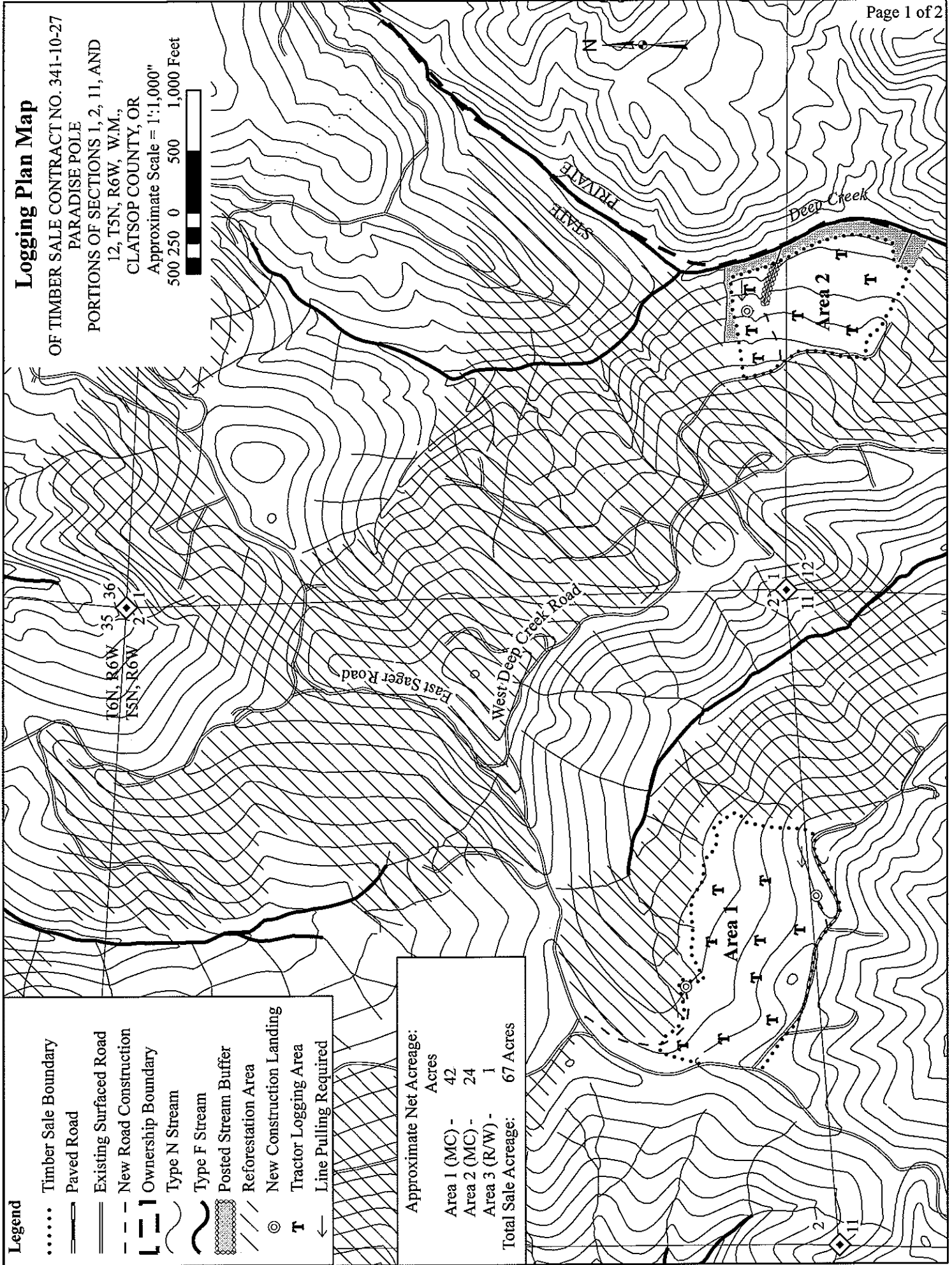
Page 2
Date 4/30/2009
Time 7:51:18AM

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
H	DO	3S	25	2		2	1.4					2					
H	DO	3S	30	2		2	1.4			2							
H	DO	3S	32	13		13	8.1			2	11						
H	DO	3S	35	3		3	1.8			3							
H	DO	3S	36	2		2	1.0				2						
H	DO	3S	40	37		37	22.7			11	2	24					
H	DO	4S	20	3		3	1.5			3							
H	Totals			167	1.4	165	4.7			21	15	26	37		41	24	
A	DO	CR	8	4		4	5.3			4							
A	DO	CR	25	5		5	7.8			5							
A	DO	CR	32	16		16	23.5					16					
A	DO	CR	40	42		42	63.4			10	32						
A	Totals			66		66	1.9			19	32	16					
Total	All Species			3,508		3,497	100.0		8	242	167	459	306	244	1186	640	244

TC PSTNDSUM		Stand Table Summary										Page 1			
												Date: 4/30/2009			
T06N R06W S03 Ty00CC 42.00		Project POLE										Time: 7:51:57AM			
T06N R06W S12 Ty00CC 24.00		Acres 67.00										Grown Year:			
T06N R06W S12 TyR/W 1.00															
S Spc T	Sample DBH	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
D	8	4	96	52	11.854	4.14	11.85	7.5	30.0		89	356		60	24
D	12	1	88	57	6.669	5.24	6.67	17.0	60.0		113	400		76	27
D	13	2	90	63	2.245	2.07	2.24	24.0	70.0		54	157		36	11
D	14	4	88	103	11.735	12.55	18.57	24.7	96.9		459	1,799		307	121
D	15	6	88	89	11.909	14.61	22.13	22.8	86.9		505	1,923		339	129
D	16	4	91	115	2.963	4.14	5.93	31.0	122.5		184	726		123	49
D	17	3	88	87	9.970	15.71	19.94	26.5	95.0		528	1,894		354	127
D	18	4	89	100	2.342	4.14	4.68	35.7	127.5		167	597		112	40
D	19	2	87	111	1.051	2.07	2.10	42.5	155.0		89	326		60	22
D	21	2	88	117	.860	2.07	2.58	36.0	150.0		93	387		62	26
D	22	4	90	129	4.752	12.55	12.27	49.4	221.1		606	2,713		406	182
D	23	12	90	119	7.216	20.82	20.93	46.4	199.1		971	4,168		650	279
D	24	8	87	131	5.310	16.68	15.93	51.6	230.7		822	3,675		551	246
D	25	3	88	129	4.610	15.71	12.29	62.4	265.0		767	3,258		514	218
D	26	12	89	130	5.647	20.82	16.94	61.7	272.8		1,045	4,622		700	310
D	27	3	90	127	1.838	7.31	5.51	66.6	299.9		367	1,653		246	111
D	28	14	89	137	5.353	22.89	16.06	73.9	360.9		1,187	5,795		795	388
D	29	2	92	133	2.284	10.48	6.85	79.2	403.3		542	2,764		363	185
D	30	4	88	137	.843	4.14	2.53	85.2	395.0		215	999		144	67
D	31	3	91	147	2.998	15.71	8.99	94.2	495.6		847	4,457		568	299
D	32	5	90	147	1.679	9.38	5.04	101.2	528.7		510	2,663		341	178
D	33	4	87	156	.697	4.14	2.09	112.8	550.0		236	1,149		158	77
D	34	3	92	148	1.159	7.31	3.48	122.0	650.5		424	2,262		284	152
D	Totals	109	90	103	105.983	234.66	225.62	48.0	216.0		10,822	48,744		7,251	3,266
H	11	2	96	84	1.873	1.24	3.75	12.0	45.0		45	169		30	11
H	16	4	86	109	1.771	2.47	3.54	32.5	120.0		115	425		77	28
H	18	7	88	86	2.976	5.26	5.07	36.8	125.5		186	637		125	43
H	21	2	89	103	.514	1.24									
H	22	2	88	123	.468	1.24	1.40	47.3	210.0		66	295		45	20
H	26	2	86	79	.335	1.24	.67	63.5	265.0		43	178		29	12
H	27	2	86	99	.311	1.24	.62	84.5	325.0		53	202		35	14
H	29	2	89	154	.269	1.24	.81	97.3	460.0		79	372		53	25
H	31	2	82	94	.236	1.24	.47	105.5	380.0		50	179		33	12
H	Totals	25	89	96	8.753	16.38	16.34	39.0	150.3		637	2,456		427	165
A	12	2	86	90	5.263	4.13	10.53	14.5	50.0		153	526		102	35
A	13	2	86	57	2.541	2.34	2.54	24.0	60.0		61	152		41	10
A	14	1	86	92	1.933	2.07	3.87	20.5	80.0		79	309		53	21
A	Totals	5	86	82	9.737	8.54	16.93	17.3	58.4		293	988		196	66
Totals		139	89	101	124.473	259.59	258.89	45.4	201.6		11,751	52,188		7,873	3,497

Logging Plan Map

OF TIMBER SALE CONTRACT NO. 341-10-27
 PARADISE POLE
 PORTIONS OF SECTIONS 1, 2, 11, AND
 12, T5N, R6W, W.M.,
 CLATSOP COUNTY, OR
 Approximate Scale = 1":1,000"
 500 250 0 500 1,000 Feet



Legend

- Timber Sale Boundary
- == Paved Road
- Existing Surfaced Road
- - - New Road Construction
- [] Ownership Boundary
- ~ Type N Stream
- ~ Type F Stream
- [] Posted Stream Buffer
- [] Reforestation Area
- ⊙ New Construction Landing
- T Tractor Logging Area
- ← Line Pulling Required

Approximate Net Acreage:	
	Acres
Area 1 (MC) -	42
Area 2 (MC) -	24
Area 3 (RAW) -	1
Total Sale Acreage:	67 Acres

16N, R6W 35, 36
 T5N, R6W 2, 11

East Sager Road

West Deep Creek Road

PRIVATE

Deep Creek

Area 1

Area 2

2
11

Logging Plan Map

OF TIMBER SALE CONTRACT NO. 341-10-27

PARADISE POLE

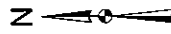
PORTIONS OF SECTIONS 1, 2, 11, AND

12, T5N, R6W, W.M.,

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Area 1 (MC)	42
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Total Sale Acreage:	67 Acres

