



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Pride of Doty
Sale 341-15-15

District: Forest Grove

Date: September 30, 2014

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$4,155,030.75	\$0.00	\$4,155,030.75
		Project Work:	\$(55,650.00)
		Advertised Value:	\$4,099,380.75



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timber description

Location: Portions of Sections 21, 22, 26, and 27, T3N, R6W, W.M., Tillamook County, Oregon.

Stand Stocking: 20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	24	0	98

Volume by Grade	2S	3S	4S	Total
Douglas - Fir	6,789	2,010	288	9,087
Total	6,789	2,010	288	9,087



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comments: Pond Values Used: 3rd Quarter Calendar Year 2014.

Western Hemlock and other Conifers Stumpage Price = Pond Value
minus Logging Cost:
 $\$303.69/\text{MBF} = \$485/\text{MBF} - \$181.31/\text{MBF}$

Western redcedar and Other Cedars Stumpage Price = Pond Value
minus Logging Cost:
 $\$958.69/\text{MBF} = \$1,140/\text{MBF} - \$181.31/\text{MBF}$

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus
Logging Cost:
 $\$433.69/\text{MBF} = \$615/\text{MBF} - \$181.31/\text{MBF}$

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: 9,087 MBF @ \$2/MBF = \$18,174
Intermediate Supports: 15 @ \$200 each = \$3,000
TOTAL Other Costs (with Profit & Risk to be added) = \$21,174

Other Costs (No Profit & Risk added):
Machine time to block/waterbar road and skid trails:
20 hours @ \$150/hr. = \$3,000
Firewood Sort: 20 hours @ \$150/hr. = \$3,000
Equipment Cleaning: 4 machines @ \$1,000/Machine = \$4,000
TOTAL Other Costs (No Profit & Risk added) = \$10,000

ROAD MAINTENANCE
Move-in: \$2,000
General Road Maintenance: 10.7 miles x \$1,000/mile = \$10,700
TOTAL: \$12,700/9,087 MBF = \$1.40/MBF



"STEWARDSHIP IN FORESTRY"

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District: Forest Grove

Date: September 30, 2014

logging conditions

combination#: 1 Douglas - Fir 70.68%
yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Cable: Medium Tower >40 - <70 **Process:** Stroke Delimber
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 8.0 **bd. ft / load:** 4,400
cost / mbf: \$95.00

machines: Log Loader (A)
Stroke Delimber (A)
Tower Yarder (Medium)

combination#: 2 Douglas - Fir 29.32%
yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Shovel **Process:** Stroke Delimber
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 8.0 **bd. ft / load:** 4,200
cost / mbf: \$42.80

machines: Stroke Delimber (B)



"STEWARDSHIP IN FORESTRY"

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District: Forest Grove

Date: September 30, 2014

logging costs

Operating Seasons:	1.00	Profit Risk:	10.00%
Project Costs:	\$55,650.00	Other Costs (P/R):	\$21,174.00
Slash Disposal:	\$0.00	Other Costs:	\$10,000.00

Miles of Road

Road Maintenance: \$1.40

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	4.8



"STEWARDSHIP IN FORESTRY"

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Pride of Doty
Sale 341-15-15

District: Forest Grove

Date: September 30, 2014

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$79.70	\$1.43	\$0.48	\$75.34	\$2.33	\$15.93	\$0.00	\$5.00	\$1.10	\$181.31

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$638.56	\$457.25	\$0.00



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Date: September 30, 2014

summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	9,087	\$457.25	\$4,155,030.75

Gross Timber Sale Value

Recovery: \$4,155,030.75

Prepared by: Eric Foucht

Phone: 503-359-7473

PROJECT COST SUMMARY SHEETTimber Sale: Pride of DotySale Number: 341-15-15**PROJECT NO. 1: ROAD CONSTRUCTION AND IMPROVEMENT****CONSTRUCTION**

<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
C to D	8+30	\$2,338.86
G to H	27+50	\$8,927.68
I to J	3+00	\$978.57
Q to R	10+50	\$3,027.48
49+30 stations		
0.93 miles		

SUBTOTAL CONSTRUCTION **\$15,272.59****IMPROVEMENTS**

<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
A to B	33+75	\$397.73
E to F	15+50	\$176.14
K to L	58+50	\$2,494.77
M to N	5+00	\$56.82
O to P	18+00	\$483.55
107+75 stations		
2.04 miles		

SUBTOTAL IMPROVEMENTS **\$3,609.00****TOTAL PROJECT NO. 1 COST =** **\$18,881.59****PROJECT NO. 2: SURFACING**

<u>Road Segment</u>	<u>Amount</u>	<u>Type</u>	<u>Cost</u>
C to D	782 cy	6" - 0	\$4,965.70
G to H	2,074 cy	6" - 0	\$14,414.30
I to J	415 cy	6" - 0	\$2,826.15
K to L	36 cy	6" - 0	\$281.52
Q to R	905 cy	6" - 0	\$7,728.70
Total	4,212 cy	6" - 0	

TOTAL PROJECT NO. 2 COST = **\$30,216.37****PROJECT NO. 3: GRASS SEED, FERTILIZE, & MULCH****TOTAL PROJECT NO. 3 COST =** **\$622.47****MOVE IN & EQUIPMENT CLEANING**

Brush Cutter	\$561.59
Graders	\$599.53
Roller	\$544.34
Excavators - Equipment Cleaning	\$1,889.02
Tractor - Equipment Cleaning	\$1,861.19
Dump Trucks	\$470.63

TOTAL MOVE IN & EQUIPMENT CLEANING COST = **\$5,926.30****TOTAL ALL PROJECTS** **\$55,646.74****TOTAL CREDITS** **\$55,650.00**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Pride of Doty
Road Segment: A to B

Timber Sale No. : 341-15-15
Improvement : 33+75 stations
0.64 miles

PROJECT NO. 1

EXCAVATION

Roadside Brushing	0.64	mile @	\$600.00	per mile =	\$383.52
Roadside Brushing (Y-Junction)	0.02	mile @	\$600.00	per mile =	\$14.20

PROJECT NO. 1 TOTAL COST = \$397.73

TOTAL COST = \$397.73

SUMMARY OF CONSTRUCTION COST

Timber Sale: Pride of Doty
Road Segment: C to D

Timber Sale No. : 341-15-15
Construction : 8+30 stations
0.16 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.95	acres @	\$980.00	per acre =	\$933.65
Balanced Road Construction	8.30	sta @	\$90.00	per sta =	\$747.00
Construct Turnout (1)	1	ea @	\$60.00	per ea =	\$60.00
Construct Turnaround (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	8.30	sta @	\$28.70	per sta =	\$238.21

PROJECT NO. 1 TOTAL COST = \$2,338.86

PROJECT NO. 2:

SURFACING

	12	" deep =	65 cy/sta		
C to D	540	cy of	6" - 0	@	\$6.35 per cy = \$3,429.00
Turnout (1)	22	cy of	6" - 0	@	\$6.35 per cy = \$139.70
Turnaround (1)	20	cy of	6" - 0	@	\$6.35 per cy = \$127.00
Junction	20	cy of	6" - 0	@	\$6.35 per cy = \$127.00
Landing (1)	180	cy of	6" - 0	@	\$6.35 per cy = \$1,143.00
Total =	782				
	782	cy of	6" - 0		\$6.35 per cy = \$4,965.70

PROJECT NO. 2 TOTAL COST = \$4,965.70

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.48 acres @	\$220.00	per acre =	\$104.80
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PROJECT NO. 3 TOTAL COST = \$104.80

TOTAL COST = \$7,409.36

SUMMARY OF CONSTRUCTION COST

Timber Sale: Pride of Doty

Timber Sale No. : 341-15-15

Road Segment: E to F

Improvement : 15+50 stations

0.29 miles

PROJECT NO. 1

EXCAVATION

Roadside Brushing

0.29 mile @ \$600.00 per mile = \$176.14

PROJECT NO. 1 TOTAL COST = \$176.14

TOTAL COST = \$176.14

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Pride of Doty**
 Road Segment: **G to H**

Timber Sale No. : **341-15-15**
 Construction : **27+50** stations
 0.52 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	3.16	acres @	\$980.00	per acre =	\$3,093.43
Balanced Road Construction	14.00	sta @	\$90.00	per sta =	\$1,260.00
Drift	13.50	sta @	\$150.00	per sta =	\$2,025.00
Construct Turnout (3)	3	ea @	\$60.00	per ea =	\$180.00
Construct Turnaround (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	27.50	sta @	\$28.70	per sta =	\$789.25
TOTAL EXCAVATION COSTS=					\$7,707.68

CULVERTS - MATERIALS & INSTALLATION**Culverts**

60 LF of 18" #####

Culvert Markers

2 markers \$20.00

TOTAL CULVERT COSTS = \$1,220.00

PROJECT NO. 1 TOTAL COST = \$8,927.68

PROJECT NO. 2:

SURFACING	12	" deep =	65 cy/sta		
G to H	1,788	cy of	6" - 0	@	\$6.95 per cy = \$12,426.60
Turnout (3)	66	cy of	6" - 0	@	\$6.95 per cy = \$458.70
Turnaround (1)	20	cy of	6" - 0	@	\$6.95 per cy = \$139.00
Junction	20	cy of	6" - 0	@	\$6.95 per cy = \$139.00
Landing (1)	180	cy of	6" - 0	@	\$6.95 per cy = \$1,251.00
Total =	<u>2,074</u>				
	2,074	cy of	6" - 0		\$6.95 per cy = \$14,414.30
PROJECT NO. 2 TOTAL COST =					\$14,414.30

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	1.58 acres @	\$220.00 per acre =	\$347.22
PROJECT NO. 3 TOTAL COST =			\$347.22

TOTAL COST = \$23,689.21

SUMMARY OF CONSTRUCTION COST

Timber Sale: Pride of Doty
Road Segment: I to J

Timber Sale No. : 341-15-15
Construction : 3+00 stations
0.06 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.34	acres @	\$980.00	per acre =	\$337.47
Balanced Road Construction	3.00	sta @	\$90.00	per sta =	\$270.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	3.00	sta @	\$28.70	per sta =	\$86.10

PROJECT NO. 1 TOTAL COST = \$978.57

PROJECT NO. 2:

SURFACING

	12	" deep =	65 cy/sta			
I to J	195	cy of	6" - 0	@	\$6.81 per cy =	\$1,327.95
Turnaround (1)	20	cy of	6" - 0	@	\$6.81 per cy =	\$136.20
Junction	20	cy of	6" - 0	@	\$6.81 per cy =	\$136.20
Landing (1)	180	cy of	6" - 0	@	\$6.81 per cy =	\$1,225.80
Total =	415					
	415	cy of	6" - 0		\$6.81 per cy =	\$2,826.15

PROJECT NO. 2 TOTAL COST = \$2,826.15

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.17	acres @	\$220.00	per acre =	\$37.88
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PROJECT NO. 3 TOTAL COST = \$37.88

TOTAL COST = \$3,842.59

SUMMARY OF CONSTRUCTION COST

Timber Sale: Pride of Doty
Road Segment: K to L

Timber Sale No. : 341-15-15
Improvement : 58+50 stations
1.11 miles

PROJECT NO. 1

EXCAVATION

Roadside Brushing 1.11 mile @ \$600.00 per mile = \$664.77
TOTAL EXCAVATION COSTS= \$664.77

CULVERTS - MATERIALS & INSTALLATION

Culverts

90 LF of 18" #####

Culvert Markers

3 markers \$30.00

TOTAL CULVERT COSTS = \$1,830.00

PROJECT NO. 1 TOTAL COST = \$2,494.77

PROJECT NO. 2:

SURFACING

Spotrock over Culverts (3) 36 cy of 6" - 0 @ \$7.82 per cy = \$281.52

Total =

36 cy of 6" - 0 \$7.82 per cy = \$281.52

PROJECT NO. 2 TOTAL COST = \$281.52

TOTAL COST = \$2,776.29

SUMMARY OF CONSTRUCTION COST

Timber Sale: Pride of Doty

Timber Sale No. : 341-15-15

Road Segment: M to N

Improvement : 5+00 stations

0.09 miles

PROJECT NO. 1

EXCAVATION

Roadside Brushing

0.09 mile @ \$600.00 per mile = \$56.82

PROJECT NO. 1 TOTAL COST = \$56.82

TOTAL COST = \$56.82

SUMMARY OF CONSTRUCTION COST

Timber Sale: Pride of Doty
Road Segment: O to P

Timber Sale No. : 341-15-15
Improvement : 18+00 stations
0.34 miles

PROJECT NO. 1

EXCAVATION

Roadside Brushing
Grade and Shape

0.34	mile @	\$600.00	per mile =	\$204.55
18.00	sta @	\$15.50	per sta =	\$279.00

PROJECT NO. 1 TOTAL COST = \$483.55

TOTAL COST = \$483.55

SUMMARY OF CONSTRUCTION COST

Timber Sale: Pride of Doty
Road Segment: Q to R

Timber Sale No. : 341-15-15
Construction : 10+50 stations
0.20 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	1.21	acres @	\$980.00	per acre =	\$1,181.13
Balanced Road Construction	7.50	sta @	\$90.00	per sta =	\$675.00
Drift	3.00	sta @	\$150.00	per sta =	\$450.00
Construct Turnout (1)	1	ea @	\$60.00	per ea =	\$60.00
Construct Turnaround (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	10.50	sta @	\$28.70	per sta =	\$301.35

PROJECT NO. 1 TOTAL COST = \$3,027.48

PROJECT NO. 2:

SURFACING

	12	" deep =	65 cy/sta			
Q to R	683	cy of	6" - 0	@	\$8.54 per cy =	\$5,832.82
Turnout (1)	22	cy of	6" - 0	@	\$8.54 per cy =	\$187.88
Turnaround (1)	20	cy of	6" - 0	@	\$8.54 per cy =	\$170.80
Landing (1)	180	cy of	6" - 0	@	\$8.54 per cy =	\$1,537.20
Total =	905					
	905	cy of	6" - 0		\$8.54 per cy =	\$7,728.70

PROJECT NO. 2 TOTAL COST = \$7,728.70

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.60 acres @	\$220.00 per acre =	\$132.58
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PROJECT NO. 3 TOTAL COST = \$132.58

TOTAL COST = \$10,888.76

ROCK DEVELOPMENT COST SUMMARY

Timber Sale: Pride of Doty
Sale Number: 341-15-15
Pit Name: Howdy Pit

Swell:	<u>1.30</u>	Pit Run (trk measure)	<u>4,212 cy</u>
Shrinkage:	<u>1.16</u>	Total Truck Yardage:	<u>4,212 cy</u>
Drill Pct.:	<u>100%</u>	Total In Place Yardage:	<u>3,240 cy</u>

Scalp & Clear Overburden:	<u>\$150.00 /hr</u> x	<u>10 hr</u>	=	<u>\$1,500.00</u>
Rip Rock:	<u>\$1.90 /cy</u> x	<u>3,240 cy</u>	=	<u>\$6,156.00</u>
Push Rock:	<u>\$0.70 /cy</u> x	<u>4,212 cy</u>	=	<u>\$2,948.40</u>
Load Dump Truck:	<u>\$0.70 /cy</u> x	<u>4,212 cy</u>	=	<u>\$2,948.40</u>
		Subtotal		<u>\$13,552.80</u>

Equipment Cleaning \$0.00

Within Area Move - Excavator	<u>\$134.40</u>
Within Area Move - D-8	<u>\$45.30</u>
Clean Up Pit	<u>\$300.00</u>
Subtotal	<u>\$479.70</u>

ROCK DEVELOPMENT COST = \$3.33/cy

TOTAL PRODUCTION COST \$14,032.50

TIMBER SALE SUMMARY

Pride of Doty

Contract No. 341-15-15

1. **Location:** Portions of Sections 21, 22, 26 and 27, T3N, R6W, W.M.
2. **Type of Sale:** Three Sale Areas of Modified Clearcut. The timber will be sold on a recovery basis at a sealed bid auction.
3. **Revenue Distribution:** 100% BOF, Tillamook County, Tax Code 56-1.
4. **Sale Acreage:** This timber sale is 194 total acres. Acres are net of stream buffers and road prisms. Acreage was determined using ESRI ArcMap GIS software.
5. **Cruise:** The Timber Sale was cruised by ODF Cruisers in July of 2014. For more information see Cruise Report.
6. **Timber Description:** The Timber Sale Area consists of medium to well stocked 74 year old Douglas-fir stands with minor amounts of western hemlock and noble fir. The following table summarizes stand conditions for Douglas-fir only:

	Trees/Acre	Average Diameter	Net MBF Per Acre
Area 1	51	25"	42.9
Area 2	71	23"	50.5
Area 3	68	24"	52.3

7. **Topography and Logging Method:** Slopes within the sale areas range from 10% to 75% and are variable in aspect. Area 1 is 13% ground-based yarding, and 87% cable-based yarding. Area 2 is 25% ground-based yarding and 75% cable-based logging. Area 3 is 48% ground base logging and 52% cable. As configured in the Logging Plan, the approximate horizontal yarding distances are as shown below:

	Area 1		Area 2		Area 3	
	Average	Maximum	Average	Maximum	Average	Maximum
Tractor	175	650	175	420	225	450
Cable	413*	1320	217*	1220	242*	1146

*Yarding distances are ½ the average horizontal cable corridor length or estimated skid trail length.

8. **Access:** The access route consists of surfaced all-weather roads. From Forest Grove, travel north on Highway 8 to its junction with Highway 6. Turn left and continue west approximately 3 ½ miles to the Timber Road. Turn right, proceed north approximately 6 ½ miles and turn onto Cochran Road. Go west on the Cochran road approximately 6 ¾ miles to the Giveout Mountain Road. Turn right and continue ¼ mile to the first spur. Turn right and proceed approximately ½ mile to Area 3

9. **Projects:**

Project No. 1: Road Construction and Improvement	\$18,598.81
Project No. 2: Road Surfacing	\$30,216.37
Project No. 3: Grass Seed, Fertilization and Mulch	\$622.47
Move in and equipment cleaning;	\$5,926.30

Total Credit for all Projects (rounded)

\$55,650

**CRUISE REPORT
PRIDE OF DOTY
341-15-15**

1. LOCATION: Portions of Sections 21, 22, 26 and 27, T3N, R6W, W.M.

2. CRUISE DESIGN:

The cruise design assumed a Coefficient of Variation (CV%) of 55%, an average stand diameter of 24 inches, a desired sampling error (SE%) of 8% and a minimum sample size of 100 grade trees. Pre-cruise plots indicated that approximately 5 trees per plot could be realized with a 40 BAF prism.

3. SAMPLING METHOD:

The Sale Area was/were cruised in July, 2014 with 36 variable radius (grade) plots and 25 variable radius count plots using a 40 BAF prism. Plots were laid out on a 6 chain x 4 chain grid for Areas 1 & 2, and 5 chains x 4 chains in Area 3. Plots falling on or near existing roads or no-harvest areas were offset 1 chain.

4. CRUISE RESULTS

179 trees were measured and graded producing a cumulative sampling error on Douglas-fir basal area of 4.7% and 4.7% on the Board Foot Volume.

5. TREE MEASUREMENT AND GRADING:

All grade plot sample trees were measured and graded following Columbia River Log Scale grade rules and favoring 40 foot segments.

a) **Height Standards:**

Total tree heights were measured to the nearest foot. Bole heights were calculated to a six inch top.

b) **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest inch.

c) **Form Factors** were measured for each grade tree using a form point of 16 feet.

5. DATA PROCESSING

a) **Volumes and Statistics**, Cruise and grown forward volume estimates, and sampling statistics, were derived from Super Ace 2008 cruise software.

b) **Deductions:** Two percent of the volume was subtracted from the computed volumes to account for hidden defect and breakage.

6. Cruisers: The sale was cruised by ODF cruisers Mark Savage and Peter Stone.

Prepared by: _____
ODF Forester Date

Reviewed by: _____
Eric Foucht Date

TC PSTATS			PROJECT STATISTICS						PAGE	1		
			PROJECT		PRIDE				DATE	8/6/2014		
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
03N	06	27	00A1	00MC		194.00	62	336	S	W		
03N	06W	27	00A2	00MC								
03N	06W	27	00A3	00MC								
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			62	336	5.4							
CRUISE			36	179	5.0	13,389	1.3					
DBH COUNT												
REFOREST												
COUNT			25	122	4.9							
BLANKS			1									
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			168	65.3	24.2	137	42.4	208.3	48,542	47,805	10,094	10,094
NOB FIR			6	1.3	23.4	136	0.8	3.8	901	901	193	193
WHEMLOCK			5	2.5	15.5	91	0.8	3.2	632	628	139	139
TOTAL			179	69.0	23.9	135	44.0	215.4	50,075	49,334	10,426	10,426
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			50.7	3.9	885	921	957					
NOB FIR			13.6	6.1	664	707	750					
WHEMLOCK			78.6	39.1	296	486	676					
TOTAL			51.4	3.8	867	901	936	105	26	12		
CL	68.1	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR			45.5	3.5	185	192	199					
NOB FIR			12.4	5.5	143	152	160					
WHEMLOCK			73.0	36.3	65	102	139					
TOTAL			46.2	3.5	182	188	195	85	21	9		
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			52.3	6.6	61	65	70					
NOB FIR			372.0	47.2	1	1	2					
WHEMLOCK			418.9	53.2	1	2	4					
TOTAL			49.8	6.3	65	69	73	99	25	11		
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			37.2	4.7	198	208	218					
NOB FIR			361.2	45.8	2	4	6					
WHEMLOCK			340.4	43.2	2	3	5					
TOTAL			34.0	4.3	206	215	225	46	12	5		
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			36.8	4.7	45,575	47,805	50,036					
NOB FIR			362.5	46.0	486	901	1,315					
WHEMLOCK			371.9	47.2	332	628	924					
TOTAL			33.4	4.2	47,240	49,334	51,428	45	11	5		
CL	68.1	COEFF	NET CUFT FT/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR			36.9	4.7	9,621	10,094	10,567					

TC PSTATS		PROJECT STATISTICS							PAGE	2
		PROJECT		PRIDE			DATE		8/6/2014	
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
03N	06	27	00A1	00MC	194.00	62	336	S	W	
03N	06W	27	00A2	00MC						
03N	06W	27	00A3	00MC						
CL	68.1		COEFF	NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
NOB FIR			362.0	45.9	105	193	282			
WHEMLOCK			354.9	45.0	76	139	202			
TOTAL			33.4	4.2	9,984	10,426	10,868	45	11	5

TC TLOGSTVB				Log Stock Table - MBF																
				Project: PRIDE																
T03N R06W S27 T00MC										T03N R06W S27 T00M										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
03N	06W	27	00A1	00MC	69.00	22	63	Date	8/6/2014											
										Time	10:10:46AM									
Spp	S	So	Gr	Log	Gross	%	Net	%	Net Volume by Scaling Diameter in Inches											
									MBF	Def	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19
DF			CU	5																
DF			CU	6																
DF			2M	26	26		26	.9									26			
DF			2M	38	25		25	.8						25						
DF			2M	40	2,272	2.0	2,225	75.2						123	514	982	578	29		
DF			3M	30	3		3	.1				3								
DF			3M	32	6		6	.2				6								
DF			3M	34	17		17	.6				17								
DF			3M	36	15		15	.5			7	8								
DF			3M	38	20		20	.7			12	7								
DF			3M	40	521	.8	516	17.4			13	36	208	149	90	21				
DF			4M	12	1		1	.0				1								
DF			4M	14	3		3	.1					3							
DF			4M	16	4		4	.1			4									
DF			4M	18	7		7	.2			4	3								
DF			4M	20	6		6	.2			1	4								
DF			4M	22	3		3	.1			3									
DF			4M	24	3		3	.1			3									
DF			4M	26	10		10	.3			8	2								
DF			4M	28	18		18	.6			18									
DF			4M	30	18		18	.6			18									
DF			4M	32	13		13	.5			7	7								
DF			4M	34	10		10	.3			10									
DF			4M	38	5		5	.2			5									
DF			4M	40	4		4	.2			4									
DF			Totals		3,011	1.7	2,960	96.6			119	94	211	296	604	1002	604	29		
WH			2M	40	32		32	70.0					9		23					
WH			4M	32	2		2	4.8			2									
WH			4M	40	11		11	25.2			11									
WH			Totals		45		45	1.5			14		9		23					
NF			2M	40	37		37	62.9							19	18				
NF			3M	40	17		17	29.5					8	10						
NF			4M	22	2		2	3.5			2									
NF			4M	34	2		2	4.1			2									
NF			Totals		59		59	1.9			4		8	10	19	18				
Total All Species					3,115	1.6	3,064	100.0			137	94	219	314	623	1044	604	29		

TC			TLOGSTVB																	Log Stock Table - MBF									
																				Project: PRIDE									
T03N R06W S27 T00MC																	T03N R06W S27 T00M												
Twp			Rge			Sec			Tract			Type			Acres			Plots			Sample Trees			Page			1		
03N			06W			27			00A2			00MC			60.00			19			52			Date			8/6/2014		
																					Time			10:16:34AM					
Spp	S	T	So	Gr	Log	Len	Gross	% Def	Net	MBF	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+					
DF				CU	3																								
DF				CU	12																								
DF				CU	24																								
DF				2M	16		21		21		.7													21					
DF				2M	40		2,123	1.4	2,093		69.1							77		385	968		450	166		47			
DF				3M	26		2		2		.1					2													
DF				3M	32		7		7		.2							7											
DF				3M	34		16		16		.5							9	8										
DF				3M	36		17		17		.6				8	9													
DF				3M	38		10		10		.3				6			4											
DF				3M	40		792	.9	785		25.9				76	128		251	231	99									
DF				4M	12		3		3		.1				3														
DF				4M	16		6		6		.2				4	1													
DF				4M	18		2		2		.1				2														
DF				4M	24		9		9		.3				9														
DF				4M	26		17		17		.6				14			3											
DF				4M	30		8		8		.3				8														
DF				4M	32		10		10		.3				10														
DF				4M	34		14		14		.4				14														
DF				4M	36		5		5		.2				5														
DF				4M	38		5		5		.2				5														
DF				Totals			3,067	1.2	3,030		97.5				164	140		274	316	484	968		471	166		47			
WH				2M	40		42		42		54.5										42								
WH				3M	40		30	2.7	29		37.9				11			18											
WH				4M	12		2		2		2.1				2														
WH				4M	30		2		2		2.3				2														
WH				4M	36		2		2		3.2				2														
WH				Totals			77	1.0	76		2.5				17			18			42								
Total All Species							3,144	1.2	3,107	100.0				181	140		274	334	484	1010		471	166		47				

TC TLOGSTVB				Log Stock Table - MBF Project: PRIDE																
T03N R06W S27 T00MC										T03N R06W S27 T00M										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
03N	06W	27	00A3	00MC	65.00	21	64	Date	8/6/2014											
										Time	10:22:06AM									
Spp	S	So	Gr	Log	Gross	% Def	Net	% 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+
DF			CU	4																
DF			CU	5																
DF			2M	16	16		16	.5							16					
DF			2M	38	34		34	1.0									34			
DF			2M	40	2,538	2.0	2,487	75.7					4	193	302	915	772	301		
DF			3M	30	3		3	.1					3							
DF			3M	32	19		19	.6			5	14								
DF			3M	34	9		9	.3						9						
DF			3M	36	15		15	.5				7	8							
DF			3M	38	3		3	.1				3								
DF			3M	40	592	.7	588	17.9			37	129	145	228	49					
DF			4M	12	3		3	.1			3									
DF			4M	14	4		4	.1			2	2								
DF			4M	16	12		12	.4			11	1								
DF			4M	18	14		14	.4			2	12								
DF			4M	20	8		8	.2			2		6							
DF			4M	24	2		2	.1			2									
DF			4M	26	11		11	.3			9	2								
DF			4M	28	10		10	.3			5	5								
DF			4M	30	6		6	.2			3	3								
DF			4M	32	10		10	.3			7	3								
DF			4M	34	11		11	.3			4	7								
DF			4M	36	9		9	.3			9									
DF			4M	38	5		5	.2			5									
DF			4M	40	5		5	.2			5									
DF			Totals		3,339	1.6	3,284	96.6			109	190	167	420	359	931	772	335		
NF			2M	40	73		73	63.0							73					
NF			3M	36	3		3	2.2			3									
NF			3M	40	35		35	30.1					35							
NF			4M	24	1		1	1.3			1									
NF			4M	28	2		2	1.6			2									
NF			4M	30	2		2	1.9			2									
NF			Totals		116		116	3.4			8		35		73					
Total All Species					3,455	1.6	3,400	100.0			117	190	167	455	359	1004	772	335		

T	Species, Sort Grade - Board Foot Volumes (Type)										Page 1								
Project: PRIDE										Date	8/6/2014								
										Time	10:10:46AM								
T03N R06W S27 T00MC										T03N R06W S27 T00MC									
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt										
03N	06W	27	00A1	00MC	69.00	22	63	S	W										
S So Gr T rt ad Spp		% 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	Dia In	Bd Ft	CF/ Lf			
					4-5		6-11	12-16	17+	12-20	21-30	31-35						36-99	
DF	CU														5	14		0.00	2.4
DF	2M	76	2.0	33,668	32,993	2,277		38	62		1		99		40	17	446	2.32	74.0
DF	3M	20	.7	8,423	8,361	577		55	41	4		0	4	95	39	10	157	0.98	53.4
DF	4M	4		1,543	1,543	106		100			19	50	22	9	26	7	39	0.49	39.6
DF	Totals	97	1.7	43,634	42,897	2,960		14	37	49	1	3	2	95	36	12	253	1.54	169.4
WH	2M	70		460	460	32		27	73				100		40	15	365	1.74	1.3
WH	4M	30		197	197	14		100					16	84	39	6	58	0.44	3.4
WH	Totals	1		657	657	45		30	19	51			5	95	39	8	141	0.80	4.6
NF	2M	62		538	538	37		51	49				100		40	16	403	2.05	1.3
NF	3M	30		252	252	17		45	55				100		40	11	189	1.04	1.3
NF	4M	8		65	65	4		100				47	53		27	7	49	0.51	1.3
NF	Totals	2		856	856	59		21	48	31		4	4	92	36	11	214	1.28	4.0
Type Totals			1.6	45,146	44,410	3,064		15	37	48	1	3	2	95	36	12	249	1.52	178.1

T	Species, Sort Grade - Board Foot Volumes (Type)										Page		1				
	Project: PRIDE										Date		8/6/2014				
											Time		10:16:34AM				
T03N R06W S27 T00MC										T03N R06W S27 T00MC							
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt								
03N	06W	27	00A2	00MC	60.00	19	52	S	W								
S So Gr T rt ad Spp		% 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 Dia	Bd	CF/ Lf		
							4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft In	Ft	
DF		CU													11	25	0.00
DF		2M	69	1.4	35,740	35,240	2,114		27	73	1			99	40	17	491 2.34
DF		3M	28	.8	14,086	13,966	838	60	40			0	3	97	40	10	141 0.85
DF		4M	3		1,295	1,295	78	100			13	44	30	13	26	6	39 0.43
DF	Totals		98	1.2	51,120	50,501	3,030	19	30	51	1	1	2	96	37	12	245 1.36
WH		2M	54		695	695	42			100				100	40	18	496 2.22
WH		3M	38	2.7	497	483	29	39	61					100	40	9	118 0.78
WH		4M	8		96	96	6	100			28	30		42	19	6	24 0.40
WH	Totals		2	1.0	1,288	1,275	76	22	23	55	2	2		96	31	9	133 0.95
Type Totals				1.2	52,408	51,775	3,107	19	30	51	1	1	2	96	37	12	240 1.34

T	Species, Sort Grade - Board Foot Volumes (Type)										Page		1						
	Project: PRIDE										Date		8/6/2014						
											Time		10:22:06AM						
T03N R06W S27 T00MC										T03N R06W S27 T00MC									
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt										
03N	06W	27	00A3	00MC	65.00	21	64	S	W										
S So Gr T rt ad Spp		% 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 Dia	Bd	CF/ Lf				
DF		CU																	
DF		2M	77	2.0	39,820	39,035	2,537	0	35	65	1			99	40	17	487	2.40	80.1
DF		3M	19	.6	9,867	9,808	637	55	45			1	4	95	39	10	143	0.91	68.7
DF		4M	4		1,685	1,685	110	100			37	27	19	17	23	7	37	0.51	45.1
DF	Totals		97	1.6	51,372	50,527	3,284	14	36	50	2	1	1	96	35	12	258	1.53	195.8
NF		2M	62		1,121	1,121	73		24	76				100	40	17	460	2.28	2.4
NF		3M	33		576	576	37	7	93					100	39	11	186	1.09	3.1
NF		4M	5		83	83	5	100				100			27	7	47	0.55	1.8
NF	Totals		3		1,780	1,780	116	7	45	48		5		95	37	12	243	1.43	7.3
Type Totals				1.6	53,152	52,308	3,400	14	36	50	2	1	1	96	35	12	258	1.53	203.1

TC		TSTNDSUM														Stand Table Summary																									
														Project														PRIDE													
T03N R06W S27 T00MC																												T03N R06W S27 T00MC													
Twp		Rge		Sec		Tract		Type				Acres		Plots		Sample		Trees		Page:		1																			
03N		06W		27		00A1		00MC				69.00		22		63				Date:		08/06/2014																			
																				Time:		10:10:47AM																			
S	T	Sample		FF	Ht	Av	Trees/	BA/	Logs	Average Log		Tons/	Net	Net	Tons/	Cu.Ft.	Bd.Ft.	T o t a l s																							
		DBH	Trees							Net	Net							Acres	Acres	Acres	Tons	Cunits	MBF																		
DF		18	2	88	125		3.837	6.78	11.51	25.6	108.3	8.39	294	1,247	579	203	86																								
DF		19	1	84	101		1.722	3.39	3.44	36.4	125.0	3.57	125	430	246	86	30																								
DF		20	7	87	134		10.876	23.73	29.52	35.7	161.1	30.07	1,055	4,755	2,075	728	328																								
DF		21	4	87	138		5.637	13.56	16.91	37.8	175.0	18.22	639	2,960	1,258	441	204																								
DF		22	1	87	144		1.284	3.39	3.85	41.6	193.3	4.57	160	745	316	111	51																								
DF		23	3	88	144		3.525	10.17	10.57	47.7	215.6	14.36	504	2,279	991	348	157																								
DF		24	1	88	139		1.079	3.39	3.24	48.6	233.3	4.48	157	755	309	109	52																								
DF		25	2	90	146		1.989	6.78	6.96	51.7	260.0	10.26	360	1,810	708	248	125																								
DF		26	6	87	137		5.516	20.34	16.55	59.5	268.3	28.04	984	4,441	1,935	679	306																								
DF		27	7	86	137		5.968	23.73	17.90	62.3	290.5	31.77	1,115	5,201	2,192	769	359																								
DF		28	4	85	142		3.171	13.56	9.51	70.2	315.8	19.04	668	3,005	1,314	461	207																								
DF		29	5	86	137		3.695	16.95	10.35	78.2	374.3	23.06	809	3,872	1,591	558	267																								
DF		30	4	85	143		2.762	13.56	8.29	80.0	375.8	18.90	663	3,114	1,304	458	215																								
DF		31	3	84	149		1.940	10.17	5.17	94.3	457.5	13.91	488	2,367	960	337	163																								
DF		32	2	83	106		1.214	6.78	3.03	87.1	360.0	7.53	264	1,093	520	182	75																								
DF		33	4	82	143		2.283	13.56	6.85	96.8	446.7	18.90	663	3,059	1,304	458	211																								
DF		34	1	82	133		.538	3.39	1.08	133.6	585.0	4.09	144	629	282	99	43																								
DF		36	1	79	122		.480	3.39	1.44	96.6	366.7	3.96	139	528	273	96	36																								
DF		39	1	79	134		.409	3.39	.82	175.6	745.0	4.09	144	609	282	99	42																								
DF		Totals		59	86	136	57.924	200.00	167.00	56.1	256.9	267.23	9,377	42,897	18,439	6,470	2,960																								
NF		21	1	85	132		.756	1.82	2.27	39.0	183.3	2.12	88	416	147	61	29																								
NF		24	1	85	141		.579	1.82	1.74	54.8	253.3	2.29	95	440	158	66	30																								
NF		Totals		2	85	136	1.335	3.64	4.00	45.9	213.7	4.41	184	856	304	127	59																								
WH		11	1	85	67		2.755	1.82	2.76	17.1	60.0	1.51	47	165	104	33	11																								
WH		23	1	94	135		.630	1.82	1.89	51.6	260.0	3.12	98	492	216	67	34																								
WH		Totals		2	87	80	3.385	3.64	4.65	31.2	141.4	4.63	145	657	320	100	45																								
Totals				63	86	133	62.644	207.27	175.65	55.3	252.8	276.28	9705	44,410	19,063	6,697	3,064																								

TC		TSTNDSUM													Stand Table Summary												
Project															PRIDE												
T03N R06W S27 T00MC															T03N R06W S27 T00MC												
Twp	Rge	Sec	Tract	Type					Acres		Plots	Sample Trees			Page:		1										
03N	06W	27	00A2	00MC					60.00		19	52			Date:		08/06/2014										
															Time:		10:16:33AM										
S Spc	T	Sample		FF	Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net	Net	Tons	T o t a l s												
		DBH	Trees	16'	Tot				Net Cu.Ft.	Net Bd.Ft.		Cu.Ft. Acre	Bd.Ft. Acre		Cunits	MBF											
DF		14	1	87	122	3.939	4.21	7.88	20.0	90.0	4.49	158	709	270	95	43											
DF		15	1	88	92	3.431	4.21	6.86	20.6	90.0	4.03	141	618	242	85	37											
DF		16	2	88	117	6.031	8.42	12.06	27.8	122.5	9.55	335	1,478	573	201	89											
DF		17	1	89	144	2.671	4.21	8.01	25.5	110.0	5.82	204	882	349	123	53											
DF		18	1	92	151	2.383	4.21	7.15	30.6	146.7	6.24	219	1,048	374	131	63											
DF		19	1	91	149	2.138	4.21	6.42	35.3	173.3	6.45	226	1,112	387	136	67											
DF		20	5	87	141	9.650	21.05	28.95	34.5	153.3	28.45	998	4,439	1,707	599	266											
DF		21	3	88	148	5.252	12.63	15.75	41.0	195.6	18.41	646	3,081	1,105	388	185											
DF		23	4	89	151	5.837	16.84	17.51	51.3	241.7	25.58	898	4,232	1,535	539	254											
DF		24	3	86	144	4.021	12.63	12.06	52.1	241.1	17.91	628	2,908	1,075	377	175											
DF		25	3	87	150	3.706	12.63	11.12	59.2	280.0	18.74	658	3,113	1,124	395	187											
DF		26	7	88	151	7.994	29.47	26.27	58.9	291.3	44.08	1,547	7,651	2,645	928	459											
DF		27	3	88	148	3.177	12.63	10.59	57.7	287.0	17.42	611	3,039	1,045	367	182											
DF		28	1	90	153	.985	4.21	3.94	59.9	325.0	6.72	236	1,280	403	142	77											
DF		29	3	88	149	2.754	12.63	8.26	79.4	398.9	18.70	656	3,295	1,122	394	198											
DF		30	2	89	149	1.716	8.42	5.15	87.6	456.7	12.86	451	2,350	771	271	141											
DF		31	1	86	153	.803	4.21	2.41	91.9	466.7	6.31	221	1,125	379	133	67											
DF		32	2	89	151	1.508	8.42	4.52	97.4	525.0	12.56	441	2,375	754	264	142											
DF		36	2	87	147	1.191	8.42	4.17	104.3	517.1	12.40	435	2,156	744	261	129											
DF		37	1	89	159	.564	4.21	1.69	137.4	776.7	6.63	233	1,314	398	140	79											
DF		40	1	89	145	.482	4.21	1.45	154.2	833.3	6.36	223	1,206	382	134	72											
DF		42	1	90	161	.438	4.21	1.31	149.1	830.0	5.58	196	1,090	335	117	65											
DF		Totals	49	88	141	70.670	206.32	203.53	50.9	248.1	295.29	10,361	50,501	17,717	6,217	3,030											
WH		12	1	86	85	2.681	2.11	5.36	11.9	40.0	2.04	64	214	123	38	13											
WH		23	1	98	133	.730	2.11	2.19	51.3	270.0	3.60	112	591	216	67	35											
WH		24	1	85	141	.670	2.11	2.01	53.1	233.3	3.42	107	469	205	64	28											
WH		Totals	3	88	103	4.080	6.32	9.56	29.6	133.3	9.06	283	1,275	543	170	76											
Totals			52	88	139	74.750	212.63	213.09	50.0	243.0	304.35	10644	51,775	18,261	6,386	3,107											

TC		TSTNDSUM													Stand Table Summary														
															Project			PRIDE											
T03N R06W S27 T00MC															T03N R06W S27 T00MC														
Twp		Rge		Sec		Tract		Type			Acres		Plots		Sample Trees			Page:		1									
03N		06W		27		00A3		00MC			65.00		21		64			Date:		08/06/2014									
															Time:		10:22:05AM												
S	T	Sample		Av		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net		Tons	Cunits	MBF													
		DBH	Trees	FF 16'	Ht Tot				Net Cu.Ft.	Net Bd.Ft.		Cu.Ft. Acre	Bd.Ft. Acre																
DF		12	1	85	81	4.648	3.65	4.65	9.9	40.0	1.31	46	186	85	30	12													
DF		17	2	89	119	4.632	7.30	11.58	25.8	110.0	8.51	299	1,274	553	194	83													
DF		18	4	89	130	8.264	14.60	24.79	27.2	120.0	19.21	674	2,975	1,249	438	193													
DF		19	1	88	119	1.854	3.65	5.56	26.9	116.7	4.26	150	649	277	97	42													
DF		20	1	90	129	1.673	3.65	5.02	33.5	146.7	4.79	168	736	311	109	48													
DF		21	1	87	143	1.518	3.65	4.55	39.9	196.7	5.17	182	896	336	118	58													
DF		22	4	87	129	5.532	14.60	16.60	38.3	175.8	18.13	636	2,918	1,178	414	190													
DF		23	7	88	148	8.857	25.56	26.57	48.0	223.3	36.32	1,274	5,934	2,361	828	386													
DF		24	5	89	135	5.810	18.25	17.43	50.4	232.7	25.02	878	4,056	1,626	571	264													
DF		25	2	89	140	2.142	7.30	6.43	56.2	265.0	10.29	361	1,703	669	235	111													
DF		26	2	83	138	1.980	7.30	5.94	58.3	256.7	9.88	347	1,525	642	225	99													
DF		27	5	90	145	4.591	18.25	14.69	64.9	324.4	27.19	954	4,765	1,767	620	310													
DF		28	2	88	156	1.708	7.30	5.12	75.8	375.0	11.07	388	1,921	720	252	125													
DF		29	5	89	147	3.980	18.25	11.94	79.4	400.0	27.01	948	4,775	1,756	616	310													
DF		30	3	85	142	2.231	10.95	6.69	80.4	392.2	15.33	538	2,625	997	350	171													
DF		31	2	84	143	1.393	7.30	4.18	85.0	390.0	10.12	355	1,630	658	231	106													
DF		32	3	85	150	1.961	10.95	5.88	96.7	467.8	16.22	569	2,752	1,054	370	179													
DF		33	1	83	138	.615	3.65	1.84	92.7	436.7	4.87	171	805	317	111	52													
DF		34	3	85	143	1.737	10.95	5.21	104.8	508.9	15.56	546	2,652	1,011	355	172													
DF		35	1	90	162	.546	3.65	2.19	96.1	557.5	5.99	210	1,219	389	137	79													
DF		36	1	83	158	.516	3.65	1.55	123.2	643.3	5.44	191	997	354	124	65													
DF		37	1	81	141	.489	3.65	1.47	121.3	596.7	5.07	178	875	330	116	57													
DF		38	2	84	145	.927	7.30	2.78	131.7	633.3	10.44	366	1,761	679	238	114													
DF		39	1	81	156	.440	3.65	1.32	135.9	680.0	5.11	179	898	332	117	58													
DF		Totals		60	88	134	68.046	219.05	193.99	54.7	260.5	302.33	10,608	50,527	19,652	6,895	3,284												
NF		23	2	87	143	1.320	3.81	3.96	50.1	235.0	4.76	199	931	310	129	61													
NF		25	2	88	130	1.118	3.81	3.35	54.7	253.3	4.40	183	849	286	119	55													
NF		Totals		4	87	137	2.438	7.62	7.31	52.2	243.4	9.17	382	1,780	596	248	116												
Totals				64	88	134	70.484	226.67	201.30	54.6	259.8	311.50	10990	52,308	20,247	7,144	3,400												

VOLUME SUMMARY

(Shown in MBF)

Pride of Doty**341-15-15****August 2014****AREA 1: MC (69 ACRES)**

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	2,277	577	106	2,960
	Hidden D&B (2%)	(46)	(12)	(2)	(59)
	NET TOTAL	2,231	565	104	2,901
	% of Total	77	19	4	

AREA 2: MC (60 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	2,114	838	78	3,030
	Hidden D&B (2%)	(42)	(17)	(2)	(61)
	NET TOTAL	2,072	821	76	2,969
	% of Total	70	28	3	

AREA 3: MC (65 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	2,537	637	110	3,284
	Hidden D&B (2%)	(51)	(13)	(2)	(66)
	NET TOTAL	2,486	624	108	3,218
	% of Total	77	19	3	

SALE TOTAL

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir		6,789	2,010	288	9,087

LOGGING PLAN

FOR TIMBER SALE CONTRACT # 341-15-15
PRIDE OF DOTY
PORTIONS OF SECTIONS 21, 22, 26, & 27, T3N, R6W, W.M.
TILLAMOOK COUNTY, OREGON

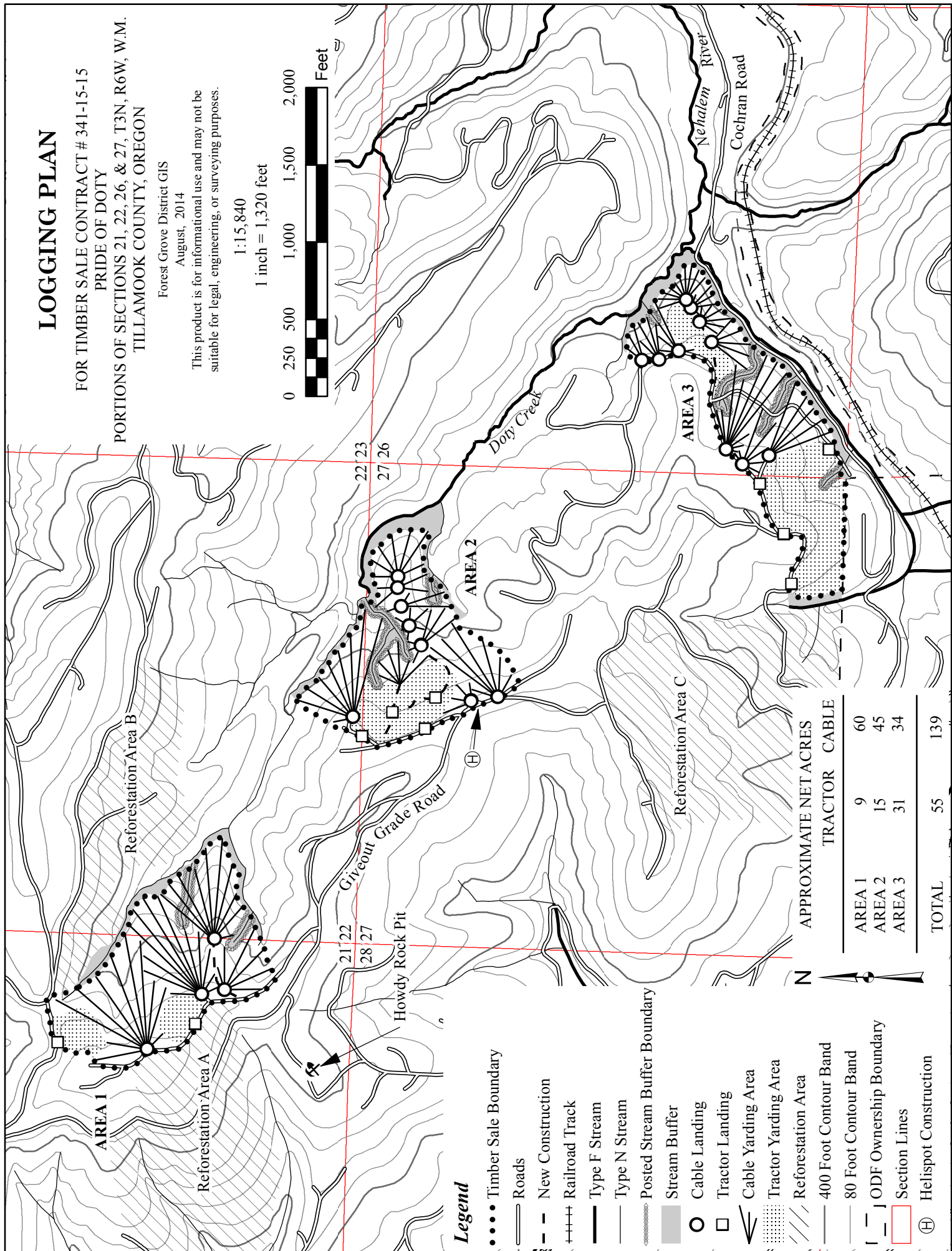
Forest Grove District GIS
August, 2014

This product is for informational use and may not be
suitable for legal, engineering, or surveying purposes.

1:15,840

1 inch = 1,320 feet

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



Legend

- Timber Sale Boundary
- Roads
- - - New Construction
- ++++ Railroad Track
- Type F Stream
- Type N Stream
- Posted Stream Buffer Boundary
- Stream Buffer
- Cable Landing
- Tractor Landing
- ↘ Cable Yarding Area
- ▨ Tractor Yarding Area
- ▨ Reforestation Area
- 400 Foot Contour Band
- 80 Foot Contour Band
- ODF Ownership Boundary
- Section Lines
- ⊕ Helispot Construction

APPROXIMATE NET ACRES

	TRACTOR	CABLE
AREA 1	9	60
AREA 2	15	45
AREA 3	31	34
TOTAL	55	139