



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Courtside
Sale 341-10-02

District: Astoria

Date: July 08, 2009

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$340,352.04	\$1,174.00	\$341,526.04
		Project Work:	\$0.00
		Advertised Value:	\$341,526.04



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timber description

Location: Portions of Sections 14, 23, and 24, T4N, R7W, W.M., Clatsop County, Oregon.

Stand Stocking: 80%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	22	0	97
Western Hemlock / Fir	19	0	97
Alder (Red)	17	0	95

Volume by Grade	2S	3S	4S	Camprun	Total
Douglas - Fir	1,464	363	45	0	1,872
Western Hemlock / Fir	182	87	20	0	289
Alder (Red)	0	0	0	5	5
Total	1,646	450	65	5	2,166



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comments: Pond Values Used: 2nd Quarter Calendar Year 2009.

Log Markets: Mist, Clatskanie, Tillamook, Forest Grove.

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost
 $\$596.49/\text{MBF} = \$740/\text{MBF} - \$143.51/\text{MBF}$

SCALING COST ALLOWANCE = $\$5.00/\text{MBF}$

FUEL COST ALLOWANCE = $\$3.00/\text{Gallon}$

HAULING COST ALLOWANCE

Hauling costs equivalent to $\$700$ daily truck cost.

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

100% Branding and Painting: $\$1\text{MBF} \times 2,166 \text{ MBF} = \$2,166$

Additional log loader piling: $3 \text{ Hours} \times \$85/\text{hr} \times 2 \text{ landings} = \510

TOTAL Other Costs (with Profit and Risk to be added) = $\$2,676$

Other Costs (No Profit & Risk added):

Excavator Slash Piling: $26 \text{ hrs} \times \$120/\text{hr} = \$3,120$

Excavator move-in: $\$945 \times 1 = \945

TOTAL Other Costs (No Profit & Risk added) = $\$4,065$



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logging conditions

combination#: 1

	Douglas - Fir	90.00%	
	Western Hemlock / Fir	90.00%	
	Alder (Red)	90.00%	
yarding distance:	Medium (800 ft)	downhill yarding:	No
logging system:	Shovel	Process:	Manual Falling/Delimiting
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
loads / day:	9.0	bd. ft / load:	4,500
cost / mbf:	\$61.84		
machines:	Shovel Logger		

combination#: 2

	Douglas - Fir	10.00%	
	Western Hemlock / Fir	10.00%	
	Alder (Red)	10.00%	
yarding distance:	Medium (800 ft)	downhill yarding:	No
logging system:	Cable: Small Tower <=40	Process:	Manual Falling/Delimiting
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
loads / day:	7.0	bd. ft / load:	4,500
cost / mbf:	\$85.75		
machines:	Log Loader (A) Tower Yarder (Small)		



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logging costs

Operating Seasons:	2.00	Profit Risk:	14.00%
Project Costs:	\$0.00	Other Costs (P/R):	\$2,676.00
Slash Disposal:	\$0.00	Other Costs:	\$4,065.00

Miles of Road

Road Maintenance: \$3.39

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	3.7
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
Douglas - Fir									
\$64.23	\$3.49	\$4.05	\$46.84	\$1.24	\$16.78	\$0.00	\$5.00	\$1.88	\$143.51
Western Hemlock / Fir									
\$64.23	\$3.49	\$4.05	\$56.98	\$1.24	\$18.20	\$0.00	\$5.00	\$1.88	\$155.07
Alder (Red)									
\$64.23	\$3.56	\$4.05	\$92.11	\$1.24	\$23.13	\$0.00	\$5.00	\$1.88	\$195.20

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$310.52	\$167.01	\$0.00
Western Hemlock / Fir	\$0.00	\$250.95	\$95.88	\$0.00
Alder (Red)	\$0.00	\$430.00	\$234.80	\$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	1,872	\$167.01	\$312,642.72
Western Hemlock / Fir	289	\$95.88	\$27,709.32
Alder (Red)	5	\$234.80	\$1,174.00

Gross Timber Sale Value

Recovery: \$341,526.04

Prepared by: Ty Williams

Phone: 503-325-5451

TIMBER CRUISE REPORT
Courtside
FY 2010

1. **Sale Area Location:** Areas are located in Portions of Sections 14, 23, and 24 of T4N, R7W, 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	New R/W	Stream Buffer	Net Acres	Survey Method
1	Modified Clearcut	44.9	0.4	0	0.5	44.0	GIS
2	Modified Clearcut	14.8	0.4	0	0.4	14.0	GIS
TOTALS		59.7	0.8	0	0.9	58.0	

4. **Cruisers and Cruise Dates:** Sale was cruised by Peter Stone, Jon Long, Lanny Freeman, Dave Wolfgram, Derek Bangs, and Ty Williams in May 2009.

5. Cruise Method and Computation:

Areas 1 and 2 total 58 acres and were variable plot cruised using a 40 BAF. A total of 47 plots were sampled, with 27 measured and graded plots, and 20 count plots. These plots are located on a 3 by 4 chain grid. Wildlife trees were not included in the net volume.

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 & 2	04N07W SEC 14	CC	TAKE

6. Timber Description:

Areas 1 and 2 are approximately 61 years old, consisting of good quality Douglas-fir mixed with some hemlock, true-firs, and pockets of red alder.

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 and 2	50%	10%	24.3%	3.5%

TIMBER CRUISE REPORT
Courtside

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	% D & B	% Sale
Douglas-fir	22"	1,872	1,464	363	45	0	3%	86%
Alder	17"	5	0	0	0	5	3%	<1%
Hemlock/true-Fir	19"	289	182	87	20	0	1%	13
TOTALS		2,166	1,646	450	65	5		

9. Approvals:

Prepared by: _____ Ty Williams _____ **Date:** May 6, 2009

Unit Forester Approval: _____ **Date:** _____

- 10. Attachments:**
- Cruise Design - 2 pages
 - Cruise Map - 1 page
 - Volume Report - 1 page
 - Statistics Report – 1 page
 - Log Stock Table - 2 pages
 - Stand Table Summary – 1 page

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

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-10-2
 COURTSIDE
 PORTIONS OF SECTIONS 14 23, AND 24,
 OF T4N, R7W, W.M., CLATSOP COUNTY, OR

Approximate Net Acreage
 Area 1 (MC) - 44 Acres
 Area 2 (MC) - 14 Acres
 Total Sale Acres - 58 Acres

Approximate Scale = 1"=1,000'
 500 250 0 500 1,000
 Feet



Legend

- Timber Sale Boundary
- ODF Ownership
- Existing Paved Road
- Existing Rocked Road
- Type N Stream
- Type F Stream
- Posted Stream Buffer
- Known Land Survey Corner
- Tractor Logging Area
- Cable Logging Area



Logging Breakdown		
	Cable	Tractor
Area 1	9%	91%
Area 2	14%	86%
Total	10%	90%

LOGGING PLAN











OF TIMBER SALE CONTRACT NO. 341-10-2
 COURTSIDE
 PORTIONS OF SECTIONS 14 23, AND 24,
 OF T4N, R7W, W.M., CLATSOP COUNTY, OR

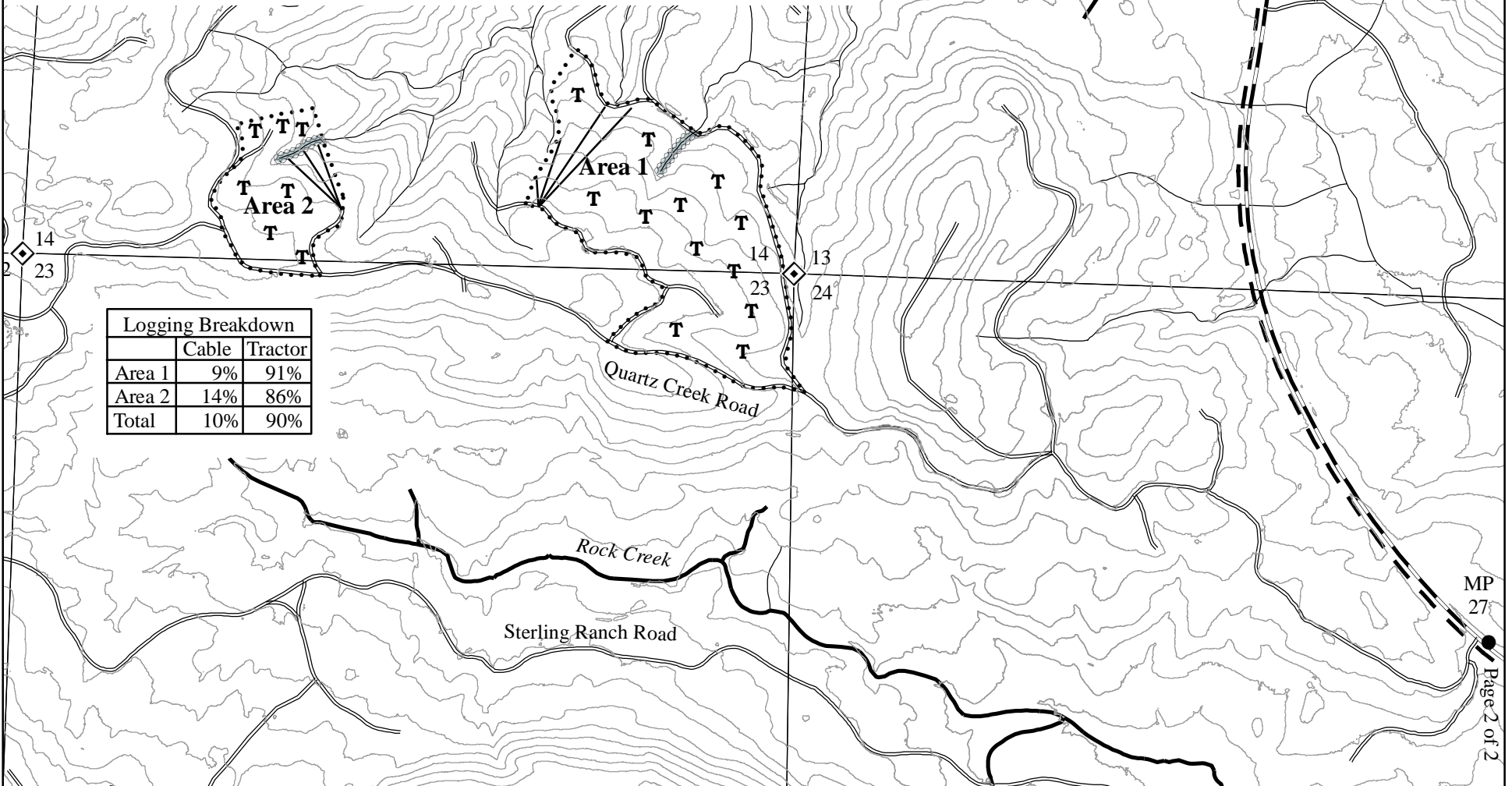
Approximate Net Acreage
 Area 1 (MC) - 44 Acres
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 Total Sale Acres - 58 Acres

Approximate Scale = 1":1,000'
 500 250 0 500 1,000
 Feet



Legend

-  Timber Sale Boundary
-  ODF Ownership
-  Existing Paved Road
-  Existing Rocked Road
-  Type N Stream
-  Type F Stream
-  Posted Stream Buffer
-  Known Land Survey Corner
-  Tractor Logging Area
-  Cable Logging Area



Logging Breakdown		
	Cable	Tractor
Area 1	9%	91%
Area 2	14%	86%
Total	10%	90%