



Timber Sale Appraisal  
Coney Island  
Sale 341-12-41

"STEWARDSHIP IN FORESTRY"

District: Astoria

Date: September 06, 2011

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$791,463.46	\$137,405.98	\$928,869.44
		Project Work:	\$(15,750.00)
		Advertised Value:	\$913,119.44



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**timber description**

**Location:** Portions of Section 32, T5N, R6W, and portions of Section 5, T4N, R6W, W.M., Clatsop County, Oregon.

**Stand Stocking:** 60%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	18	0	95
Western Hemlock / Fir	17	0	95
Alder (Red)	17	0	97

Volume by Grade	2S	3S	4S	Camprur	Total
Douglas - Fir	1,939	500	104	0	2,543
Western Hemlock / Fir	35	46	9	0	90
Alder (Red)	0	0	0	421	421
Total	1,974	546	113	421	3,054



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comments: Pond Values Used: 2nd Quarter Calendar Year 2011.

Expected Log Markets: Clatskanie, Tillamook, Longview, Mist, Warrenton

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost  
 $\$745.34/\text{MBF} = \$950.00/\text{MBF} - \$204.66/\text{MBF}$

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$4.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$740 daily truck cost.

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

100% Brand and Paint:  $\$1/\text{MBF} \times 3,054 \text{ MBF} = \$3,054$

Log Loader Slash & Landing Piling (includes Move-In and Pile Materials): = \$7,295 (see attached appraisal)

Machine Washing for Invasive Weed Compliance = \$2,000

Line Pulling in Area 1: 6 hrs x \$25/Hr. = \$150

TOTAL Other Costs (with Profit & Risk to be added) = \$12,499

Other Costs (No Profit & Risk added):

None.



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**logging conditions**

**combination#: 1**

	Douglas - Fir	52.00%	
	Western Hemlock / Fir	52.00%	
	Alder (Red)	52.00%	
<b>yarding distance:</b>	Medium (800 ft)		<b>downhill yarding:</b> No
<b>logging system:</b>	Cable: Large Tower >=70		<b>Process:</b> Stroke Delimber
<b>tree size:</b>	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
<b>loads / day:</b>	8.0		<b>bd. ft / load:</b> 4,000
<b>cost / mbf:</b>	\$119.58		
<b>machines:</b>	Log Loader (A) Stroke Delimber (A) Tower Yarder (Large)		

**combination#: 2**

	Douglas - Fir	48.00%	
	Western Hemlock / Fir	48.00%	
	Alder (Red)	48.00%	
<b>yarding distance:</b>	Medium (800 ft)		<b>downhill yarding:</b> No
<b>logging system:</b>	Shovel		<b>Process:</b> Manual Falling/Delimiting
<b>tree size:</b>	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
<b>loads / day:</b>	7.0		<b>bd. ft / load:</b> 4,000
<b>cost / mbf:</b>	\$89.45		
<b>machines:</b>	Shovel Logger		



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logging costs

Operating Seasons:	2.00	Profit Risk:	12.00%
Project Costs:	\$15,750.00	Other Costs (P/R):	\$12,499.00
Slash Disposal:	\$0.00	Other Costs:	\$0.00

Miles of Road

Road Maintenance: \$7.98

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	4.0
Western Hemlock / Fir	\$0.00	2.0	4.0
Alder (Red)	\$0.00	2.0	3.5



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logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
<b>Douglas - Fir</b>									
\$105.12	\$8.38	\$2.87	\$57.81	\$4.09	\$21.39	\$0.00	\$5.00	\$0.00	\$204.66
<b>Western Hemlock / Fir</b>									
\$105.12	\$8.38	\$2.87	\$86.72	\$4.09	\$24.86	\$0.00	\$5.00	\$0.00	\$237.04
<b>Alder (Red)</b>									
\$105.12	\$8.22	\$2.87	\$97.22	\$4.09	\$26.10	\$0.00	\$5.00	\$0.00	\$248.62

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$509.48	\$304.82	\$0.00
Western Hemlock / Fir	\$0.00	\$418.22	\$181.18	\$0.00
Alder (Red)	\$0.00	\$575.00	\$326.38	\$0.00



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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

**Unamortized**

Specie	MBF	Value	Total
Douglas - Fir	2,543	\$304.82	\$775,157.26
Western Hemlock / Fir	90	\$181.18	\$16,306.20
Alder (Red)	421	\$326.38	\$137,405.98

**Gross Timber Sale Value**

Recovery: \$928,869.44

Prepared by: Bryce Rodgers

Phone: 503-325-5451

**Site Prep Appraisal**

Sale Number: 341-12-41  
 Sale Name: Coney Island  
 Date: 07/19/2011

Vegetation Type/Zone	Vegetation Type/Zone Code	Production Rate (hr/ac)	Estimated Piles/Acre
Doug-fir	A	1.0	3.0
Hemlock/Fir	B	1.5	4.5
Hemlock/Spruce	C	2.0	6.0
Hemlock	D	2.0	6.0
Conifer/Hardwood	E	1.5	4.5

Sale Area	Harvest Type	Veg Type/Zone	Ground Based Yarding Acres	Estimated Piling Hours/Area	Cost/Hour	Total Cost/Area
1	MC	A	5	5	\$110.00	\$550.00
2	MC	A	37	37	\$110.00	\$4,070.00

**Sub Total = \$4,620.00**

Sale Area	Number of Landings to be Piled	Cost/Landing Pile*	Total Cost/Area	Number of In-Unit Piles	Material Cost/Pile	Total Cost/Area
1	3	\$220.00	\$660.00	15	\$5.00	\$75.00
2	2	\$220.00	\$440.00	111	\$5.00	\$555.00

\*Cost includes separating firewood **Sub Total = \$1,730.00**

Move-In Allowance	Number of Move-In's	Total Move-In Allowance
\$945.00	1	\$945.00

**Sub Total = \$945.00**

**Grand Total = \$7,295.00**



Road Maintenance (Harvest) Cost Summary

Sale: Coney Island  
 Date: 08-Jul-11  
 By: B Rodgers FL

MBF: 3,054  
 \$/MBF: \$7.98

Type	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost	Production Rates			
							Production Rates	Miles/day	Distance(miles)	Days
Progressive Operations 1st Entry	Grader 14G	\$675	1	20	\$93	\$2,535	Production Rates			
	Dump Truck 12CY	\$141	1	10	\$73	\$871	Grader	2.5	5.0	2.0
	Backhoe	\$279	1	10	\$72	\$999				
Final Road Maintenance	Grader 14G	\$675	1	70	\$93	\$7,185	Production Rates	Miles/day	Distance(miles)	Days
	Dump Truck 12CY x 2	\$282	2	10	\$73	\$1,742	Grader	1.5	10.0	6.7
	FE Loader C966	\$675	1	10	\$77	\$1,445	Vibratory Roller*	1.5	10.0	6.7
	Vibratory Roller	\$675	1	70	\$72	\$5,715				
	Water Truck 2,500 gallon Labor	\$165	1	40	\$83	\$3,485				
				10	\$38	\$380				
<b>Total</b>										\$24,357

\*Final Road Maintenance Only

**SUMMARY OF ALL PROJECT COSTS**

SALE NAME: Coney Island

**NEW CONSTRUCTION:**

<u>Road segment</u>	<u>Length/Sta</u>	<u>Cost</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
<b>TOTALS</b>	_____	_____

**ROAD IMPROVEMENT:**

<u>Road segment</u>	<u>Length/Sta</u>	<u>Cost</u>
<u>I1 to I2</u>	<u>160.00</u>	<u>\$12,637.00</u>
<u>I2 to I3</u>	<u>9.75</u>	<u>\$315.00</u>
<b>TOTALS</b>	<u>169.75</u>	<u>\$12,952.00</u>

**SPECIAL PROJECTS:**

<u>Description</u>	<u>Cost</u>
_____	_____
_____	_____
_____	_____
<b>TOTAL</b>	_____

**MOVE IN:**

<u>Equipment</u>	<u>Cost</u>
<u>Large Grader (14G)</u>	<u>\$675.00</u>
<u>Vibratory Roller</u>	<u>\$675.00</u>
<u>Dump Truck w/ 20 Tilt Deck Trailer</u>	<u>\$188.00</u>
<u>Backhoe Small 4 x 4 (C580)</u>	<u>\$279.00</u>
<u>Dump Truck 10-12cy</u>	<u>\$141.00</u>
<u>Front End Loader (C966)</u>	<u>\$675.00</u>
<u>Water Truck</u>	<u>\$165.00</u>
<b>TOTAL</b>	<u>\$2,798.00</u>

**GRAND TOTAL** \$15,750.00

Compiled By: B. Rodgers *FL*

Date: 07/07/2011

**SUMMARY OF CONSTRUCTION COSTS**

SALE NAME: Coney Island  
 ROAD: I1 to I2(160.0) I2 to I3(9.75)

NEW CONSTRUCTION: \_\_\_\_\_ STATIONS \_\_\_\_\_ 0.00 MILES  
 IMPROVEMENT: 169.75 STATIONS 3.21 MILES

SURFACING		Description	Stations/ amount	x	Rate/ sta/amt	Cost
Subgrade prep:	I1 to I2	Grade, Shape and Ditch 16' (14G Grader hrs.)	24	x	\$93.00	\$2,232
	I1 to I2	Scatter ditch waste materials/clean culverts	40		\$10.78	\$431
	I2 to I3	Grade, Shape and Ditch 16'	9.75	x	\$21.55	\$210.11
	I2 to I3	Scatter ditch waste materials	9.75	x	\$10.78	\$105.11

ROAD SEGMENT		I1 to I2		POINT TO POINT		I1 to I2		Sta. to Sta		0+00 to 160+00		TOTAL	Rate	Cost	
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	Number of	loads	loads	loads	loads	loads	loads	VOLUME (CY)	Sta/amt	Cost	
Leveling Rock	1 1/2"-0"	Leveling	N/A	load	10	loads	50.00	500	500	500	500	500	\$4.26	\$2,130	
Total Rock for Road Segment:												500		\$2,130	
Processing:		Description				No. sta	Rate/sta	Cost							
I1 to I2		Process & Compact:				160.00	\$49.02	\$7,843							
<b>SUB TOTAL FOR SURFACING</b>												500	500	500	<b>\$12,952</b>

SPECIAL PROJECTS		Description	Cost
<b>SUB TOTAL FOR SPECIAL PROJECTS</b>			<b>\$0</b>

Subtotal of Surfacing & Spec. Proj. \$12,952  
 Subtotal of Clearing, Exc., Culv. \$0

**GRAND TOTAL** **\$12,952**

Compiled By: Bryce Rodgers

Date: 07/07/2011



**Coney Island  
TIMBER CRUISE REPORT  
FY 2012**

1. **Sale Area Location:** Areas 1 and 2 are located in portions of Section 32, T5N, R6W, and portions of Section 5, T4N, 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	Existing R/W	Stream Buffer	Net Acres	Survey Method
1	Modified Clearcut	53.0	1.0	8.0	44.0	GIS
2	Modified Clearcut	48.0	1.0	3.0	44.0	GIS
<b>TOTALS</b>		<b>101.0</b>	<b>2.0</b>	<b>11.0</b>	<b>88.0</b>	

4. **Cruisers and Cruise Dates:** All areas were cruised by Kraig Kirkpatrick, Kevin Berry, Jasen McCoy, and Bryce Rodgers, June 29, 2011.

5. **Cruise Method and Computation:** Areas 1 and 2 are modified clearcut units and were variable plot cruised using a 40 BAF. These plots are located on a 3 chain by 7 chain grid, with every third plot measured and graded. A total of 38 plots were sampled, with 16 measured and graded plots, and 22 count plots. No cedar was cruised in Areas 1 and 2, but will be a reserved species in these two areas.

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	ACRES
1	T4NR6W05	AREA1	TAKE	44
2	T4NR6W05	AREA2	TAKE	44

6. **Timber Description:**

Area 1 is a modified clearcut unit, approximately 62 year-old, consisting of Douglas-fir, and red alder. The average Douglas-fir tree size to be harvested is approximately 18 inches DBH, with an average height of 63 feet to a merchantable top (6 inch d.i.b./40% fp). The average alder tree size is approximately 18.5 inches DBH and 66 feet to a merchantable top (6 inch d.i.b./40%fp). The average volume per acre to be harvested (net) is 34.9 MBF.

Area 2 is a modified clearcut unit, approximately 50 year-old, consisting of Douglas-fir, red alder, western hemlock, and noble fir. The average Douglas-fir tree size to be harvested is approximately 19.4 inches DBH, with an average height of 52 feet to a merchantable top (6 inch d.i.b./40% fp). The average alder tree size is approximately 15.4 inches DBH and 34 feet to a merchantable top (6 inch d.i.b./40%fp). The average hemlock tree size is approximately 17.7 inches DBH and 54 feet to a merchantable top (6 inch d.i.b.). The average volume per acre to be harvested (net) is 34.5 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 (MC)	45%	10%	37.4%	8.6%
2 (MC)	45%	10%	32.3%	7.8%

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

Species	DBH	Net Vol.	2 Saw	3Saw	4 Saw	CampRun	% D & B	% Sale
Douglas-fir	18"	2,543	1,939	500	104		4.8%	83%
Alder	17"	421				421	.1%	14%
Hemlock	17"	67	19	40	8		0%	2%
True-fir	24"	23	16	6	1		0%	1%
<b>TOTALS</b>		<b>3,054</b>	<b>1,974</b>	<b>546</b>	<b>113</b>	<b>421</b>		

**9. Approvals:**

Prepared by: Bryce Rodgers Date: August 05, 2011

Unit Forester Approval: C. R. B. [Signature] Date: 8/10/11

- 10. Attachments:**
- Cruise Designs and Maps - 3 pages
  - Volume Report - 3 pages
  - Statistics Report - 3 pages
  - Log Stock Tables - 2 pages
  - Stand Table Summary - 1 pages

X:\Jewell\_Unit\Timber Sales\2012\Coney\_Island\Sale Prep\CruiseReport.docx

Revised August, 2002

**CRUISE DESIGN  
ASTORIA DISTRICT**

**Sale Name:** Coney Island **Area(s)** 1, and 2

**Harvest Type:** (MC) "Modified Clearcut"

**Approx. Cruise Acres:** 88 **Estimated CV%** 45% Net BF **SE% Objective** 10 Net BF

**Planned Sale Volume :** 2,414 MBF **Estimated Sale Area Value/Acre:** \$16,500/Ac  
(All Sale Areas) (34 MBF/Ac.)

**A. Cruise Goals:** (a) Grade minimum 75 conifer and 25 Alder:  
(b) Sample 44 cruise plots (15 grade/29 count); (c) Other goals (     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 40 (Full point; Half point) (circle one)  
Cruise Line Direction(s) AZ= 90° (West/East)  
Cruise Line Spacing 7 (chains)  
Cruise Plot Spacing 3 (chains)  
Grade/Count Ratio 1/2

If a cruise plot lands in a buffer or road, drop the plot and pace to the next plot. Cedar and marked wildlife trees are leave trees and are recorded as such. Record snags as SN and estimate heights and diameters. Grade alder as camprun-sawlogs (30 net BF minimum).

**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; R = Camprun; 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 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: Bryce Rodgers  
 Approved by: *Jon Long*  
 Date: 06/23/11



# Cruise Map

FY 2012

## Coney Island

Portions of Section 3, T5N, R6W,  
and Section 5, T6N, R6W, W.M.,  
Clatsop County, Oregon

Area 1 (MC) - 44 Acres

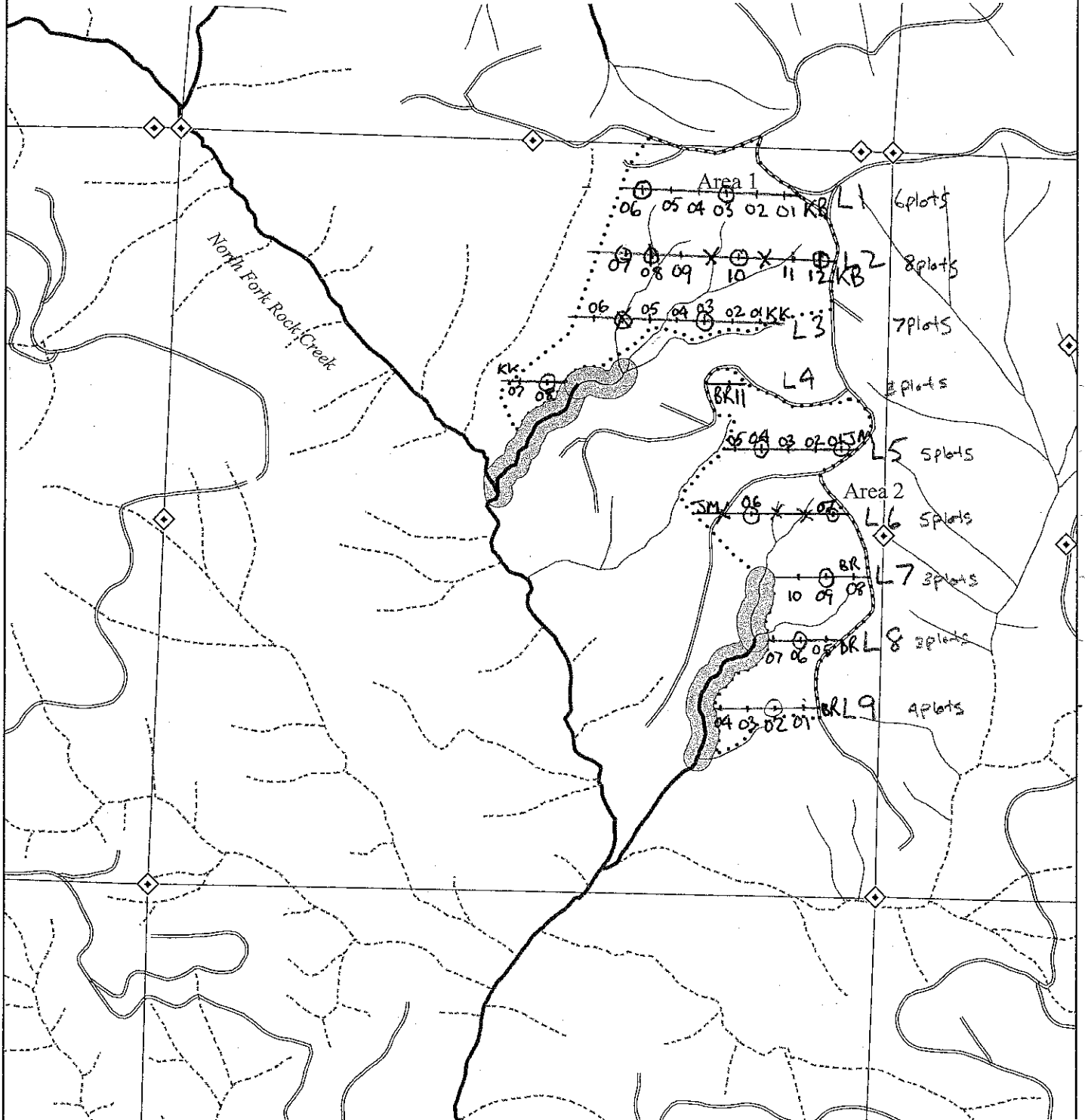
Area 2 (MC) - 44 Acres

Total Sale Acres = 88

0 250 500 1,000 1,500 2,000

Feet

Approximate Scale: 1"=1,000'



Species, Sort Grade - Board Foot Volumes (Project)

T04N R06W S05 TyTAKE	44.00
T04N R06W S05 TyTAKE	44.00

Project: **CONEY**  
Acres **88.00**

Page **1**  
Date **8/5/2011**  
Time **8:33:39AM**

S Spp	So T	Gr rt	ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of 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	DOCU			100.0		1,022											9		0.00	5.2				
D	DO2S			76	1.7	22,408	22,035	1,939					39	61	1	4	17	78	37	399	2.45	55.2		
D	DO3S			19	.9	5,728	5,678	500				91	9	2	7	33	58	35	80	0.72	71.3			
D	DO4S			5		1,186	1,186	104				2	95	3				75	23	2	18	25	0.42	46.7
<b>D Totals</b>				83	4.8	30,344	28,898	2,543	0	22	32	46			4	5	20	71	31	162	1.32	178.5		
A	DOCR			100	.1	4,789	4,783	421				56	35	9	15	5	8	72	32	107	1.05	44.5		
<b>A Totals</b>				14	.1	4,789	4,783	421				56	35	9	15	5	8	72	32	107	1.05	44.5		
H	DO2S			28		220	220	19				100							40	200	1.30	1.1		
H	DO3S			59		454	454	40				100							37	131	1.13	3.5		
H	DO4S			13		95	95	8				100			65	35			18	27	0.54	3.6		
<b>H Totals</b>				2		769	769	67				71	29			8	4	22	65	29	95	1.00	8.1	
NF	DO2S			72		187	187	16					100						40	530	2.52	.4		
NF	DO3S			25		64	64	6				100							40	180	1.32	.4		
NF	DO4S			3		7	7	1				100			100				12	20	0.58	.4		
<b>NF Totals</b>				1		258	258	23				27	73			3		97	31	243	1.75	1.1		
<b>Totals</b>					4.0	36,160	34,708	3,054	0	28	32	40			6	5	18	71	31	149	1.26	232.3		

T04N R06W S05 TTAKE T04N R06W S05 TTAKE  
 Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt BdFt  
 04N 06W 05 AREA1 TAKE 44.00 20 38 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		100.0	658											9	0.00	5.3	
D		DØ	2S	70	2.4	18,772	18,314	806		44	56		2	1	24	72	37	385	2.39	47.6
D		DO	3S	27	.7	7,086	7,033	309	98	2		1	6	39	54	35	75	0.64	93.5	
D		DO	4S	3		638	638	28	100			100				17	21	0.36	29.9	
<b>D</b>	<b>Totals</b>			74	4.3	27,154	25,985	1,143	29	32	39	4	2	28	66	32	147	1.15	176.3	
A		DO	CR	100		8,895	8,895	391	53	37	10	16	3	5	75	31	118	1.10	75.3	
<b>A</b>	<b>Totals</b>			26		8,895	8,895	391	53	37	10	16	3	5	75	31	118	1.10	75.3	
<b>Type Totals</b>					3.2	36,049	34,880	1,535	35	33	32	7	3	22	68	32	139	1.14	251.6	

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)								Page 1											
		Project: CONEY								Date	8/5/2011										
										Time	8:49:33AM										
T04N R06W S05 TTAKE										T04N R06W S05 TTAKE											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
04N	06W	05	AREA2	TAKE	44.00	18	45	I	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		00.0	1,386											9	0.00	5.2		
D		DO	2S	80	1.1	26,045	25,756	1,133		36	64		0	6	13	81	38	410	2.49	62.8	
D		DO	3S	14	1.1	4,370	4,322	190		80	20		5	8	22	65	34	88	0.87	49.2	
D		DO	4S	6		1,733	1,733	76	3	93	5		66	31	3		19	27	0.44	63.6	
<b>D</b>	<b>Totals</b>			92	5.1	33,534	31,812	1,400	0	16	32	52	5	7	14	75	29	176	1.50	180.8	
A		DO	CR	100	1.8	683	670	29		100				28	49	23	33	49	0.74	13.7	
<b>A</b>	<b>Totals</b>			2	1.8	683	670	29		100				28	49	23	33	49	0.74	13.7	
H		DO	2S	28		440	440	19		100					100		40	200	1.30	2.2	
H		DO	3S	59		908	908	40		100					38	62	37	131	1.13	6.9	
H		DO	4S	13		189	189	8		100			65	35			18	27	0.54	7.1	
<b>H</b>	<b>Totals</b>			4		1,538	1,538	68		71	29		8	4	22	65	29	95	1.00	16.2	
NF		DO	2S	72		375	375	16			100				100		40	530	2.52	.7	
NF		DO	3S	25		127	127	6		100					100		40	180	1.32	.7	
NF		DO	4S	3		14	14	1		100			100				12	20	0.58	.7	
<b>NF</b>	<b>Totals</b>			1		516	516	23		27	73		3		97		31	243	1.75	2.1	
<b>Type Totals</b>						4.8	36,271	34,536	1,520	0	20	31	49	5	7	14	74	30	162	1.41	212.9

TC PSTATS		PROJECT STATISTICS							PAGE	1	
		PROJECT CONEY							DATE	8/5/2011	
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
04N	06	05	AREA1	TAKE	88.00	38	234	1	W		
04N	06W	05	AREA2	TAKE							
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL		38	234	6.2							
CRUISE		16	83	5.2	11,415	.7					
DBH COUNT REFOREST COUNT		22	138	6.3							
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		63	99.1	18.8	57		190.9	30,344	28,898	7,382	7,198
R ALDER		15	25.7	17.7	58		43.9	4,789	4,783	1,468	1,468
WHEMLOCK		4	4.6	17.7	54		7.8	769	769	237	237
NOB FIR		1	.4	24.0	96	0	1.1	258	258	57	57
<b>TOTAL</b>		<b>83</b>	<b>129.7</b>	<b>18.6</b>	<b>57</b>		<b>243.7</b>	<b>36,160</b>	<b>34,708</b>	<b>9,144</b>	<b>8,960</b>
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		79.3	10.0	568	631	694					
R ALDER		74.4	19.9	115	143	172					
WHEMLOCK		46.0	26.3	122	165	208					
NOB FIR											
<b>TOTAL</b>		<b>92.7</b>	<b>10.2</b>	<b>469</b>	<b>522</b>	<b>575</b>	<b>343</b>	<b>86</b>	<b>38</b>		
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		69.1	11.2	88	99	110					
R ALDER		171.6	27.8	19	26	33					
WHEMLOCK		273.9	44.4	3	5	7					
NOB FIR		616.4	99.9	0	0	1					
<b>TOTAL</b>		<b>36.9</b>	<b>6.0</b>	<b>122</b>	<b>130</b>	<b>137</b>	<b>55</b>	<b>14</b>	<b>6</b>		
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		53.5	8.7	174	191	207					
R ALDER		173.7	28.1	32	44	56					
WHEMLOCK		278.1	45.1	4	8	11					
NOB FIR		616.4	99.9	0	1	2					
<b>TOTAL</b>		<b>27.4</b>	<b>4.4</b>	<b>233</b>	<b>244</b>	<b>254</b>	<b>30</b>	<b>7</b>	<b>3</b>		
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		54.4	8.8	26,351	28,898	31,446					
R ALDER		189.3	30.7	3,315	4,783	6,250					
WHEMLOCK		271.0	43.9	431	769	1,106					
NOB FIR		616.4	99.9	0	258	516					
<b>TOTAL</b>		<b>34.7</b>	<b>5.6</b>	<b>32,755</b>	<b>34,708</b>	<b>36,661</b>	<b>48</b>	<b>12</b>	<b>5</b>		

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	CONEY			DATE	8/5/2011	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
04N	06W	05	AREA1	TAKE	44.00	20	120	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL	20	120	6.0							
CRUISE	7	38	5.4	5,727			.7			
DBH COUNT										
REFOREST										
COUNT	13	82	6.3							
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	31	92.5	18.0	63		164.0	27,154	25,985	6,590	6,476
R ALDER	7	37.7	18.5	66		70.0	8,895	8,895	2,604	2,604
<b>TOTAL</b>	<b>38</b>	<b>130.2</b>	<b>18.2</b>	<b>64</b>		<b>234.0</b>	<b>36,049</b>	<b>34,880</b>	<b>9,194</b>	<b>9,080</b>
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	79.3	14.2	498	580	663					
R ALDER	21.2	8.6	226	247	269					
<b>TOTAL</b>	<b>83.8</b>	<b>13.6</b>	<b>448</b>	<b>519</b>	<b>589</b>	<b>281</b>	<b>70</b>	<b>31</b>		
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	90.0	20.6	73	92	112					
R ALDER	133.9	30.7	26	38	49					
<b>TOTAL</b>	<b>49.7</b>	<b>11.4</b>	<b>115</b>	<b>130</b>	<b>145</b>	<b>104</b>	<b>26</b>	<b>12</b>		
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	71.2	16.3	137	164	191					
R ALDER	133.5	30.6	49	70	91					
<b>TOTAL</b>	<b>32.5</b>	<b>7.4</b>	<b>217</b>	<b>234</b>	<b>251</b>	<b>44</b>	<b>11</b>	<b>5</b>		
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	72.8	16.7	21,650	25,985	30,320					
R ALDER	133.3	30.6	6,178	8,895	11,613					
<b>TOTAL</b>	<b>37.4</b>	<b>8.6</b>	<b>31,892</b>	<b>34,880</b>	<b>37,869</b>	<b>59</b>	<b>15</b>	<b>7</b>		

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT CONEY				DATE	8/5/2011	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
04N	06W	05	AREA2	TAKE	44.00	18	114	1	W	
				TREES	ESTIMATED		PERCENT			
				PER PLOT	TOTAL		SAMPLE			
					TREES		TREES			
TOTAL	18	114	6.3							
CRUISE	9	45	5.0		5,687		.8			
DBH COUNT										
REFOREST										
COUNT	9	56	6.2							
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	32	105.7	19.4	52		217.8	33,534	31,812	8,175	7,920
R ALDER	8	13.7	15.4	34		17.8	683	670	332	332
WHEMLOCK	4	9.1	17.7	54		15.6	1,538	1,538	474	474
NOB FIR	1	.7	24.0	96	0	2.2	516	516	114	114
<b>TOTAL</b>	<b>45</b>	<b>129.3</b>	<b>19.0</b>	<b>50</b>		<b>253.3</b>	<b>36,271</b>	<b>34,536</b>	<b>9,095</b>	<b>8,840</b>
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	79.3	14.0	585	681	776					
R ALDER	24.4	9.2	48	53	57					
WHEMLOCK	46.0	26.3	122	165	208					
NOB FIR										
<b>TOTAL</b>	<b>100.3</b>	<b>14.9</b>	<b>446</b>	<b>524</b>	<b>603</b>		<b>402</b>	<b>100</b>		<b>45</b>
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	48.2	11.7	93	106	118					
R ALDER	259.4	62.8	5	14	22					
WHEMLOCK	176.2	42.7	5	9	13					
NOB FIR	424.3	102.8		1	1					
<b>TOTAL</b>	<b>19.3</b>	<b>4.7</b>	<b>123</b>	<b>129</b>	<b>135</b>		<b>16</b>	<b>4</b>		<b>2</b>
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	33.5	8.1	200	218	235					
R ALDER	269.8	65.4	6	18	29					
WHEMLOCK	179.4	43.5	9	16	22					
NOB FIR	424.3	102.8		2	5					
<b>TOTAL</b>	<b>19.5</b>	<b>4.7</b>	<b>241</b>	<b>253</b>	<b>265</b>		<b>16</b>	<b>4</b>		<b>2</b>
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	34.3	8.3	29,166	31,812	34,457					
R ALDER	253.7	61.5	258	670	1,082					
WHEMLOCK	174.1	42.2	889	1,538	2,186					
NOB FIR	424.3	102.8		516	1,047					
<b>TOTAL</b>	<b>32.3</b>	<b>7.8</b>	<b>31,835</b>	<b>34,536</b>	<b>37,236</b>		<b>44</b>	<b>11</b>		<b>5</b>

Log Stock Table - MBF

T04N R06W S05 TyTAKE 44.00  
 T04N R06W S05 TyTAKE 44.00

Project: CONEY  
 Acres 88.00

Page 1  
 Date 8/5/2011  
 Time 8:53:06AM

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
D		DO CU	3	1	100.0												
D		DO CU	6	24	100.0												
D		DO CU	10	13	100.0												
D		DO CU	12	29	100.0												
D		DO CU	18	22	100.0												
D		DO 2S	12	11	9.5	10	.4								10		
D		DO 2S	14	3		3	.1				3						
D		DO 2S	16	9		9	.3						9				
D		DO 2S	22	29		29	1.2								29		
D		DO 2S	24	33		33	1.3									33	
D		DO 2S	26	9		9	.4						9				
D		DO 2S	32	352	3.6	339	13.3				57	25	86	67	104		
D		DO 2S	36	12		12	.5					12					
D		DO 2S	40	1,513	1.3	1,494	58.8				242	296	523	314	118		
D		DO 3S	12	2		2	.1					2					
D		DO 3S	18	5		5	.2				2	3					
D		DO 3S	20	4		4	.2					4					
D		DO 3S	22	6		6	.3						3				
D		DO 3S	26	4		4	.1			4							
D		DO 3S	28	10		10	.4			3	6						
D		DO 3S	30	13		13	.5				8	5					
D		DO 3S	32	149		148	5.8			84	5	48	11				
D		DO 3S	34	15		15	.6			15							
D		DO 3S	36	34		34	1.3			14	20						
D		DO 3S	40	261	1.3	257	10.1			108	43	86	20				
D		DO 4S	12	5		5	.2				5						
D		DO 4S	14	4		4	.2			2		2					
D		DO 4S	16	22		22	.9			19	2						
D		DO 4S	18	42		42	1.7			39		4					
D		DO 4S	20	5		5	.2			5							
D		DO 4S	22	18		18	.7			18							
D		DO 4S	30	5		5	.2			5							
D		DO 4S	32	2		2	.1		2								
D		Totals		2,670	4.8	2,543	83.3		2	318	93	144	319	364	628	421	255
A		DO CR	20	65		65	15.3			26				38			
A		DO CR	28	16		16	3.7			16							



Log Stock Table - MBF

T04N R06W S05 TyTAKE	44.00
T04N R06W S05 TyTAKE	44.00

Project: **CONEY**  
Acres **88.00**

Page **2**  
Date **8/5/2011**  
Time **8:53:06AM**

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+	
A		DO CR	30	5		5	1.2			5										
A		DO CR	32	31	1.8	31	7.3			28	3									
A		DO CR	34	4		4	.9			4										
A		DO CR	40	301		301	71.5			7		148	98	48						
A		Totals		421		421	13.8			85	3	148	98	48	38					
H		DO 2S	40	19		19	28.6						19							
H		DO 3S	32	15		15	22.5					15								
H		DO 3S	40	25		25	36.6			5		20								
H		DO 4S	16	5		5	8.0			5										
H		DO 4S	24	3		3	4.3			3										
H		Totals		68		68	2.2			14		35	19							
NF		DO 2S	40	16		16	72.6							16						
NF		DO 3S	40	6		6	24.7					6								
NF		DO 4S	12	1		1	2.7				1									
NF		Totals		23		23	.7				1	6		16						
Total		All Species		3,182	4.0	3,054	100.0			2	416	97	332	436	413	683	421	255		

**Stand Table Summary**














T04N R06W S05 TyTAKE 44.00  
T04N R06W S05 TyTAKE 44.00

Project **CONEY**  
Acres **88.00**

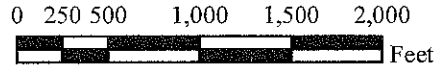
Time: **8:55:17AM**  
Grown Year:

S Spec 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	1	92	37	9.748	3.40	9.75	5.0	20.0		49	195		43	17
D	9	1	88	20	7.702	3.40	7.70	5.0	20.0		39	154		34	14
D	10	2	87	65	9.700	5.29	9.70	12.0	50.0		116	485		102	43
D	11	3	85	71	13.172	8.69	17.18	11.9	44.7		205	767		180	68
D	12	2	86	83	6.736	5.29	10.10	15.0	50.0		152	505		133	44
D	13	1	86	95	2.870	2.65	5.74	16.0	55.0		92	316		81	28
D	14	1	82	45	3.183	3.40	3.18	19.0	50.0		60	159		53	14
D	17	1	89	82	2.159	3.40	4.32	26.0	90.0		112	389		99	34
D	18	1	87	105	1.926	3.40	3.85	37.0	125.0		142	481		125	42
D	19	4	87	93	5.759	11.34	11.52	33.9	113.7		391	1,309		344	115
D	20	3	86	109	4.332	9.45	9.88	39.7	136.7		392	1,350		345	119
D	21	3	88	103	3.929	9.45	8.96	42.8	156.7		383	1,403		337	124
D	22	2	87	109	2.291	6.05	5.58	45.8	173.6		256	969		225	85
D	23	5	84	104	4.847	13.98	10.61	52.9	180.9		561	1,919		494	169
D	24	4	89	109	3.850	12.10	9.38	56.1	224.2		526	2,104		463	185
D	26	4	87	128	3.075	11.34	8.51	64.6	270.5		549	2,301		483	203
D	27	1	82	126	.856	3.40	2.57	63.0	253.3		162	650		142	57
D	28	4	87	110	3.006	12.85	7.43	69.6	286.3		517	2,126		455	187
D	29	2	89	98	1.484	6.81	3.71	71.6	298.0		266	1,105		234	97
D	30	3	82	108	1.771	8.69	4.77	73.1	292.3		349	1,395		307	123
D	31	2	83	133	1.154	6.05	3.46	85.2	372.1		295	1,288		259	113
D	32	1	86	120	.474	2.65	.95	93.0	425.0		88	403		78	35
D	34	2	84	108	1.079	6.81	3.24	87.3	375.0		283	1,214		249	107
D	35	1	91	128	.509	3.40	1.53	105.0	576.7		160	881		141	78
D	36	2	86	120	.748	5.29	2.25	105.5	505.0		237	1,134		208	100
D	37	2	78	127	.810	6.05	2.08	98.1	439.5		204	912		179	80
D	38	2	84	102	.864	6.81	2.16	114.6	528.0		248	1,141		218	100
D	40	2	79	123	.693	6.05	2.08	99.7	485.6		207	1,010		182	89
D	41	1	91	116	.371	3.40	1.11	141.3	746.7		157	831		138	73
D	Totals	63	87	81	99.097	190.89	173.29	41.5	166.8		7,198	28,898		6,334	2,543
A	12	1	87	43	1.415	1.11	1.41	15.0	40.0		21	57		19	5
A	13	1	86	37	1.205	1.11	1.21	15.0	30.0		18	36		16	3
A	15	1	86	41	.905	1.11	.91	22.0	50.0		20	45		18	4
A	16	3	86	73	5.173	7.22	8.75	26.6	83.6		233	732		205	64
A	17	3	86	78	7.049	11.11	13.39	30.0	102.6		402	1,375		354	121
A	18	2	87	76	3.458	6.11	6.29	35.2	109.5		222	688		195	61
A	20	1	87	89	2.292	5.00	4.58	43.0	145.0		197	665		173	58
A	22	3	86	70	4.209	11.11	8.00	44.4	148.2		355	1,185		313	104
A	Totals	15	86	71	25.706	43.89	44.54	33.0	107.4		1,468	4,783		1,292	421
H	17	2	87	71	2.467	3.89	4.93	25.7	92.5		127	456		112	40
H	18	1	89	79	1.100	1.94	2.20	32.5	115.0		72	253		63	22
H	19	1	89	47	.988	1.94	.99	39.0	60.0		39	59		34	5
H	Totals	4	88	67	4.555	7.78	8.12	29.2	94.6		237	769		209	68
NF	24	1	92	117	.354	1.11	1.06	53.7	243.3		57	258		50	23
NF	Totals	1	92	117	.354	1.11	1.06	53.7	243.3		57	258		50	23
Totals		83	87	78	129.712	243.67	227.01	39.5	152.9		8,960	34,708		7,885	3,054

Legend

-  Ownership Boundary
-  Known Land Survey Corner
-  Timber Sale Boundary
-  Existing Landing
-  Existing Surfaced Road
-  Type N Stream
-  Type F Stream
-  Buffer Zone
-  Posted Buffer
-  Yarding Area - Cable
-  Yarding Area - Ground
-  Reforestation Area
-  Line Pull Area

Approximate Scale: 1"=1,000'

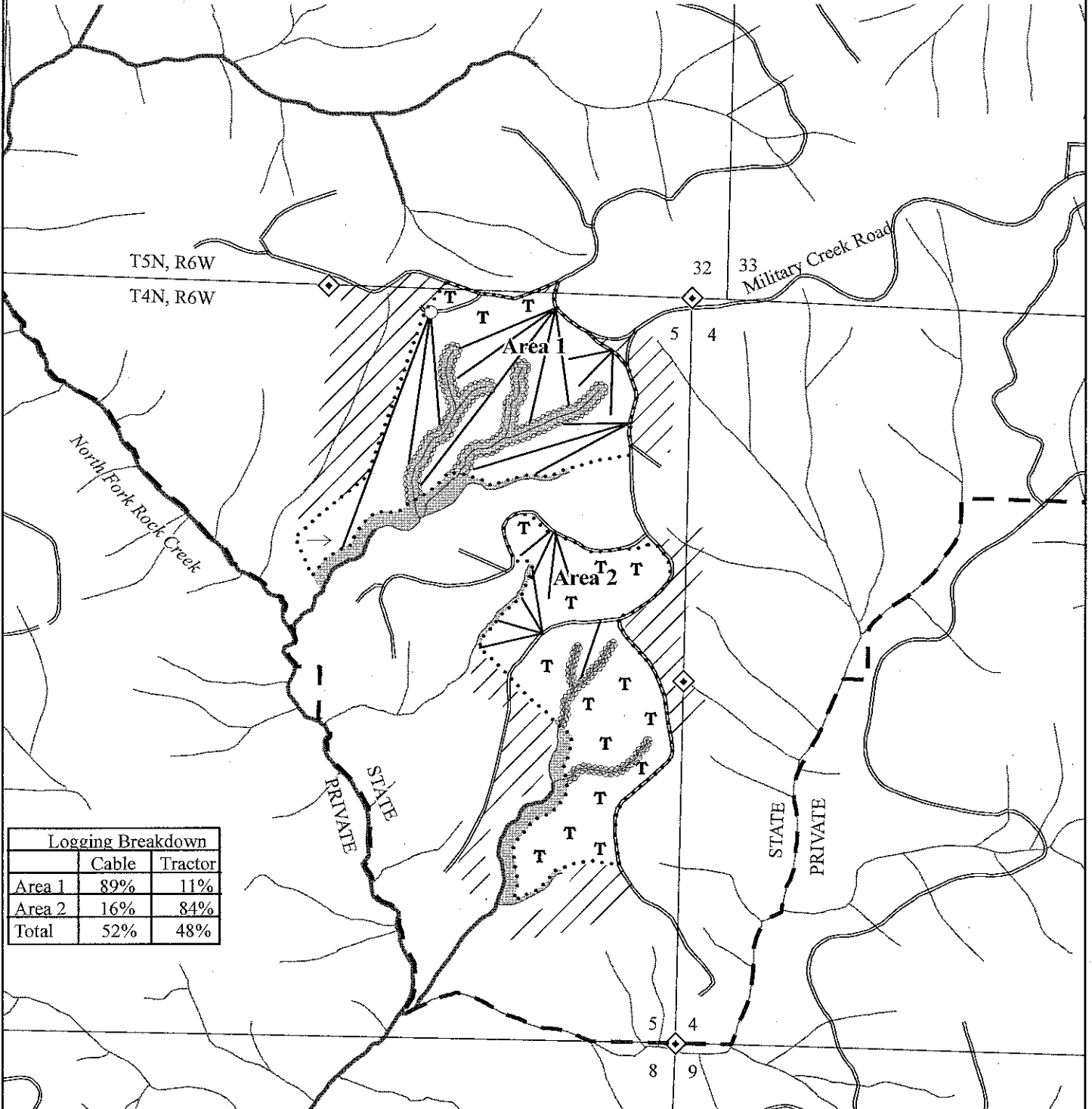


**LOGGING PLAN MAP**

OF TIMBER SALE CONTRACT NO. 341-12-41  
 CONEY ISLAND  
 PORTIONS OF SECTION 32, T5N, R6W,  
 AND PORTIONS OF SECTION 5, T4N, R6W, W.M.,  
 CLATSOP COUNTY, OREGON
















Area 1 (MC) - 44 Acres  
 Area 2 (MC) - 44 Acres  
 Total Sale = 88 Acres



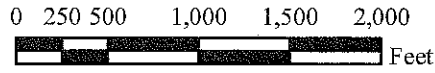
Logging Breakdown		
	Cable	Tractor
Area 1	89%	11%
Area 2	16%	84%
Total	52%	48%

Legend

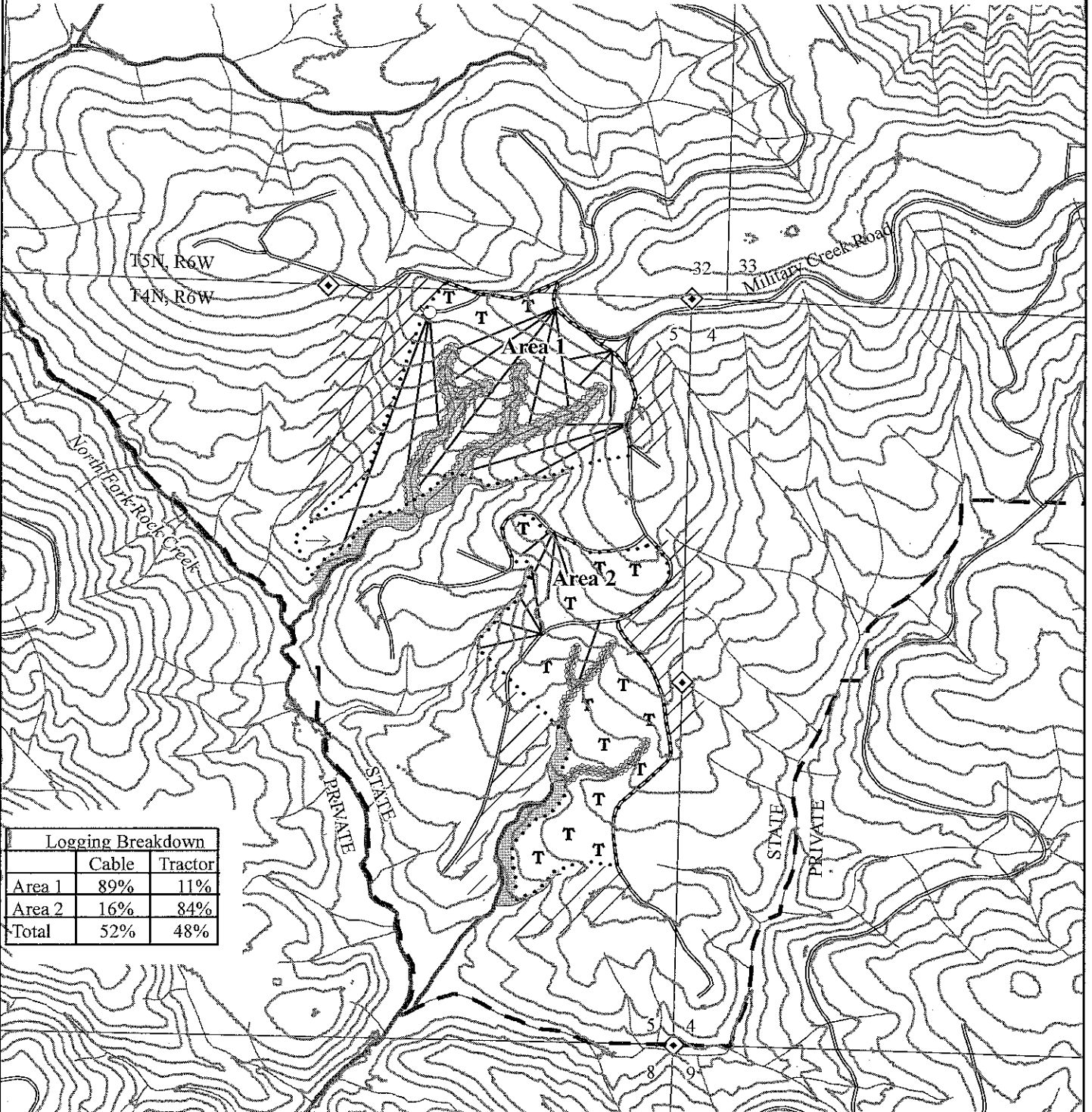
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 PORTIONS OF SECTION 32, T5N, R6W,  
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	Cable	Tractor
Area 1	89%	11%
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