"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Outback Flat
Sale 341-14-026

District: **Tillamook** **Date:** **June 05, 2013**

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$172,542.27	$0.00	$172,542.27
		Project Work:	$(43,630.00)
		Advertised Value:	$128,912.27

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Outback Flat
Sale 341-14-026

District: **Tillamook** **Date:** **June 05, 2013**

timber description

Location: Portions of Section 12, T3N, R10W, W.M., Tillamook County, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	12	0	95
Western Hemlock / Fir	10	0	95

Volume by Grade	3S	4S	Total
Douglas - Fir	92	100	192
Western Hemlock / Fir	111	628	739
Total	203	728	931

District: Tillamook **Date: June 05, 2013**

comments:

Pond Values Used: 1st Quarter Calendar Year 2013.

Western redcedar & Other Cedars Stumpage Price = Pond Value minus Logging Cost:
$690/MBF = $1,000/MBF - $310/MBF

Spruce & Other Conifers Stumpage Price = Pond Value minus Logging Cost:
$90/MBF = $400/MBF - $310/MBF

Red Alder & Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:
$245/MBF = $555/MBF - $310/MBF

Pulp (Conifer and Hardwood) Price = $25/MBF

SCALING COST ALLOWANCE = $5.00/MBF

FUEL COST ALLOWANCE = $4.00/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to $780 daily truck cost.

Other Costs (with Profit & Risk to be added):
Brand and Paint: $2/MBF x 931 MBF = $1,862
TOTAL Other Costs (with Profit & Risk to be added) = $1,862

Other Costs (No Profit & Risk added):
Equipment Cleaning: 2 x $1,000/Piece = $2,000
TOTAL Other Costs (No Profit and Risk added) = $2,000

ROAD MAINTENANCE
Maintenance Rock: ($15.89/cy x 1.56 miles x 20 cy/mile x .931MMBF) / 931 MBF = $.50/MBF
Vibratory Roller: ((82 stations x $18/ station) + $111 move-in) / 931 MBF = $1.70/MBF
Final Maintenance:
Grading: $500/Mile x 1.56 miles /931 MBF = $.84/MBF

TOTAL Maintenance Cost = $3.04/MBF

Timber Sale Appraisal
Outback Flat
Sale 341-14-026

District: **Tillamook** **Date:** **June 05, 2013**

logging conditions

combination#: **1** Douglas - Fir 100.00%
Western Hemlock / Fir 100.00%

yarding distance: Medium (800 ft) **downhill yarding:** No
logging system: Shovel **Process**: Manual Falling/Delimbing
tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF
loads / day: 6.0 **bd. ft / load:** 2,700
cost / mbf: $154.61

machines: Shovel Logger

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Outback Flat
Sale 341-14-026

District: **Tillamook** **Date:** **June 05, 2013**

logging costs

Operating Seasons:	2.00	**Profit Risk:**	10.00%
Project Costs:	$43,630.00	**Other Costs (P/R):**	$1,862.00
Slash Disposal:	$0.00	**Other Costs:**	$2,000.00

Miles of Road

Road Maintenance: $3.04

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	2.0	2.4
Western Hemlock / Fir	$0.00	3.0	2.6

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Outback Flat
Sale 341-14-026

District: **Tillamook** **Date:** **June 05, 2013**

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
$154.61	$3.19	$9.42	$155.12	$2.00	$32.43	$0.00	$5.00	$2.15	$363.92
Western Hemlock / Fir									
$154.61	$3.19	$9.42	$95.46	$2.00	$26.47	$0.00	$5.00	$2.15	$298.30

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$579.58	$215.66	$0.00
Western Hemlock / Fir	$0.00	$475.75	$177.45	$0.00

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Outback Flat
Sale 341-14-026

District: **Tillamook** **Date:** **June 05, 2013**

summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	$0.00	$0.00
Western Hemlock / Fir	0	$0.00	$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	192	$215.66	$41,406.72
Western Hemlock / Fir	739	$177.45	$131,135.55

Gross Timber Sale Value

Recovery: $172,542.27

Prepared by: Nick Stumpf **Phone:** 503-842-2545

"STEWARDSHIP IN FORESTRY"

PROJECT SUMMARY SHEET

Sale: Outback Flats

CONSTRUCTION

Point	D to E	11+00	stations =	$13,957.25
			SUBTOTAL CONSTRUCTION	**$13,957.25**

IMPROVEMENT

Point	A to B	53+30	stations =	$2,492.80
Point	B to C	47+50	stations =	$3,413.40
Point	D to E	29+10	stations =	$7,715.52
			SUBTOTAL IMPROVEMENT	**$13,621.72**

SPECIAL PROJECTS

Project No. 3 - Road Vacating				$13,234.40
			SUBTOTAL SPECIAL PROJECTS	**$13,234.40**

MOVE IN **$2,816.63**

GRAND TOTAL **$43,630.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Outback Flats** Road: **A to B**

Construction -	0+00	stations	Improvement -	53+30	stations	Reconstruction -	0+00	stations
	0.00	miles		1.01	miles		0.00	miles

IMPROVEMENT: EXCAVATION -

Ditch Excavation & Scatter				29.40	sta. @	$40.00	per sta. =	$1,176.00	
							TOTAL	**EXCAVATION**	**$1,176.00**

CULVERT MARKERS

		Culvert Stakes & Markers							
		11	markers	$88.00					
				$88.00					
								TOTAL CULVERTS	**$88.00**

ROCK

Trailhead Parking Area	3+30	20	cy. of	Crushed	@	$8.52	per c.y.=	$170.40	
Trailhead Parking Area	14+80	20	cy. of	Crushed	@	$8.52	per c.y.=	$170.40	
Spot rock	*	100	cy. of	Crushed	@	$8.88	per c.y.=	$888.00	
								TOTAL ROCK	**$1,228.80**

GRAND TOTAL **$2,492.80**

SUMMARY OF CONSTRUCTION COST

Sale: **Outback Flats** Road: **B to C**

Construction -	0+00	stations	Improvement -	47+50	stations	Reconstruction -	0+00	stations
	0.00	miles		0.90	miles		0.00	miles

CULVERTS - MATERIALS & INSTALLATION

Culverts				
	26	LF of 18"	$455.00	
			$455.00	
Culvert Stakes & Markers				
	1	markers	$8.00	
			$8.00	
			TOTAL CULVERTS	**$463.00**

ROCK

0+00	to	1+00	30	cy. of	Crushed	@	$8.88	per c.y.=	$266.40	
Spot Rock	*		200	cy. of	Crushed	@	$9.44	per c.y.=	$1,888.00	
									TOTAL ROCK	**$2,154.40**

SPECIAL PROJECTS

Grade and shape road -	20.00	stations @	$15.50	per station	$310.00	
Grass seed and fertilize -	0.05	acres @	$220.00	per acre	$11.00	
				TOTAL SPECIAL PROJECTS		**$321.00**

GRAND TOTAL **$3,413.40**

SUMMARY OF CONSTRUCTION COST

Sale: **Outback Flats** Road: **D to E**

Construction -	11+00	stations	Improvement -	29+10	stations	Reconstruction -	0+00	stations
	0.21	miles		0.55	miles		0.00	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station			
29+10		40+10	30%		Ditch	$256	=	$2,816.00	
								TOTAL	**$2,816.00**

IMPROVEMENT: EXCAVATION -

Ditching	29.00	sta. @	$50.00	per sta. =	$1,450.00			
					TOTAL EXCAVATION			**$1,450.00**

CULVERTS - MATERIALS & INSTALLATION

Culverts				
52	LF of 18"	$910.00		
		$910.00		
Culvert Stakes & Markers				
2	markers	$16.00		
		$16.00	**TOTAL CULVERTS**	**$926.00**

ROCK

0+00	to	29+10	350	cy. of	Crushed	@	$8.88	per c.y.=	$3,108.00	
29+10	to	40+10	530	cy. of	Crushed	@	$16.73	per c.y.=	$8,866.90	
29+10	to	40+10	140	cy. of	Crushed	@	$9.02	per c.y.=	$1,262.80	
Spot Rock	*		80	cy. of	Crushed	@	$15.89	per c.y.=	$1,271.20	
Slope Stabilization		6+70	5	cy. of	Riprap	@	$5.76	per c.y.=	$28.80	
									TOTAL ROCK	**$14,537.70**

SPECIAL PROJECTS

Remove tank traps from roadway & scatter brush	2.00	hours @	$145.00	per hour	$290.00
Grade and shape road -	40.10	stations @	$15.50	per station	$621.55
Roll subgrade w/ vibratory roller -	40.10	stations @	$13.20	per station	$529.32
Remove large stumps -	1.00	lump sum @	$390.00		$390.00
Grass seed and fertilize -	0.51	acres @	$220.00	per acre	$112.20
				TOTAL SPECIAL PROJECTS	**$1,943.07**

GRAND TOTAL **$21,672.77**

SUMMARY OF ROAD VACATING COST

Sale: **Outback Flats** Road: **B to C**

B to C (2+00 to 19+60)

SPECIAL PROJECTS						
Remove Fill/Culverts (B to C) -	72.00	hours @	$145.00	per hour	$10,440.00	
Dump Truck	24.00	hours @	$70.00	per hour	$1,680.00	
Road Blocking	1.00	hour @	$130.00	per hour	$130.00	
Remove culverts from state lands	7.00	lump sum @	$410.40	total	$410.40	
Grass seed -	0.70	acres @	$220.00	per acre	$154.00	
Mulching -	0.700	acres @	$600.00	per acre	$420.00	
					TOTAL SPECIAL PROJECTS	**$13,234.40**
				GRAND TOTAL		**$13,234.40**

ROCK COST SUMMARY

Pit:	Molhler S&G & State Stockpile	Location:	Sec 15 T3N R10W W.M.	
Sale:	**Outback Flats**		3"-0" Crushed Rock	530 c.y.
			1 1/2"-0" Crushed Rock	860 c.y.
			Total Truck Loads:	**1390 c.y.**

Move in Roller and Compactor	1	@	$377.58	=		$377.58
Move in Grader	1	@	$143.57	=		$143.57
Move in Loader	1	@	$401.93	=		$401.93
Move in Trucks	4	@	$119.43	=		$477.72
Move in Water Truck	1	@	$140.38	=		$140.38
				Subtotal		$1,541.18
			TOTAL PRODUCTION COSTS			**$1,541.18**

State Stockpile - (Move-in/1 1/2"-0" volume)	Base Cost= 1 1/2"-0"	**$1.79**	Per Cu.Yd.
Purchased Commercial Source Quote	Base Cost= 3"-0"	**$9.50**	Per Cu.Yd.

Road Segment	Load & Haul Cost $/cu.yd.	Proc Cost $/cu.yd.	Base Cost. $/cu.yd.	Cost $/cu.yd.	Number Cu. Yds		ROCK COST
A to B Trailhead Parking Area (Crushed)	4.28	2.45	1.79	8.52	20		$170.40
A to B Trailhead Parking Area (Crushed)	4.28	2.45	1.79	8.52	20		$170.40
A to B Spot rock (Crushed)	4.64	2.45	1.79	8.88	100		$888.00
B to C - 0+0 to 1+00 (Crushed)	4.64	2.45	1.79	8.88	30		$266.40
B to C Spot Rock (Crushed)	5.20	2.45	1.79	9.44	200		$1,888.00
D to E - 0+00 to 29+10 (1 1/2"-0")	4.64	2.45	1.79	8.88	350		$3,108.00
D to E - 29+10 to 40+10 (3"-0")	4.78	2.45	9.50	16.73	530		$8,866.90
D to E - 29+10 to 40+10 (1 1/2"-0")	4.78	2.45	1.79	9.02	140		$1,262.80
D to E Spot Rock (Crushed)	3.94	2.45	9.50	15.89	80		$1,271.20
D to E Slope Stabilization (Riprap)	2.57	1.40	1.79	5.76	5		$28.80
				Total C.Y.	**1475**	Sub Total	**$17,920.90**
					TOTAL ROCKING COSTS		**$17,920.90**

Move-In Calculations for Project Work not Involving Rocking/Pit Work

Sale: **Outback Flats**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
50.0	Pavement	30
2.0	Main Lines	7
1.0	Steep Grades	2

No.	EQUIPMENT DESCRIPTION	Move in Cost	Pilot Cars	Within Area Move ($/mile)	Begin Mileage	End Mileage	Total Miles	Within Area Cost	Total Cost
2	Excavator (Large)	$1,198.41	1	$44.80	0.00	0.00	0	$0.00	$1,198.41
2	Tractor (D8)	$1,184.83	2	$15.10	0.00	0.00	0	$0.00	$1,184.83
1	Dump Truck (10 cy +)	$146.67		$2.85	0.00	0.00	0	$0.00	$146.67
2	Water Truck (2500 Gal)	$286.72		$2.85	0.00	0.00	0	$0.00	$286.72
					TOTAL MOVE-IN COSTS:				$2,816.63

OREGON DEPARTMENT OF FORESTRY
CRUISE REPORT
Outback Flat

1. Type of Sale
Regeneration harvest, 100% Recovery.

2. Legal Description
Section 12, T3S, R10W, W.M., Tillamook County, Oregon.

3. Sale Acreage
Sale acreage was determined by GPS, orthophotographs, Lidar imagery, along with GIS.

	ACRES	
	Gross	**Net**
Area 1 (Modified Clear-Cut)	60	50

Gross Acres
Area within the Timber Sale Boundary signs.

Net acres
Used for calculating the advertised volume.
Gross acres, less green tree retention, roads, Non-required thinning areas, and riparian areas classified as Special Stewardship in LMCS inside the sale boundary.

4. Cruising Procedures

A. Cruise Method
A total of 9 variable radius plots were used on the sale area resulting in an average of 6.4 trees per plot. Plots were spaced on a rectangular grid 350' x 700'. All plots were full cruise plots.

Conifer 8 inches DBH and greater containing 20 net board were sampled for tree species, DBH, form factor, merchantable height, visible defect and grade.

Tree heights were recorded to a 6 inch top outside bark for all conifers; or three tenths (0.3) of DBH, whichever was greater. Log lengths favored 40 feet.

All diameters were measured outside bark to the nearest inch height measurement standards were to the nearest foot.

B. Plot size

A basal area factor of 33.61 was used for the sale area. The point of observation was 4.5 feet.

C. Grading System

All trees were graded according to Columbia River Log Scaling and Grading Rules.

5. Computation Procedure

The volumes and statistics for the timber cruise were computed using Super ACE 2004, developed by Atterbury Consultants, Inc. The standard error and the coefficient of variation for the cruise as based on net board feet per acre shown in the table below.

Cruise Statistics (Net/BF Volume Per Acre)			
Area	Number of Plots	SE (%)	CV (%)
1	9	11	31.20

6. Hidden Defect and Breakage

A 5% hidden defect and breakage was applied to all conifers and. This was in addition to visual defect deducted during the cruise.

7. Timber Description

This sale is predominantly a western hemlock stand, with scattered Douglas-fir. The north eastern quarter was seeded in 1965-66. The northwestern quarter was seeded in 1968-69. According to OSCUR inventory the rest of the stand has a birth year of 1975. The stand contains minor pockets of blow down and the timber has poor height diameter ratios.

The sale area was part of a mixed species growth plot study originating in 1981. Aluminum tags are found on many trees still, but should not pose a problem during harvest. The nails are in the base of the tree with an aluminum tag attached just above ground level, and chain saw performance is not affected by aluminum. In addition, a small aluminum nail in a tree will not pose a problem to the saw mill.

8. Cruiser Names/Dates

J. Rios 11/2011

9. Revenue Distribution

FDF 88%

CSL 12%

Tax Codes: 56-1 88%, 56-6 12%

BOF Deed Numbers: 35, 146

10. Attachments

Stand Table
Volume Summaries
Log Stock Tables
Logging Plan Map

11. Stand and Log Stock Tables Species Key

DF – Douglas-fir
WH – Western hemlock

TC TLOGSTVB

Log Stock Table - MBF

Project: **OUTBACK**

T03N R10W S12 T0100

T03N R10W S12 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
03N	10W	12	AREA 1	0100	50.00	9	58

Page 1
Date 3/26/2013
Time 8:49:48AM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
WH		CO	3	32	108	4.4	103	13.2			12	91								
WH		CO	3	40	17		17	2.2					17							
WH		CO	4	16	5		5	.6		5										
WH		CO	4	18	14		14	1.7		14										
WH		CO	4	19	13		13	1.7		13										
WH		CO	4	21	2		2	.2		2										
WH		CO	4	22	10		10	1.3		10										
WH		CO	4	23	3		3	.4		3										
WH		CO	4	24	103		103	13.2		77	25									
WH		CO	4	32	309		309	39.7		177	85	47								
WH		CO	4	40	209	4.4	200	25.6		83	117									
WH		Totals			792	1.8	778	79.3		384	238	139	17							
DF		CO	3	32	16		16	7.8				16								
DF		CO	3	40	84	1.1	83	40.9			49	18	16							
DF		CO	4	20	14		14	6.7		14										
DF		CO	4	22	10		10	4.8		10										
DF		CO	4	24	25		25	12.1		25										
DF		CO	4	25	5		5	2.3		5										
DF		CO	4	32	31		31	15.1			17	14								
DF		CO	4	40	21		21	10.3		21										
DF		Totals			204		203	20.7		73	66	48	16							
Total All Species					995	1.5	981	100.0		457	304	186	33							

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: OUTBACK

Date 3/26/2013

Time 8:49:49AM

T03N R10W S12 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
03N	10W	12	AREA 1	0100	50.00	9	58	S	W

T03N R10W S12 T0100

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
WH		CO	3	15	3.8	2,497	2,402	120		100					86	14	32	76	0.67	31.5
WH		CO	4	85	1.4	13,341	13,156	658	58	42			5	18	47	30	31	36	0.32	362.1
WH	**Totals**			79	1.8	15,838	15,558	778	49	51			4	15	53	28	31	40	0.35	393.6
DF		CO	3	48	1.0	1,993	1,974	99		100					16	84	39	85	0.61	23.3
DF		CO	4	52		2,079	2,079	104	70	30			13	37	30	20	27	34	0.32	61.8
DF	**Totals**			21	.5	4,071	4,052	203	36	64			7	19	23	51	30	48	0.42	85.2
Type Totals					1.5	19,909	19,611	981	47	53			5	16	47	33	31	41	0.36	478.8

TC TSTNDSUM

Stand Table Summary

Project **OUTBACK**

T03N R10W S12 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
03N	10W	12	AREA 1	0100	50.00	9	58

T03N R10W S12 T0100

Page: 1
Date: 03/26/201
Time: 8:49:49AM

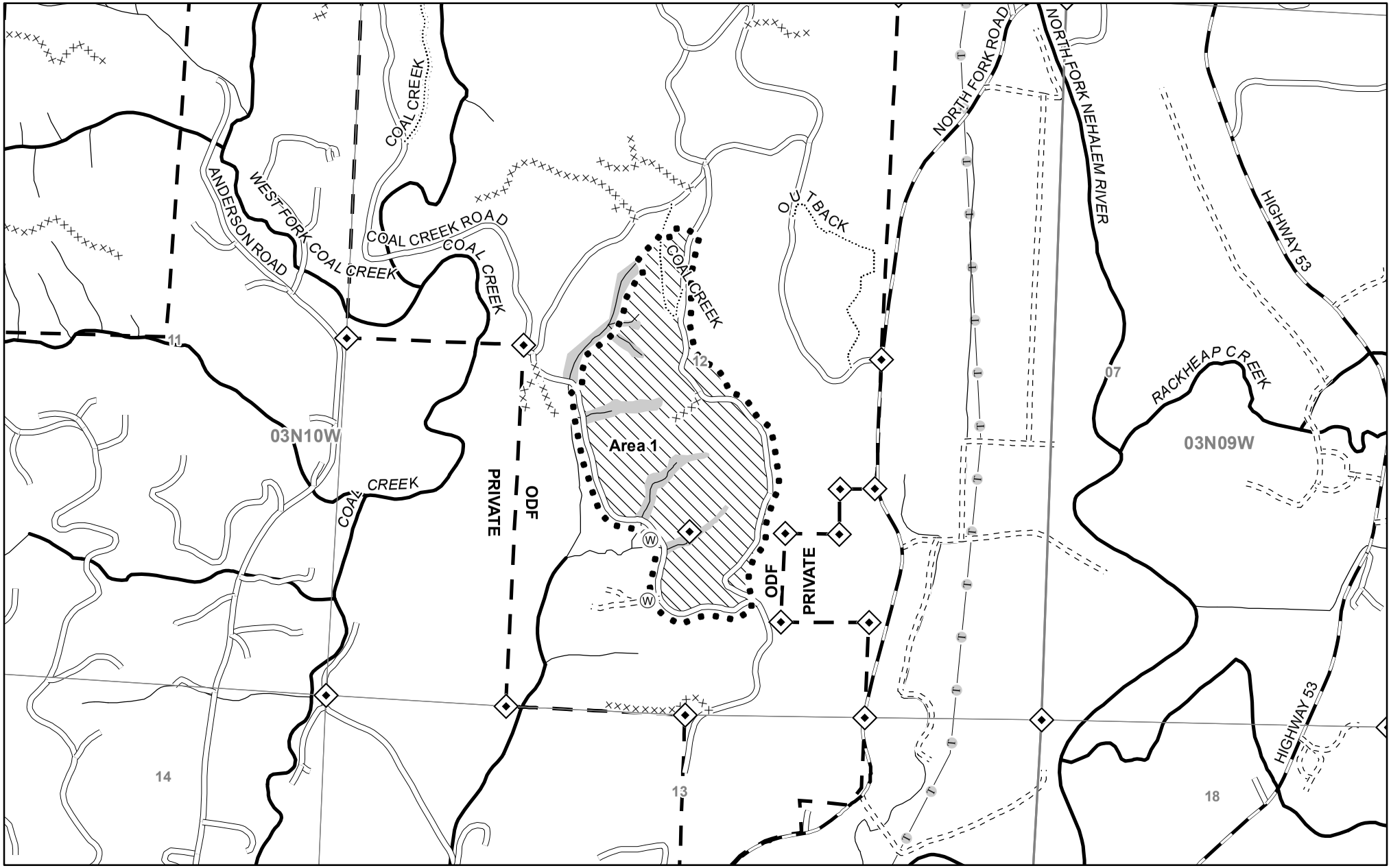
Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
WH		8	9	84	63	96.286	33.61	96.29	6.9	30.0	21.27	667	2,889	1,064	334	144
WH		9	13	83	67	109.890	48.55	109.89	9.5	36.9	33.33	1,042	4,057	1,667	521	203
WH		10	8	83	69	54.776	29.88	54.78	13.3	40.0	23.23	728	2,191	1,162	364	110
WH		11	4	83	79	22.635	14.94	28.29	14.6	50.0	13.25	414	1,415	662	207	71
WH		12	8	84	79	38.039	29.88	71.32	12.0	44.0	27.35	857	3,138	1,367	428	157
WH		13	2	83	77	8.103	7.47	16.21	12.7	47.5	6.59	206	770	330	103	38
WH		14	1	83	71	3.493	3.73	6.99	14.8	55.0	3.32	104	384	166	52	19
WH		15	1	82	74	3.043	3.73	6.09	16.7	55.0	3.25	101	335	162	51	17
WH		19	1	83	76	1.897	3.73	3.79	30.5	100.0	3.70	116	379	185	58	19
WH		Totals	47	83	69	338.161	175.52	393.64	10.8	39.5	135.29	4,234	15,558	6,764	2,117	778
DF		8	1	85	54	10.698	3.73	10.70	4.8	30.0	1.48	52	321	74	26	16
DF		11	2	85	79	11.317	7.47	16.98	11.1	43.3	5.37	189	736	269	94	37
DF		12	3	85	82	14.265	11.20	23.77	13.2	44.0	8.96	314	1,046	448	157	52
DF		13	2	85	92	8.434	7.47	16.87	13.2	49.8	6.36	223	840	318	112	42
DF		14	1	86	75	3.493	3.73	6.99	14.1	55.0	2.81	98	384	140	49	19
DF		15	1	86	77	3.043	3.73	6.09	15.7	60.0	2.72	96	365	136	48	18
DF		19	1	85	77	1.897	3.73	3.79	29.0	95.0	3.10	110	360	155	55	18
DF		Totals	11	85	76	53.147	41.08	85.18	12.7	47.6	30.80	1,082	4,052	1,540	541	203
Totals			58	84	70	391.308	216.60	478.82	11.1	41.0	166.08	5316	19,611	8,304	2,658	981

"STEWARDSHIP IN FORESTRY"

Outback Flat

Volume Summary

Area 1-Harvest Type				
	50 acres			
SPECIES	Cruised Net MBF/ Acre	Cruised Net MBF	Hidden D&B	Net Sale MBF
Douglas-fir	4.1	203	5%	192
Hemlock	15.6	778	5%	739
TOTAL	19.6	981		931



Rock source
Stock pile
Waste area
Bridge
Gate
Survey corner
Domestic water supply intake
Truck turn-around
Helicopter landing zone
Cultural site

Landing
Buffer
Non-required thinning
Cable yarding
Ground yarding
Helicopter yarding
Downhill yarding
Green tree retention area

Restricted area
Area boundary
Sale boundary
Ownership boundary
Perennial Type-F stream
Perennial Type-N stream
Unsurfaced road
Surfaced road
Paved road
Abandoned road

Swing road
Non-project road
Blocked road
OHV trail
Non-motorized trail
Transmission line
Railroad

LOGGING PLAN

Timber Sale Contract No. 341-14-026
OUTBACK FLAT
Portions of Section 12
T3N, R10W, W.M.,
Tillamook County, Oregon

1,000 0 1,000 Feet

N

Area	Type of Operation	Acres Gross	Net
1	Modified Clearcut	60	50

Tillamook District GIS
4/8/2013
This product is for informational use and may not have been prepared or suitable for legal, engineering, or surveying purposes.