



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Point Belding  
Sale FG-341-2023-W00528-01

District: Forest Grove

Date: August 09, 2022

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**Cost Summary**

	<b>Conifer</b>	<b>Hardwood</b>	<b>Total</b>
<b>Gross Timber Sale Value</b>	\$3,520,517.04	\$0.00	\$3,520,517.04
		<b>Project Work:</b>	(\$447,910.00)
		<b>Advertised Value:</b>	\$3,072,607.04



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### Timber Description

**Location:**

**Stand Stocking: 20%**

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	16	0	98
Western Hemlock / Fir	14	0	98

Volume by Grade	2S	3S & 4S 6"-11"	Total
Douglas - Fir	2,896	4,793	7,689
Western Hemlock / Fir	303	809	1,112
<b>Total</b>	3,199	5,602	8,801

**Comments:** Pond Values Used: Local Pond Values, June 2022.

Noble fir and Other Conifers Stumpage Price = Pond Value minus Logging Cost:  
\$208.71/MBF = \$712.54/MBF - \$503.83/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:  
\$823.00/MBF = \$1,326.00/MBF - \$503.00/MBF

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:  
\$167.00/MBF = \$670/MBF - \$503.00/MBF

BRANDING AND PAINTING COST ALLOWANCE = \$2.00/MBF

FUEL COST ALLOWANCE = \$5.00/Gallon

HAULING COST ALLOWANCE  
Hauling costs equivalent to \$1,200 daily truck cost.

Other Costs (with Profit & Risk to be added):  
Truck Assist: 200 hours @ \$70/hour = \$14,000  
TOTAL Other Costs (with Profit & Risk to be added) = \$14,000

Other Costs (No Profit & Risk added):  
Machine Time to Block/Waterbar Roads, and Skid Trails:  
20 hours x \$150/hour = \$3,000  
Machine Time to Pile Landing Slash:  
10 hours x \$150/hour = \$1,500  
Equipment Cleaning: 3 pieces x \$1,000/Piece = \$3,000  
TOTAL Other Costs (No Profit & Risk added) = \$7,500

SLASH TREATMENT: 6 acres x \$250/acre = \$1,500

ROAD MAINTENANCE  
(Includes: Move-in, Grading, Rolling and Spot Rocking)  
Move-in = \$3296.50  
General Road Maintenance: 16.12miles X \$2,086.96 = \$33,641.79  
TOTAL Road Maintenance: \$36,938.29 / 8801 MBF = \$4.20/MBF



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### Logging Conditions

**Combination#: 1**  
Douglas - Fir 73.65%  
Western Hemlock / Fir 76.42%

**Logging System:** Cable: Large Tower >=70 **Process:** Harvester Head Delimiting  
**yarding distance:** Long (1,500 ft) **downhill yarding:** No  
**tree size:** Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF  
**loads / day:** 6 **bd. ft / load:** 4000  
**cost / mbf:** \$335.93  
**machines:** Log Loader (A)  
Forwarder  
Harvester  
Tower Yarder (Large)

**Combination#: 2**  
Douglas - Fir 26.35%  
Western Hemlock / Fir 23.58%

**Logging System:** Shovel **Process:** Harvester Head Delimiting  
**yarding distance:** Short (400 ft) **downhill yarding:** No  
**tree size:** Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF  
**loads / day:** 12 **bd. ft / load:** 4000  
**cost / mbf:** \$111.33  
**machines:** Forwarder  
Harvester



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### Logging Costs

<b>Operating Seasons:</b> 2.00	<b>Profit Risk:</b> 20%
<b>Project Costs:</b> \$447,910.00	<b>Other Costs (P/R):</b> \$14,000.00
<b>Slash Disposal:</b> \$1,500.00	<b>Other Costs:</b> \$7,500.00

**Miles of Road**

**Road Maintenance:** \$4.20

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	4.6
Western Hemlock / Fir	\$0.00	3.0	3.2



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### Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
<b>Douglas - Fir</b>									
\$276.74	\$4.28	\$1.00	\$133.04	\$1.59	\$83.33	\$0.17	\$2.00	\$0.85	\$503.00
<b>Western Hemlock / Fir</b>									
\$282.97	\$4.28	\$1.00	\$127.50	\$1.59	\$83.47	\$0.17	\$2.00	\$0.85	\$503.83

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$930.68	\$427.68	\$0.00
Western Hemlock / Fir	\$0.00	\$712.54	\$208.71	\$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

**Unamortized**

Specie	MBF	Value	Total
Douglas - Fir	7,689	\$427.68	\$3,288,431.52
Western Hemlock / Fir	1,112	\$208.71	\$232,085.52

**Gross Timber Sale Value**

Recovery: \$3,520,517.04

Prepared By: MARK SAVAGE

Phone: 503-359-7437

**TIMBER SALE SUMMARY**  
**Point Belding**  
**FG-341-2023-W00528-01**

1. **Location:** Portions of Sections 35 & 36, T3N, R7W. W.M., Tillamook County, Oregon and portions of Sections 1 & 2, T2N, R7W, W.M., Tillamook County, Oregon.
2. **Type of Sale:** This timber sale is 314 acres. It consists of two Partial Cut units, one Partial Cut Group Selection unit, and a Right-of-Way unit. Unit 1 (PC) is 184 acres, Unit 2 (PC) is 103 acres, Unit 3 (PC-GR) is a group selection clearcut area, for wildlife purposes, totaling 6 acres within Unit 1, and Unit 4 (R/W) is 21 acres. The timber will be sold on a recovery basis at a sealed bid auction.
3. **Revenue Distribution:** 100% BOF; Tillamook County, Tax Code 5600.
4. **Sale Acreage:** Acres are net of stream buffers and existing road prisms. Acreage was determined using ESRI ArcMap GIS software.
5. **Cruise:** The Timber Sale was cruised by ODF Cruisers Adrian Torres and Mark Savage in June of 2022. For more information see Cruise Report.
6. **Timber Description:** The Timber Sale Area consists of 69 to 83-year-old Douglas-fir timber with minor amounts of red alder, western hemlock, noble fir, and western red cedar.

The following table summarizes the ODF cruise estimates for trees to be harvested.

Sale Unit	Net Acres	Average DBH	Trees/Acre	Net MBF/Acre
Unit 1	184	16	106	23.8
Unit 2	103	16	156	27.6
Unit 3	6	16	174	59
Unit 4	21	17	230	61

7. **Topography and Logging Method:** Slopes within the sale areas range from 5% to 80% and are variable in aspect. Elevations range from 1,065 to 1,820 feet. The following table summarizes, in feet, the estimated maximum and average horizontal cable corridor length, the estimated maximum and average tractor skid trail length, as well as the percent harvest method for each Timber Sale Unit.

Sale Unit	Tractor			Cable		
	Average	Maximum	%	Average	Maximum	%
Unit 1	200	350	84	900	1,800	16
Unit 2	NA	NA	0	800	1,700	100
Unit 3	200	500	100	NA	NA	0
Unit 4	NA	NA	100	NA	NA	0

8. **Access:** All access to the Timber Sale Area is on surfaced all-weather roads. From Forest Grove, travel north on Highway 8 to its junction with Highway 6. Turn left and continue west on Highway 6 for 9.5 miles to Storey Burn Road. Turn right and continue on Storey Burn Road for 5.4 miles to a gate. Continue on Storey Burn Road for 1 mile to Standard Grade Road. Continue on Standard Grade Road for 6.1 miles to Sappington Creek Road. Turn right and continue on Sappington Creek Road 0.3 miles to Point Belding Road. Turn left and continue on Point Belding Road for 0.5 miles to access the southern portion of the Timber Sale Area. There is a gate along this route that will require a key, which can be obtained from the Forest Grove District Office.
9. **Projects:**

Project No. 1: Rocked Road Construction	\$390,890.91
Project No. 2: Road Improvement	\$57,019.09
Total Credits:	\$447,910.00



**PROJECT COST SUMMARY SHEET**

Timber Sale: Point Belding  
 Sale Number: FG-341-2023-W00528-01

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

	<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>	<u>10% Fuel Adjustment</u>
	B to C	4+40	\$45,988.83	\$50,587.72
	C to D	75+00	\$190,129.46	\$209,142.40
	E to F	10+55	\$21,250.90	\$23,375.99
	G to H	20+45	\$30,761.86	\$33,838.05
	I to J	3+15	\$5,853.86	\$6,439.25
	K to L	2+30	\$4,473.36	\$4,920.70
	M to N	8+00	\$12,793.06	\$14,072.37
	O to P	3+60	\$7,400.38	\$8,140.42
	Q to R	12+50	\$24,789.62	\$27,268.58
		135+55 stations		
		2.57 miles		
Total Rock =	385 cy	1½" - 0		
	157 cy	8" - 4		
	12,647 cy	Jaw-run		
		Move-in =	\$11,914.04	\$13,105.45
		<b>TOTAL PROJECT COST =</b>	<b>\$355,355.37</b>	<b>\$390,890.91</b>

**PROJECT NO. 2: ROAD IMPROVEMENT**

	<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>	<u>10% Fuel Adjustment</u>
	A to B	42+90	\$50,097.64	\$55,107.41
		42+90 stations		
		0.81 miles		
Total Rock =	270 cy	1½" - 0		
	2,088 cy	Jaw-run		
		Move-in =	\$1,737.90	\$1,911.69
		<b>TOTAL PROJECT COST =</b>	<b>\$51,835.54</b>	<b>\$57,019.09</b>

**TOTAL CREDITS = \$407,190.91**

**10% FUEL ALLOWANCE ADJUSTMENT TOTAL = \$40,719.09**

**TOTAL CREDITS WITH ADJUSTMENT = \$447,910.00**

**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding  
 Road Segment: A to B

Sale Number: FG-341-2023-W00528-01  
 Improvement: 42+90 stations  
0.81 miles

**PROJECT NO. 2: ROAD IMPROVEMENT**

**IMPROVEMENT**

Clearing & grubbing (scatter)	0.50	ac @	\$1,078.00	per acre =	\$539.00
Remove stumps	12.00	ea @	\$68.29	per ea =	\$819.48
Haul to Waste Area No. 2					
Roadside brushing	0.81	mi @	\$1,397.10	per mi =	\$1,135.14
Road widening (drift)	14.90	sta @	\$110.00	per sta =	\$1,639.00
Clean ditch & scatter waste material	42.90	sta @	\$60.00	per sta =	\$2,574.00
Clean culvert inlet & outlet, scatter waste	2	ea @	\$25.00	per ea =	\$50.00
Cutslope layback (1+85 to 13+10)					
Excavate & load	356	cy @	\$2.51	per cy =	\$893.56
Haul to Waste Area No. 1	463	cy @	\$2.04	per cy =	\$944.11
Shape and compact waste material	463	cy @	\$0.30	per cy =	\$138.84
Cutslope layback (23+20 to 29+95)					
Excavate & load	276	cy @	\$2.13	per cy =	\$587.88
Haul to Waste Area No. 1	359	cy @	\$1.47	per cy =	\$527.44
Shape and compact waste material	359	cy @	\$0.30	per cy =	\$107.64
Cutslope layback (40+00 to 42+90)					
Excavate & load	183	cy @	\$2.13	per cy =	\$389.79
Haul to Waste Area No. 1	238	cy @	\$1.47	per cy =	\$349.71
Shape and compact waste material	238	cy @	\$0.30	per cy =	\$71.37
Improve turnout	2	ea @	\$33.00	per ea =	\$66.00
Develop Waste Area No. 1	1	ea @	\$314.00	per ea =	\$314.00
Grade, ditch, & roll	42.90	sta @	\$36.00	per sta =	\$1,544.40

**TOTAL IMPROVEMENT COSTS = \$12,691.36**

**CULVERTS**

<b>Culverts and Bands</b>					
18" Diameter	240	LF @	\$20.00	per LF =	\$4,800.00
24" Diameter	30	LF @	\$29.00	per LF =	\$870.00
<b>Markers &amp; Stakes</b>					
Culvert markers	9	ea @	\$10.00	per ea =	\$90.00

**TOTAL CULVERT COSTS = \$5,760.00**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Subgrade rock</b>						
Bedding and backfill	1½" - 0	\$1.95	\$25.58	\$0.50	240	\$6,727.20
Subtotal =					240	\$6,727.20
<b>Surfacing rock</b>						
Surfacing rock	Jaw-run	\$7.64	\$2.55	\$1.22	1,802	\$20,560.82
Turnout	Jaw-run	\$7.64	\$2.55	\$1.22	114	\$1,300.74
Curve widening	Jaw-run	\$7.64	\$2.55	\$1.22	172	\$1,962.52
Traction rock	1½" - 0	\$1.95	\$25.58	\$1.22	30	\$862.50
Subtotal =					2,118	\$24,686.58

<b>Totals</b>	
All Rock =	2,358
1½" - 0	270
Jaw-run	2,088

**TOTAL ROCK COSTS = \$31,413.78**

**EROSION CONTROL**

Grass seed & fertilizer	0.50	ac @	\$425.00	per ac =	\$212.50
Straw mulch bale	2	ea @	\$10.00	per ea =	\$20.00

**TOTAL EROSION CONTROL COSTS = \$232.50**

**TOTAL PROJECT COST = \$50,097.64**



**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding Sale Number: FG-341-2023-W00528-01  
 Road Segment: C to D Construction: 75+00 stations  
1.42 miles

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

**CONSTRUCTION**

Clearing & grubbing (scatter)	5.22	ac @	\$1,078.00	per ac =	\$5,627.16
Clearing & grubbing (end-haul)	3.40	ac @	\$6,507.00	per ac =	\$22,123.80
Haul to Waste Area No. 2					
Balanced road construction	65.80	sta @	\$110.00	per sta =	\$7,238.00
Drift	9.20	sta @	\$180.00	per sta =	\$1,656.00
Side Cast Pullback End-haul (1+90 to 3+70)					
Excavate & load	1,000	cy @	\$2.13	per cy =	\$2,130.00
Haul to Waste Area No. 1	1,300	cy @	\$1.64	per cy =	\$2,132.00
Shape and compact waste material	1,300	cy @	\$0.30	per cy =	\$390.00
Side Cast Pullback End-haul (9+35 to 12+15)					
Excavate & load	778	cy @	\$2.13	per cy =	\$1,657.14
Haul to Waste Area No. 1	1,012	cy @	\$1.90	per cy =	\$1,922.80
Shape and compact waste material	1,012	cy @	\$0.30	per cy =	\$303.60
Full Bench Road Realignment (1+90 to 5+20)					
Excavate & load	758	cy @	\$2.13	per cy =	\$1,614.54
Haul to Waste Area No. 1	986	cy @	\$1.64	per cy =	\$1,617.04
Shape and compact waste material	986	cy @	\$0.30	per cy =	\$295.80
Full Bench Road Realignment (8+70 to 17+25)					
Excavate & load	3,484	cy @	\$2.51	per cy =	\$8,744.84
Haul to Waste Area No. 1	4,530	cy @	\$2.30	per cy =	\$10,419.00
Shape and compact waste material	4,530	cy @	\$0.30	per cy =	\$1,359.00
Full Bench Road Realignment (19+80 to 22+90)					
Excavate & load	1,171	cy @	\$2.13	per cy =	\$2,494.23
Haul to Waste Area No. 3	1,523	cy @	\$0.81	per cy =	\$1,233.63
Shape and compact waste material	1,523	cy @	\$0.30	per cy =	\$456.90
Full Bench Road Realignment (30+30 to 38+85)					
Excavate & load	2,435	cy @	\$2.13	per cy =	\$5,186.55
Haul to Waste Area No. 3	3,166	cy @	\$1.35	per cy =	\$4,273.43
Shape and compact waste material	3,166	cy @	\$0.30	per cy =	\$949.65
Full Bench Road Realignment (44+30 to 47+40)					
Excavate & load	3,134	cy @	\$2.13	per cy =	\$6,675.42
Haul to Waste Area No. 4	4,075	cy @	\$1.11	per cy =	\$4,523.25
Shape and compact waste material	4,075	cy @	\$0.30	per cy =	\$1,222.50
Turnout	4	ea @	\$66.00	per ea =	\$264.00
Turnaround	5	ea @	\$82.50	per ea =	\$412.50
Roadside landing	6	ea @	\$165.00	per ea =	\$990.00
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade & roll (outslope)	9.20	sta @	\$32.20	per sta =	\$296.24
Grade, ditch, & roll	65.80	sta @	\$36.00	per sta =	\$2,368.80

**TOTAL CONSTRUCTION COSTS = \$100,891.82**

**CULVERTS**

Culverts and Bands					
18" Diameter	260	LF @	\$20.00	per LF =	\$5,200.00
Markers & Stakes					
Culvert markers	8	ea @	\$10.00	per ea =	\$80.00

**TOTAL CULVERT COSTS = \$5,280.00**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	Jaw-run	\$7.64	\$3.26	\$1.22	4,875	\$59,085.00
Junction	Jaw-run	\$7.64	\$3.26	\$1.22	120	\$1,454.40
Turnout	Jaw-run	\$7.64	\$3.26	\$1.22	116	\$1,405.92
Turnaround	Jaw-run	\$7.64	\$3.26	\$1.22	100	\$1,212.00
Curve widening	Jaw-run	\$7.64	\$3.26	\$1.22	91	\$1,102.92
Traction rock	1½" - 0	\$1.95	\$27.28	\$1.22	272	\$8,282.40
Roadside landing	Jaw-run	\$7.64	\$3.26	\$1.22	570	\$6,908.40
Landing	Jaw-run	\$7.64	\$3.26	\$1.22	180	\$2,181.60
<b>Subtotal =</b>					<b>6,324</b>	<b>\$81,632.64</b>

Totals	All Rock =	6,324
	1½" - 0	272
	Jaw-run	6,052

**TOTAL ROCK COSTS = \$81,632.64**

**EROSION CONTROL**

Grass seed & fertilizer	2.61	ac @	\$500.00	per ac =	\$1,305.00
Straw mulch (acre)	1.70	ac @	\$600.00	per ac =	\$1,020.00

**TOTAL EROSION CONTROL COSTS = \$2,325.00**

**TOTAL PROJECT COST = \$190,129.46**

**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding  
 Road Segment: E to F

Sale Number: FG-341-2023-W00528-01  
 Construction: 10+55 stations  
0.20 miles

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

**CONSTRUCTION**

Clearing & grubbing (scatter)	0.68	ac @	\$1,078.00	per ac =	\$733.04
Clearing & grubbing (end-haul)	0.54	ac @	\$3,131.00	per ac =	\$1,690.74
Haul to Waste Area No. 2					
Balanced road construction	8.75	sta @	\$110.00	per sta =	\$962.50
Drift	1.80	sta @	\$180.00	per sta =	\$324.00
Full Bench End-haul (5+85 to 7+50)					
Excavate & load	1,374	cy @	\$2.13	per cy =	\$2,926.62
Haul to Waste Area No. 3	1,786	cy @	\$1.08	per cy =	\$1,929.10
Shape and compact waste material	1,786	cy @	\$0.30	per cy =	\$535.86
Landing	2	ea @	\$314.00	per ea =	\$628.00
Grade, ditch, & roll	10.55	sta @	\$36.00	per sta =	\$379.80

**TOTAL CONSTRUCTION COSTS = \$10,109.66**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	Jaw-run	\$7.64	\$1.28	\$1.22	686	\$6,956.04
Landing	Jaw-run	\$7.64	\$1.28	\$1.22	380	\$3,853.20
<b>Subtotal =</b>					<b>1,066</b>	<b>\$10,809.24</b>

Totals	<b>All Rock =</b>	<b>1,066</b>
	<b>Jaw-run</b>	<b>1,066</b>

**TOTAL ROCK COSTS = \$10,809.24**

**EROSION CONTROL**

Grass seed & fertilizer	0.34	ac @	\$500.00	per ac =	\$170.00
Straw mulch (acre)	0.27	ac @	\$600.00	per ac =	\$162.00

**TOTAL EROSION CONTROL COSTS = \$332.00**

**TOTAL PROJECT COST = \$21,250.90**

**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding  
 Road Segment: G to H

Sale Number: FG-341-2023-W00528-01  
 Construction: 20+45 stations  
0.39 miles

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

**CONSTRUCTION**

Clearing & grubbing (scatter)	2.35	ac @	\$1,078.00	per ac =	\$2,533.30
Balanced road construction	15.85	sta @	\$110.00	per sta =	\$1,743.50
Drift	4.60	sta @	\$360.00	per sta =	\$1,656.00
Fill construction					
Drift & compact fill	250	cy @	\$1.40	per cy =	\$350.00
Turnout	1	ea @	\$66.00	per ea =	\$66.00
Turnaround	3	ea @	\$82.50	per ea =	\$247.50
Roadside landing	1	ea @	\$165.00	per ea =	\$165.00
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade & roll (outslope)	7.90	sta @	\$32.20	per sta =	\$254.38
Grade, ditch, & roll	12.55	sta @	\$36.00	per sta =	\$451.80

**TOTAL CONSTRUCTION COSTS = \$7,781.48**

**CULVERTS**

Culverts and Bands					
18" Diameter	60	LF @	\$20.00	per LF =	\$1,200.00
Markers & Stakes					
Culvert markers	2	ea @	\$10.00	per ea =	\$20.00

**TOTAL CULVERT COSTS = \$1,220.00**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	Jaw-run	\$7.64	\$1.88	\$1.22	1,329	\$14,273.46
Junction	Jaw-run	\$7.64	\$1.88	\$1.22	48	\$515.52
Turnout	Jaw-run	\$7.64	\$1.88	\$1.22	29	\$311.46
Turnaround	Jaw-run	\$7.64	\$1.88	\$1.22	60	\$644.40
Curve widening	Jaw-run	\$7.64	\$1.88	\$1.22	65	\$698.10
Traction rock	1½" - 0	\$1.95	\$25.85	\$1.22	47	\$1,363.94
Roadside landing	Jaw-run	\$7.64	\$1.88	\$1.22	95	\$1,020.30
Landing	Jaw-run	\$7.64	\$1.88	\$1.22	180	\$1,933.20
<b>Subtotal =</b>					<b>1,853</b>	<b>\$20,760.38</b>

<b>Totals</b>	
All Rock =	1,853
1½" - 0	47
Jaw-run	1,806

**TOTAL ROCK COSTS = \$20,760.38**

**EROSION CONTROL**

Grass seed & fertilizer	2.00	ac @	\$500.00	per ac =	\$1,000.00
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**TOTAL EROSION CONTROL COSTS = \$1,000.00**

**TOTAL PROJECT COST = \$30,761.86**

**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding  
 Road Segment: I to J

Sale Number: FG-341-2023-W00528-01  
 Construction: 3+15 stations  
0.06 miles

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

**CONSTRUCTION**

Clearing & grubbing (scatter)	0.37	ac @	\$1,078.00	per ac =	\$398.86
Balanced road construction	3.15	sta @	\$110.00	per sta =	\$346.50
Turnaround	1	ea @	\$82.50	per ea =	\$82.50
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade, ditch, & roll	3.15	sta @	\$36.00	per sta =	\$113.40

**TOTAL CONSTRUCTION COSTS = \$1,255.26**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	Jaw-run	\$7.64	\$1.26	\$1.22	205	\$2,074.60
Turnaround	Jaw-run	\$7.64	\$1.26	\$1.22	20	\$202.40
Landing	Jaw-run	\$7.64	\$1.26	\$1.22	180	\$1,821.60
Subtotal =					405	\$4,098.60

Totals	All Rock =	405
	Jaw-run	405

**TOTAL ROCK COSTS = \$4,098.60**

**EROSION CONTROL**

Grass seed & fertilizer	1.00	ac @	\$500.00	per ac =	\$500.00
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**TOTAL EROSION CONTROL COSTS = \$500.00**

**TOTAL PROJECT COST = \$5,853.86**

**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding  
 Road Segment: K to L

Sale Number: FG-341-2023-W00528-01  
 Construction: 2+30 stations  
0.04 miles

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

**CONSTRUCTION**

Clearing & grubbing (scatter)	0.27	ac @ \$1,078.00	per ac =	\$291.06
Balanced road construction	2.30	sta @ \$110.00	per sta =	\$253.00
Landing	1	ea @ \$314.00	per ea =	\$314.00
Grade, ditch, & roll	2.30	sta @ \$36.00	per sta =	\$82.80

**TOTAL CONSTRUCTION COSTS = \$940.86**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	Jaw-run	\$7.64	\$1.64	\$1.22	150	\$1,575.00
Landing	Jaw-run	\$7.64	\$1.64	\$1.22	180	\$1,890.00
Subtotal =					330	\$3,465.00

Totals	All Rock =	330
	Jaw-run	330

**TOTAL ROCK COSTS = \$3,465.00**

**EROSION CONTROL**

Grass seed & fertilizer	0.14	ac @ \$500.00	per ac =	\$67.50
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**TOTAL EROSION CONTROL COSTS = \$67.50**

**TOTAL PROJECT COST = \$4,473.36**



**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding  
 Road Segment: M to N

Sale Number: FG-341-2023-W00528-01  
 Construction: 8+00 stations  
0.15 miles

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

**CONSTRUCTION**

Clearing & grubbing (scatter)	0.92	ac @	\$1,078.00	per ac =	\$991.76
Balanced road construction	6.75	sta @	\$110.00	per sta =	\$742.50
Drift	1.25	sta @	\$180.00	per sta =	\$225.00
Roadside landing	2	ea @	\$165.00	per ea =	\$330.00
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade & roll (outslope)	3.00	sta @	\$32.20	per sta =	\$96.60
Grade, ditch, & roll	5.00	sta @	\$36.00	per sta =	\$180.00

**TOTAL CONSTRUCTION COSTS = \$2,879.86**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	Jaw-run	\$7.64	\$2.02	\$1.22	520	\$5,657.60
Roadside landing	Jaw-run	\$7.64	\$2.02	\$1.22	190	\$2,067.20
Landing	Jaw-run	\$7.64	\$2.02	\$1.22	180	\$1,958.40
Subtotal =					890	\$9,683.20

Totals	All Rock =	890
	Jaw-run	890

**TOTAL ROCK COSTS = \$9,683.20**

**EROSION CONTROL**

Grass seed & fertilizer	0.46	ac @	\$500.00	per ac =	\$230.00
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**TOTAL EROSION CONTROL COSTS = \$230.00**

**TOTAL PROJECT COST = \$12,793.06**

**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding  
 Road Segment: O to P

Sale Number: FG-341-2023-W00528-01  
 Construction: 3+60 stations  
0.07 miles

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

**CONSTRUCTION**

Clearing & grubbing (scatter)	0.42	ac @	\$1,078.00	per ac =	\$452.76
Balanced road construction	3.60	sta @	\$110.00	per sta =	\$396.00
Turnaround	1	ea @	\$82.50	per ea =	\$82.50
Roadside landing	1	ea @	\$165.00	per ea =	\$165.00
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade, ditch, & roll	3.60	sta @	\$36.00	per sta =	\$129.60

**TOTAL CONSTRUCTION COSTS = \$1,539.86**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	Jaw-run	\$7.64	\$2.02	\$1.22	234	\$2,545.92
Turnaround	Jaw-run	\$7.64	\$2.02	\$1.22	20	\$217.60
Roadside landing	Jaw-run	\$7.64	\$2.02	\$1.22	95	\$1,033.60
Landing	Jaw-run	\$7.64	\$2.02	\$1.22	180	\$1,958.40
Subtotal =					529	\$5,755.52

Totals	All Rock =	529
	Jaw-run	529

**TOTAL ROCK COSTS = \$5,755.52**

**EROSION CONTROL**

Grass seed & fertilizer	0.21	ac @	\$500.00	per ac =	\$105.00
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**TOTAL EROSION CONTROL COSTS = \$105.00**

**TOTAL PROJECT COST = \$7,400.38**

**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Point Belding  
 Road Segment: Q to R

Sale Number: FG-341-2023-W00528-01  
 Construction: 12+50 stations  
0.24 miles

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

**CONSTRUCTION**

Clearing & grubbing (scatter)	1.44	ac @	\$1,078.00	per ac =	\$1,552.32
Balanced road construction	11.60	sta @	\$110.00	per sta =	\$1,276.00
Drift	0.90	sta @	\$180.00	per sta =	\$162.00
Turnaround	1	ea @	\$82.50	per ea =	\$82.50
Approach to landing	1.10	sta @	\$110.00	per sta =	\$121.00
Landing	2	ea @	\$314.00	per ea =	\$628.00
Grade, ditch, & roll	12.50	sta @	\$36.00	per sta =	\$450.00

TOTAL CONSTRUCTION COSTS = \$4,271.82

**CULVERTS**

<b>Culverts and Bands</b>					
18" Diameter	120	LF @	\$20.00	per LF =	\$2,400.00
24" Diameter	40	LF @	\$29.00	per LF =	\$1,160.00
<b>Markers &amp; Stakes</b>					
Culvert markers	5	ea @	\$10.00	per ea =	\$50.00

TOTAL CULVERT COSTS = \$3,610.00

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	Jaw-run	\$7.64	\$3.70	\$1.22	813	\$10,211.28
Junction	Jaw-run	\$7.64	\$3.70	\$1.22	24	\$301.44
Turnout	Jaw-run	\$7.64	\$3.70	\$1.22	29	\$364.24
Turnaround	Jaw-run	\$7.64	\$3.70	\$1.22	20	\$251.20
Approach to landing	Jaw-run	\$7.64	\$3.70	\$1.22	72	\$898.04
Landing	Jaw-run	\$7.64	\$3.70	\$1.22	360	\$4,521.60
<b>Subtotal =</b>					<b>1,318</b>	<b>\$16,547.80</b>

Totals	All Rock =	1,318
	Jaw-run	1,318

TOTAL ROCK COSTS = \$16,547.80

**EROSION CONTROL**

Grass seed & fertilizer	0.72	ac @	\$500.00	per ac =	\$360.00
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TOTAL EROSION CONTROL COSTS = \$360.00

**TOTAL PROJECT COST = \$24,789.62**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Point Belding

Sale Number: FG-341-2023-W00528-01

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**PROJECT No. 1 & 2 MOVE-IN, WITHIN AREA MOVE, & CLEANING COSTS**

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<u>Equipment</u>	<u>Total</u>
Brush Cutter	\$819.25
Grader	\$1,395.24
Loader (Med. & Large)	\$1,199.09
Roller (smooth/grid) & Compactor	\$819.25
Excavator (Large) - Equipment Cleaning	\$2,395.24
Dozer (Large) - Equipment Cleaning	\$2,395.24
Dump Truck (Off Highway)	\$4,427.19
Water Truck (2,500 Gal)	\$201.44
	<hr/>
	<b><u>TOTAL MOVE-IN COSTS =</u> <u>\$13,651.94</u></b>

## QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Point Belding

Sale Number: FG-341-2023-W00528-01

Stockpile Name: Beaverdam

1 1/2" - 0: 655 cy (truck measure)

Total truck yardage: 655 cy

### Move-in

Move in loader \$650.86

Move in Dump Trucks \$100.73

Subtotal = \$751.59

Per CY = \$1.15/cy

### (1 1/2"-0) Base Cost

Load dump truck \$0.80 / cy x 655 cy = \$524.00

Subtotal = \$524.00

Per CY = \$0.80

1 1/2"-0 Cost = \$1.95/cy

## QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Point Belding  
 Sale Number: FG-341-2023-W00528-01  
 Quarry Name: Point Belding

4" -0 Jaw-run: 14,735 cy (truck measure)  
 8" -4" Jaw-run: 157 cy (truck measure)  
 Total truck yardage: 14,892 cy  
 Total in place yardage: 14,319 cy  
 Oversize - Pile: 20%  
 Swell: 130%  
 Compaction: 116%

### Move-in & Other Base Cost

Quarry development & overburden removal	\$6,366.79
End-haul overburden to Waste area No. 3	
Equipment cleaning & move in excavator	\$2,395.24
Equipment cleaning & move in dozer	\$2,323.19
Move in & setup screen	\$2,223.19
Move in & setup drill	\$897.09
Move in loader	\$1,199.09
Move in & setup crusher	\$1,823.19
Move in Dump Trucks	\$639.00
Clean up quarry	\$500.00
Subtotal =	<u>\$18,438.28</u>
Per CY =	<u>\$1.24/cy</u>

### 4" -0 Jaw-Run Base Cost

Drill & shoot	<u>\$2.80</u>	/ cy x	<u>14,168</u>	cy =	\$39,669.81
Load crusher	<u>\$0.80</u>	/ cy x	<u>14,735</u>	cy =	\$11,787.60
Crush (Jaw-run)	<u>\$2.10</u>	/ cy x	<u>14,735</u>	cy =	\$30,942.45
Load dump truck	<u>\$0.80</u>	/ cy x	<u>14,735</u>	cy =	\$11,787.60
Subtotal =	<u>\$94,187.46</u>				
Per CY =	<u>\$6.39/cy</u>				

### 8" - 4" Jaw-Run Base cost

Drill & shoot	<u>\$2.80</u>	/ cy x	<u>157</u>	cy =	\$439.60
Push rock	<u>\$0.80</u>	/ cy x	<u>204</u>	cy =	\$163.28
Screen Rock	<u>\$3.80</u>	/ cy x	<u>204</u>	cy =	\$775.20
Load crusher	<u>\$0.80</u>	/ cy x	<u>204</u>	cy =	\$163.28
Crush (Jaw-run)	<u>\$2.10</u>	/ cy x	<u>204</u>	cy =	\$428.61
Load dump truck	<u>\$0.80</u>	/ cy x	<u>204</u>	cy =	\$163.28
Subtotal =	<u>\$2,133.25</u>				
Per CY =	<u>\$10.45/cy</u>				

8" - 4" Base Cost = \$11.69/cy  
 Jaw-run Base Cost = \$7.64/cy

## RESIDUAL STAND SPECIFICATIONS

**SALE NAME: POINT BELDING**  
**SALE NUMBER: FG-341-2023-W00528-01**

### UNIT 1

Residual QMD assumption (from leave tree cruise information) = 

22
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 Target Relative Density = 

34
----

	Minimum	Target	Maximum
<b>Relative Density</b>	32	34	36
<b>Basal Area</b>	150	160	170
<b>Trees per Acre</b>	57	61	64

### UNIT 2

Residual QMD assumption (from leave tree cruise information) = 

21
----

  
 Target Relative Density = 

35
----

	Minimum	Target	Maximum
<b>Relative Density</b>	33	35	37
<b>Basal Area</b>	150	160	170
<b>Trees per Acre</b>	62	67	71

RD = BA /  $\sqrt{DBH}$   
 BA =  $\sqrt{DBH}$  (RD)  
 TPA = (BA/acre) / (BA/tree)  
 BA / tree =  $(\pi r^2) / (144)$





TC PSTATS		PROJECT STATISTICS							PAGE	1	
		PROJECT		PNTBLD			DATE		6/29/2022		
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
03N	07	36	00U1	Unit 1	OPCM	184.00	31	483	S	W	
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL		31	483	15.6							
CRUISE		31	482	15.5	36,756	1.3					
DBH COUNT											
REFOREST COUNT											
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-L	207	51.5	21.8	130	28.6	133.5	31,448	31,444	6,262	6,262	
DOUG FIR-S	18	23.3	9.8	54	3.9	12.3					
DOUG FIR-T	190	91.6	15.7	112	31.0	122.6	21,943	21,781	4,960	4,960	
WHEMLOCK-L	32	16.5	15.1	107	5.3	20.6	4,328	4,328	871	871	
WHEMLOCK-T	24	14.5	14.0	89	4.1	15.5	2,464	2,464	569	569	
NOB FIR-L	10	1.8	25.4	133	1.3	6.5	1,730	1,730	322	322	
R ALDER-L	1	.5	15.0	85	0.2	.6	89	89	20	20	
TOTAL	482	199.8	16.9	108	75.8	311.6	62,003	61,836	13,005	13,005	
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-L		60.1	4.2	724	755	787					
DOUG FIR-S											
DOUG FIR-T		69.6	5.0	309	325	342					
WHEMLOCK-L		59.2	10.5	317	354	391					
WHEMLOCK-T		76.5	15.9	211	251	291					
NOB FIR-L		71.3	23.7	997	1,307	1,617					
R ALDER-L											
TOTAL		85.9	3.9	496	516	536	295	74	33		
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-L		51.8	3.6	142	147	152					
DOUG FIR-S											
DOUG FIR-T		61.8	4.5	70	73	77					
WHEMLOCK-L		55.7	9.8	64	71	78					
WHEMLOCK-T		66.6	13.9	49	57	65					
NOB FIR-L		63.3	21.1	186	235	285					
R ALDER-L											
TOTAL		74.1	3.4	101	105	108	219	55	24		
CL	68.1	COEFF	TREES/ACRE			# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR-L		38.8	7.0	48	51	55					
DOUG FIR-S		301.6	54.1	11	23	36					
DOUG FIR-T		71.1	12.8	80	92	103					
WHEMLOCK-L		130.9	23.5	13	16	20					
WHEMLOCK-T		200.9	36.0	9	14	20					
NOB FIR-L		172.9	31.0	1	2	2					
R ALDER-L		556.8	99.9	0	1	1					
TOTAL		44.6	8.0	184	200	216	80	20	9		
CL	68.1	COEFF	BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		

**PROJECT STATISTICS**

PROJECT PNTBLD

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
03N	07	36	00U1	Unit 1	0PCM	184.00	31	483	S W	
DOUG FIR-L			20.6	3.7	129	134	138			
DOUG FIR-S			268.7	48.2	6	12	18			
DOUG FIR-T			59.8	10.7	109	123	136			
WHEMLOCK-L			133.5	24.0	16	21	26			
WHEMLOCK-T			181.8	32.6	10	15	21			
NOB FIR-L			147.3	26.4	5	6	8			
R ALDER-L			556.8	99.9	0	1	1			
<b>TOTAL</b>			<b>24.8</b>	<b>4.4</b>	<b>298</b>	<b>312</b>	<b>325</b>	<b>25</b>	<b>6</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-L		27.7	5.0	29,883	31,444	33,005				
DOUG FIR-S										
DOUG FIR-T		74.2	13.3	18,880	21,781	24,681				
WHEMLOCK-L		142.3	25.5	3,223	4,328	5,434				
WHEMLOCK-T		173.0	31.0	1,699	2,464	3,229				
NOB FIR-L		156.1	28.0	1,245	1,730	2,215				
R ALDER-L		556.8	99.9	0	89	179				
<b>TOTAL</b>		<b>33.6</b>	<b>6.0</b>	<b>58,108</b>	<b>61,836</b>	<b>65,565</b>	<b>45</b>	<b>11</b>	<b>5</b>	
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-L		23.5	4.2	5,998	6,262	6,527				
DOUG FIR-S										
DOUG FIR-T		69.1	12.4	4,345	4,960	5,575				
WHEMLOCK-L		142.3	25.5	649	871	1,093				
WHEMLOCK-T		173.2	31.1	392	569	746				
NOB FIR-L		151.7	27.2	234	322	410				
R ALDER-L		556.8	99.9	0	20	41				
<b>TOTAL</b>		<b>30.7</b>	<b>5.5</b>	<b>12,288</b>	<b>13,005</b>	<b>13,722</b>	<b>38</b>	<b>9</b>	<b>4</b>	

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T03N R07W S36 Ty0PCM 184.00	Project: PNTBLD Acres 184.00 <i>Unit 1</i>	Page 1 Date 6/29/2022 Time 11:26:06AM
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Spp	S	So	Gr	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
									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	L	2M			144	144	26			34	66			100	40	15	350	1.74	.4		
DF	L	3M		100	.0	31,304	31,300	5,759		20	38	42	0	23	45	32	34	11	201	1.19	155.4
<b>DF Totals</b>				51	.0	31,448	31,444	5,786		20	38	42	0	23	44	32	34	11	202	1.19	155.9
DF	T	CU																			.8
DF	T	2M		40	1.2	8,895	8,792	1,618			87	13			100	40	14	277	1.48	31.8	
DF	T	3M		53	.4	11,639	11,589	2,132		99	1			5	95	39	8	101	0.61	114.8	
DF	T	4M		7	.7	1,409	1,399	257		100			29	54	10	7	22	6	27	0.30	51.1
<b>DF Totals</b>				35	.7	21,943	21,781	4,008		59	36	5	2	3	3	91	35	8	110	0.72	198.4
WH	L	2M		2		98	98	18			100				100	40	13	240	1.16	.4	
WH	L	3M		97		4,218	4,218	776		52	41	7		46	23	31	33	9	116	0.71	36.3
WH	L	4M		1		12	12	2		100				100		25	6	30	0.32	.4	
<b>WH Totals</b>				7		4,328	4,328	796		51	42	7		45	23	32	33	9	117	0.71	37.1
WH	T	2M		36		900	900	166			88	12			100	40	13	270	1.35	3.3	
WH	T	3M		54		1,335	1,335	246		92	8				100	40	8	101	0.64	13.2	
WH	T	4M		10		229	229	42		100			38	37	26	21	6	26	0.30	8.7	
<b>WH Totals</b>				4		2,464	2,464	453		59	36	5	3	3	2	91	33	8	98	0.68	25.2
NF	L	3M		100		1,730	1,730	318		11	22	67		19	32	49	33	13	292	1.63	5.9
<b>NF Totals</b>				3		1,730	1,730	318		11	22	67		19	32	49	33	13	292	1.63	5.9
RA	L	CR		100		89	89	16		100				100		30	9	85	0.66	1.1	
<b>RA Totals</b>				0		89	89	16		100				100		30	9	85	0.66	1.1	
<b>Totals</b>					0.3	62,003	61,836	11,378		37	37	26	1	17	26	56	34	10	146	0.90	423.6

TC		PSTNDSUM		Stand Table Summary									Page		1	
													Date:		6/29/2022	
T03N R07W S36 Ty0PCM				184.00		Project			PNTBLD			Time:		11:26:08AM		
				Unit 1			Acres			184.00			Grown Year:			
S Spe T	DBH	Sample 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	
DF L	13	1	88	116	.700	.65	1.40	17.1	80.0	.68	24	112	126	44	21	
DF L	15	6	89	104	3.154	3.87	6.31	21.6	99.2	3.88	136	626	713	250	115	
DF L	16	8	88	109	3.697	5.16	8.78	21.8	96.3	5.46	192	846	1,005	353	156	
DF L	17	4	88	108	1.637	2.58	3.68	25.7	110.0	2.70	95	405	496	174	75	
DF L	18	13	89	113	4.746	8.39	12.41	25.9	115.0	9.18	322	1,427	1,689	593	263	
DF L	19	14	89	125	4.587	9.03	13.11	30.3	142.5	11.33	397	1,868	2,084	731	344	
DF L	20	14	89	125	4.140	9.03	12.12	32.4	156.8	11.19	393	1,901	2,059	722	350	
DF L	21	19	89	133	5.096	12.26	15.83	34.9	169.0	15.76	553	2,674	2,900	1,018	492	
DF L	22	12	89	131	2.933	7.74	8.80	40.5	193.1	10.15	356	1,699	1,868	656	313	
DF L	23	23	89	132	5.143	14.84	15.65	43.0	210.1	19.17	673	3,289	3,527	1,237	605	
DF L	24	25	89	147	5.134	16.13	17.87	45.4	230.9	23.13	812	4,126	4,256	1,493	759	
DF L	25	10	89	146	1.893	6.45	7.00	46.6	243.5	9.29	326	1,705	1,710	600	314	
DF L	26	13	87	158	2.275	8.39	8.75	51.6	275.0	12.87	452	2,406	2,369	831	443	
DF L	27	10	89	146	1.623	6.45	5.84	55.9	295.3	9.31	327	1,725	1,712	601	317	
DF L	28	16	90	153	2.414	10.32	9.35	58.9	324.4	15.71	551	3,034	2,892	1,015	558	
DF L	29	7	89	154	.985	4.52	3.94	60.8	335.7	6.83	240	1,322	1,256	441	243	
DF L	30	1	89	160	.131	.65	.53	69.4	392.5	1.04	36	206	191	67	38	
DF L	31	4	89	156	.492	2.58	1.97	71.4	403.1	4.01	141	794	737	259	146	
DF L	32	2	90	165	.231	1.29	.92	80.0	450.0	2.11	74	416	387	136	77	
DF L	33	2	80	153	.217	1.29	.76	86.5	424.3	1.87	66	323	345	121	59	
DF L	34	1	89	84	.102	.65	.20	104.7	455.0	.61	21	93	112	39	17	
DF L	35	1	89	170	.097	.65	.39	98.6	567.5	1.09	38	219	200	70	40	
DF L	44	1	90	170	.061	.65	.24	159.8	932.5	1.11	39	228	205	72	42	
DF L	Totals	207	89	130	51.488	133.55	155.86	40.2	201.7	178.48	6,262	31,444	32,840	11,523	5,786	
DF T	8	3	84	60	5.545	1.94	5.54	4.2	23.3	.67	24	129	124	43	24	
DF T	10	4	87	77	4.732	2.58	4.73	12.0	55.0	1.61	57	260	297	104	48	
DF T	11	6	88	93	5.866	3.87	9.78	10.9	47.0	3.04	107	459	559	196	85	
DF T	12	10	88	107	8.214	6.45	16.43	13.1	57.5	6.15	216	945	1,132	397	174	
DF T	13	12	89	98	8.399	7.74	16.80	14.8	61.7	7.09	249	1,036	1,305	458	191	
DF T	14	16	87	110	9.656	10.32	19.31	19.1	85.3	10.52	369	1,648	1,936	679	303	
DF T	15	15	87	113	7.886	9.68	17.35	20.8	89.1	10.27	361	1,546	1,891	663	284	
DF T	16	20	88	115	9.241	12.90	19.87	25.3	109.1	14.32	502	2,167	2,634	924	399	
DF T	17	17	88	115	6.958	10.97	15.96	27.2	113.8	12.35	433	1,817	2,273	798	334	
DF T	18	17	88	131	6.206	10.97	16.79	29.1	126.5	13.94	489	2,125	2,564	900	391	
DF T	19	19	88	135	6.226	12.26	17.69	31.7	139.8	16.01	562	2,474	2,946	1,034	455	
DF T	20	14	88	142	4.140	9.03	11.83	36.3	163.0	12.24	429	1,928	2,252	790	355	
DF T	21	11	87	135	2.950	7.10	8.05	40.1	176.3	9.19	322	1,419	1,690	593	261	
DF T	22	9	83	139	2.200	5.81	6.35	43.6	183.5	7.90	277	1,166	1,453	510	215	
DF T	23	9	89	146	2.012	5.81	6.48	45.1	206.9	8.33	292	1,342	1,533	538	247	
DF T	24	2	87	154	.411	1.29	1.23	54.9	255.0	1.93	68	314	355	125	58	
DF T	25	1	86	163	.189	.65	.76	46.1	212.5	.99	35	161	183	64	30	
DF T	26	2	87	152	.350	1.29	1.05	59.1	291.7	1.77	62	306	325	114	56	
DF T	27	1	89	176	.162	.65	.65	60.3	327.5	1.12	39	213	205	72	39	
DF T	28	1	90	141	.151	.65	.45	70.9	326.7	.92	32	148	168	59	27	
DF T	29	1	86	166	.141	.65	.56	62.9	317.5	1.01	35	179	185	65	33	
DF T	Totals	190	87	112	91.635	122.58	197.68	25.1	110.2	141.36	4,960	21,781	26,010	9,126	4,008	
WH L	9	1	91	80	1.460	.65	1.46	10.6	60.0	.50	16	88	91	29	16	
WH L	10	2	92	85	2.366	1.29	2.37	13.5	65.0	1.02	32	154	188	59	28	
WH L	11	1	93	110	.978	.65	1.96	12.0	60.0	.75	23	117	138	43	22	
WH L	13	1	93	120	.700	.65	2.10	12.3	56.7	.83	26	119	153	48	22	
WH L	14	4	92	100	2.414	2.58	4.83	19.7	95.0	3.04	95	459	560	175	84	
WH L	15	4	92	110	2.103	2.58	4.73	22.8	110.0	3.45	108	520	635	198	96	

TC		PSTNDSUM		Stand Table Summary										Page 2	
														Date: 6/29/2022	
T03N R07W S36 Ty0PCM 184.00				Project PNTBLD										Time: 11:26:08AM	
				Unit 1 Acres 184.00										Grown Year:	
S Spec T	DBH	Sample 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
WHL	16	3	93	113	1.386	1.94	4.16	20.3	101.1	2.71	85	420	498	156	77
WHL	17	3	93	126	1.228	1.94	3.68	24.3	118.9	2.87	90	438	528	165	81
WHL	18	3	93	127	1.095	1.94	3.29	28.3	140.0	2.98	93	460	548	171	85
WHL	19	3	92	109	.983	1.94	2.95	27.7	138.9	2.61	82	410	480	150	75
WHL	20	2	93	125	.591	1.29	1.77	36.3	183.3	2.06	64	325	379	118	60
WHL	21	2	91	116	.536	1.29	1.61	35.1	173.3	1.81	56	279	333	104	51
WHL	23	2	94	145	.447	1.29	1.57	46.6	250.0	2.33	73	391	430	134	72
WHL	24	1	93	111	.205	.65	.62	46.7	240.0	.92	29	148	169	53	27
WHL	Totals	32	92	107	16.493	20.65	37.08	23.5	116.7	27.87	871	4,328	5,129	1,603	796
WHT	8	1	80	84	1.848	.65	1.85	4.1	20.0	.24	8	37	45	14	7
WHT	10	2	88	84	2.366	1.29	3.55	10.2	46.7	1.16	36	166	213	67	30
WHT	12	4	89	88	3.286	2.58	5.75	14.0	54.3	2.57	80	312	473	148	57
WHT	13	1	91	78	.700	.65	.70	22.7	90.0	.51	16	63	94	29	12
WHT	14	2	88	90	1.207	1.29	2.41	17.6	72.5	1.36	42	175	250	78	32
WHT	15	1	92	111	.526	.65	1.05	25.9	120.0	.87	27	126	160	50	23
WHT	16	2	89	109	.924	1.29	1.85	28.3	120.0	1.67	52	222	308	96	41
WHT	17	3	92	106	1.228	1.94	2.46	31.5	131.7	2.48	77	323	456	143	59
WHT	18	2	91	103	.730	1.29	1.46	35.6	140.0	1.66	52	204	306	96	38
WHT	20	4	90	114	1.183	2.58	2.66	43.2	200.0	3.68	115	532	676	211	98
WHT	22	2	93	124	.489	1.29	1.47	42.8	206.7	2.01	63	303	369	115	56
WHT	Totals	24	88	89	14.486	15.48	25.20	22.6	97.8	18.20	569	2,464	3,350	1,047	453
NFL	18	1	91	124	.365	.65	1.10	24.0	113.3	.63	26	124	116	48	23
NFL	19	1	91	125	.328	.65	.98	28.9	140.0	.68	28	138	126	52	25
NFL	23	1	90	120	.224	.65	.67	42.0	203.3	.68	28	136	124	52	25
NFL	24	1	91	140	.205	.65	.62	53.6	266.7	.79	33	164	146	61	30
NFL	28	2	91	153	.302	1.29	1.21	58.6	330.0	1.70	71	398	313	130	73
NFL	29	1	90	73	.141	.65	.28	65.2	285.0	.44	18	80	81	34	15
NFL	35	1	91	170	.097	.65	.39	101.2	595.0	.94	39	230	173	72	42
NFL	36	1	91	169	.091	.65	.37	109.4	650.0	.96	40	237	176	74	44
NFL	38	1	91	167	.082	.65	.33	115.8	677.5	.91	38	222	168	70	41
NFL	Totals	10	91	133	1.834	6.45	5.93	54.3	291.6	7.73	322	1,730	1,422	592	318
RAL	15	1	92	85	.526	.65	1.05	19.5	85.0	.56	20	89	104	38	16
RAL	Totals	1	92	85	.526	.65	1.05	19.5	85.0	.56	20	89	104	38	16
DFS	7	1	72	35	2.548	.68									
DFS	8	4	84	60	7.804	2.72									
DFS	9	4	88	53	6.166	2.72									
DFS	10	3	83	55	3.746	2.04									
DFS	12	1	87	74	.867	.68									
DFS	15	3	88	47	1.665	2.04									
DFS	21	1	86	71	.283	.68									
DFS	24	1	82	52	.217	.68									
DFS	Totals	18	84	54	23.295	12.26									
Totals		482	88	108	199.758	311.61	422.81	30.8	146.3	374.20	13,005	61,836	68,853	23,928	11,378





Log Stock Table - MBF

T03N R07W S36 Ty0PCM 184.00

Project: PNTBLD  
Acres 184.00

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Date 6/29/2022  
Time 11:26:05AM

Unit 1

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spe	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		Totals		796		796	7.0				160	35	208	159	99	134				
WH	T	2M	40	166		166	36.5						86	20	60					
WH	T	3M	38	9		9	2.0			9										
WH	T	3M	39	4		4	.9			4										
WH	T	3M	40	233		233	51.3			63	70	79		20						
WH	T	4M	12	4		4	.8			4										
WH	T	4M	15	11		11	2.5			11										
WH	T	4M	16	1		1	.2			1										
WH	T	4M	23	2		2	.4			2										
WH	T	4M	25	5		5	1.0			5										
WH	T	4M	26	5		5	1.0			5										
WH	T	4M	27	5		5	1.0			5										
WH	T	4M	34	11		11	2.4			11										
WH		Totals		453		453	4.0			119	70	79	86	39	60					
NF	L	3M	30	59		59	18.6						17		11		31			
NF	L	3M	31	7		7	2.3						7							
NF	L	3M	32	73		73	22.9			9		8	8	14	15		19			
NF	L	3M	33	2		2	.6			2										
NF	L	3M	34	20		20	6.2			1			6		12					
NF	L	3M	36	106		106	33.2										28	78		
NF	L	3M	37	6		6	1.8								6					
NF	L	3M	38	46		46	14.3			5			9	6	26					
NF		Totals		318		318	2.8			18		16	39	20	70		77	78		
RA	L	CR	29	12		12	70.6					12								
RA	L	CR	30	5		5	29.4			5										
RA		Totals		16		16	.1			5		12								
Total		All Species		11,408		11,378	100.0			1581	930	1717	2024	1535	2336	1030	205		21	



TC PSTATS		PROJECT STATISTICS							PAGE	1
		PROJECT		PNTBLD			DATE		7/6/2022	
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
03N	07	36	00U2	Unit 2	00PC	103.00	13	211	S	W
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL		13	211	16.2						
CRUISE		13	211	16.2	23,684	.9				
DBH COUNT										
REFOREST										
COUNT										
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-L	86	57.1	20.6	129	29.1	132.3	29,278	29,278	6,121	6,121
DOUG FIR-S	4	14.5	8.8	45	2.1	6.2				
DOUG FIR-T	87	111.4	14.8	114	34.7	133.8	23,452	23,419	5,268	5,268
WHEMLOCK-L	16	18.5	15.6	107	6.2	24.6	5,395	5,395	1,111	1,111
WHEMLOCK-T	15	24.1	13.2	119	6.3	23.1	4,720	4,720	971	971
NOB FIR-L	2	1.5	19.3	137	0.7	3.1	700	700	143	143
R ALDER-L	1	2.8	10.0	80	0.5	1.5	197	197	37	37
TOTAL	211	229.9	16.1	113	80.9	324.6	63,742	63,710	13,651	13,651
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-L		189.0	20.4	559	702	844				
DOUG FIR-S										
DOUG FIR-T		56.8	6.1	253	270	286				
WHEMLOCK-L		44.7	11.5	346	391	436				
WHEMLOCK-T		58.4	15.6	208	246	284				
NOB FIR-L		66.5	62.3	221	585	949				
R ALDER-L										
TOTAL		195.3	13.4	390	450	511	1,523	381	169	
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-L		146.0	15.7	116	138	160				
DOUG FIR-S										
DOUG FIR-T		54.3	5.8	57	61	64				
WHEMLOCK-L		42.9	11.1	71	80	89				
WHEMLOCK-T		59.5	15.9	43	51	59				
NOB FIR-L		65.5	61.4	46	119	192				
R ALDER-L										
TOTAL		148.1	10.2	83	92	102	875	219	97	
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-L		40.7	11.7	50	57	64				
DOUG FIR-S		292.9	84.4	2	14	27				
DOUG FIR-T		52.1	15.0	95	111	128				
WHEMLOCK-L		123.0	35.4	12	19	25				
WHEMLOCK-T		192.0	55.3	11	24	37				
NOB FIR-L		271.8	78.3	0	2	3				
R ALDER-L		360.6	103.9		3	6				
TOTAL		44.2	12.7	201	230	259	84	21	9	
CL	68.1	COEFF	BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	

**PROJECT STATISTICS**  
PROJECT PNTBLD

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
03N	07	36	00U2 <i>Unit 2</i>	00PC	103.00	13	211	S	W	
DOUG FIR-L			28.0	8.1	122	132	143			
DOUG FIR-S			277.8	80.1	1	6	11			
DOUG FIR-T			40.2	11.6	118	134	149			
WHEMLOCK-L			152.6	44.0	14	25	35			
WHEMLOCK-T			190.0	54.8	10	23	36			
NOB FIR-L			244.1	70.4	1	3	5			
R ALDER-L			360.6	103.9		2	3			
<b>TOTAL</b>			<b>22.9</b>	<b>6.6</b>	<b>303</b>	<b>325</b>	<b>346</b>	<b>23</b>	<b>6</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-L		30.3	8.7	26,724	29,278	31,831				
DOUG FIR-S										
DOUG FIR-T		45.0	13.0	20,379	23,419	26,459				
WHEMLOCK-L		167.9	48.4	2,784	5,395	8,006				
WHEMLOCK-T		191.6	55.2	2,113	4,720	7,327				
NOB FIR-L		244.2	70.4	207	700	1,193				
R ALDER-L		360.6	103.9		197	403				
<b>TOTAL</b>		<b>27.1</b>	<b>7.8</b>	<b>58,734</b>	<b>63,710</b>	<b>68,686</b>	<b>32</b>	<b>8</b>	<b>4</b>	
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-L		28.4	8.2	5,620	6,121	6,621				
DOUG FIR-S										
DOUG FIR-T		44.3	12.8	4,596	5,268	5,941				
WHEMLOCK-L		169.2	48.8	569	1,111	1,653				
WHEMLOCK-T		192.8	55.6	431	971	1,510				
NOB FIR-L		244.1	70.4	42	143	244				
R ALDER-L		360.6	103.9		37	75				
<b>TOTAL</b>		<b>25.0</b>	<b>7.2</b>	<b>12,667</b>	<b>13,651</b>	<b>14,634</b>	<b>27</b>	<b>7</b>	<b>3</b>	

TC P5PCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

<div style="border: 1px solid black; padding: 2px;">                 T03N R07W S36 Ty00PC      103.00             </div>	Project: <b>PNTBLD</b> Acres <b>103.00</b> <span style="font-size: 1.5em; margin-left: 100px;">Unit 2</span>	Page <b>1</b> Date <b>7/6/2022</b> Time <b>8:38:16AM</b>
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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		
								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	L	2M	13		3,952	3,952	407			94	6			100	40	14	305	1.61	12.9			
DF	L	3M	85		24,948	24,948	2,570		30	45	26			12	30	58		181	1.05	137.5		
DF	L	4M	2		378	378	39		100					20	57	23		33	0.35	11.5		
<b>DF Totals</b>			<b>46</b>		<b>29,278</b>	<b>29,278</b>	<b>3,016</b>		<b>27</b>	<b>51</b>	<b>23</b>		<b>0</b>	<b>11</b>	<b>26</b>	<b>63</b>		<b>181</b>	<b>1.07</b>	<b>162.0</b>		
DF	T	2M	31	.2	7,461	7,449	767			100					100	40	13	247	1.35	30.2		
DF	T	3M	62	.1	14,487	14,466	1,490		99	1					1	99		97	0.56	149.5		
DF	T	4M	7		1,504	1,504	155		100					33	34	20	12	28	0.30	54.2		
<b>DF Totals</b>			<b>37</b>	<b>.1</b>	<b>23,452</b>	<b>23,419</b>	<b>2,412</b>		<b>68</b>	<b>32</b>			<b>2</b>	<b>2</b>	<b>2</b>	<b>94</b>		<b>100</b>	<b>0.64</b>	<b>233.9</b>		
WH	L	2M	16		896	896	92			100						100	40	13	251	1.24	3.6	
WH	L	3M	79		4,282	4,282	441		47	53				7	25	68		138	0.79	31.1		
WH	L	4M	5		217	217	22		100						100			36	0.30	6.1		
<b>WH Totals</b>			<b>8</b>		<b>5,395</b>	<b>5,395</b>	<b>556</b>		<b>41</b>	<b>59</b>			<b>10</b>	<b>20</b>	<b>71</b>		<b>35</b>	<b>9</b>	<b>132</b>	<b>0.78</b>	<b>40.8</b>	
WH	T	2M	14		700	700	72			65	35					100	40	13	268	1.29	2.6	
WH	T	3M	81		3,812	3,812	393		100						8	92		39	0.52	39.3		
WH	T	4M	5		208	208	21		100					29	71			20	0.28	7.9		
<b>WH Totals</b>			<b>7</b>		<b>4,720</b>	<b>4,720</b>	<b>486</b>		<b>85</b>	<b>10</b>	<b>5</b>		<b>1</b>	<b>3</b>	<b>6</b>	<b>89</b>		<b>36</b>	<b>8</b>	<b>95</b>	<b>0.54</b>	<b>49.9</b>
NF	L	3M	100		700	700	72		27	41	32				49	51		34	10	154	0.92	4.6
<b>NF Totals</b>			<b>1</b>		<b>700</b>	<b>700</b>	<b>72</b>		<b>27</b>	<b>41</b>	<b>32</b>				<b>49</b>	<b>51</b>		<b>34</b>	<b>10</b>	<b>154</b>	<b>0.92</b>	<b>4.6</b>
RA	L	4M	100		197	197	20		100							100		37	7	70	0.35	2.8
<b>RA Totals</b>			<b>0</b>		<b>197</b>	<b>197</b>	<b>20</b>		<b>100</b>							<b>100</b>		<b>37</b>	<b>7</b>	<b>70</b>	<b>0.35</b>	<b>2.8</b>
<b>Totals</b>				<b>0.1</b>	<b>63,742</b>	<b>63,710</b>	<b>6,562</b>		<b>48</b>	<b>41</b>	<b>11</b>		<b>1</b>	<b>7</b>	<b>15</b>	<b>77</b>		<b>35</b>	<b>9</b>	<b>129</b>	<b>0.78</b>	<b>493.9</b>

TC		Stand Table Summary											Page		
PSTNDSUM													1		
T03N R07W S36 Ty00PC		103.00		Project		PNTBLD					Time:		8:38:18AM		
		Unit 2		Acres		103.00					Grown Year:				
S Spec T	DBH	Sample 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	Cufts	MBF
DF L	15	5	88	100	6.268	7.69	12.54	20.4	86.0	7.30	256	1,078	751	264	111
DF L	17	4	88	98	3.904	6.15	8.78	23.3	100.0	5.84	205	878	602	211	90
DF L	18	6	89	130	5.224	9.23	15.67	25.9	120.0	11.57	406	1,880	1,192	418	194
DF L	19	9	89	126	7.032	13.85	19.53	31.2	142.4	17.38	610	2,782	1,790	628	287
DF L	20	10	89	138	7.052	15.38	20.45	35.8	174.5	20.84	731	3,568	2,146	753	368
DF L	21	8	89	135	5.117	12.31	14.71	38.8	183.5	16.28	571	2,699	1,677	588	278
DF L	22	14	89	135	8.159	21.54	24.48	41.6	195.5	29.03	1,019	4,785	2,990	1,049	493
DF L	23	16	89	139	8.531	24.62	26.13	45.7	218.8	34.01	1,193	5,716	3,503	1,229	589
DF L	24	4	89	142	1.959	6.15	5.88	52.5	250.8	8.79	308	1,474	905	318	152
DF L	25	5	89	145	2.257	7.69	7.67	50.7	254.7	11.08	389	1,954	1,141	400	201
DF L	26	3	90	147	1.252	4.62	4.59	52.2	279.1	6.83	240	1,281	703	247	132
DF L	30	1	89	160	.313	1.54	1.25	69.4	392.5	2.48	87	492	255	90	51
DF L	72	1	90	195	.054	1.54	.27	389.1	2534.0	3.02	106	689	311	109	71
DF L	Totals	86	89	129	57.123	132.31	161.96	37.8	180.8	174.44	6,121	29,278	17,967	6,304	3,016
DFT	10	7	88	95	19.745	10.77	31.03	8.8	44.5	7.82	274	1,382	805	283	142
DFT	11	1	88	113	2.331	1.54	4.66	10.7	50.0	1.42	50	233	146	51	24
DFT	12	6	87	89	11.753	9.23	15.67	15.7	63.8	7.03	247	999	724	254	103
DFT	13	8	89	107	13.353	12.31	25.04	16.9	75.3	12.05	423	1,886	1,241	436	194
DFT	14	12	89	121	17.270	18.46	37.42	19.5	90.8	20.82	731	3,396	2,144	752	350
DFT	15	6	88	125	7.522	9.23	16.30	22.0	98.5	10.20	358	1,605	1,051	369	165
DFT	16	5	87	121	5.509	7.69	11.02	27.3	116.0	8.57	301	1,278	882	310	132
DFT	17	10	87	125	9.760	15.38	24.40	26.5	113.2	18.42	646	2,762	1,897	666	285
DFT	18	12	88	132	10.447	18.46	29.60	28.1	121.2	23.70	832	3,587	2,441	857	369
DFT	19	7	88	130	5.470	10.77	14.85	31.4	134.7	13.27	465	2,000	1,366	479	206
DFT	20	5	88	132	3.526	7.69	9.87	34.9	151.4	9.82	344	1,495	1,011	355	154
DFT	21	2	90	148	1.279	3.08	3.84	41.4	201.7	4.53	159	774	467	164	80
DFT	22	4	88	135	2.331	6.15	6.99	41.1	189.2	8.18	287	1,323	843	296	136
DFT	23	2	88	144	1.066	3.08	3.20	47.3	218.3	4.32	151	699	445	156	72
DFT	Totals	87	88	114	111.362	133.85	233.88	22.5	100.1	150.14	5,268	23,419	15,465	5,426	2,412
WH L	9	1	89	60	3.482	1.54	3.48	8.2	40.0	.91	28	139	94	29	14
WH L	10	1	90	70	2.821	1.54	2.82	12.8	60.0	1.15	36	169	119	37	17
WH L	15	2	92	114	2.507	3.08	6.27	21.0	98.0	4.21	132	614	434	136	63
WH L	16	1	93	136	1.102	1.54	3.31	23.9	116.7	2.53	79	386	261	82	40
WH L	17	1	89	120	.976	1.54	1.95	32.3	135.0	2.02	63	264	208	65	27
WH L	18	3	92	137	2.612	4.62	7.84	29.9	147.8	7.49	234	1,158	772	241	119
WH L	19	3	93	133	2.344	4.62	7.03	33.0	165.6	7.42	232	1,164	764	239	120
WH L	20	2	94	132	1.410	3.08	4.23	37.7	190.0	5.11	160	804	526	164	83
WH L	21	2	88	130	1.279	3.08	3.84	38.3	181.7	4.70	147	697	485	151	72
WH L	Totals	16	91	107	18.534	24.62	40.77	27.3	132.3	35.55	1,111	5,395	3,662	1,144	556
WHT	9	1	93	106	3.482	1.54	3.48	10.9	60.0	1.22	38	209	125	39	22
WHT	10	1	93	112	2.821	1.54	5.64	9.5	50.0	1.72	54	282	177	55	29
WHT	12	3	91	117	5.876	4.62	11.75	15.2	75.0	5.71	179	881	588	184	91
WHT	14	3	91	125	4.317	4.62	8.63	22.3	106.7	6.17	193	921	635	199	95
WHT	15	4	93	124	5.015	6.15	12.54	22.3	107.0	8.93	279	1,341	920	287	138
WHT	16	1	91	136	1.102	1.54	3.31	22.9	106.7	2.42	76	353	249	78	36
WHT	17	1	93	137	.976	1.54	2.93	27.2	130.0	2.55	80	381	263	82	39
WHT	23	1	93	120	.533	1.54	1.60	45.9	220.0	2.35	73	352	242	76	36
WHT	Totals	15	92	119	24.123	23.08	49.88	19.5	94.6	31.06	971	4,720	3,199	1,000	486
NFL	16	1	91	140	1.102	1.54	3.31	21.3	103.3	1.69	70	342	174	73	35
NFL	26	1	90	130	.417	1.54	1.25	58.1	286.7	1.75	73	359	180	75	37

TC		PSTNDSUM		Stand Table Summary						Page		2			
										Date:		7/6/2022			
T03N R07W S36 Ty00PC		103.00		Project PNTBLD						Time:		8:38:18AM			
				Acres 103.00						Grown Year:					
				Unit 2											
S Spec T	Sample DDH	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
NFL	Totals	2	91	137	1.519	3.08	4.56	31.4	153.7	3.44	143	700	354	147	72
RAL	10	1	91	80	2.821	1.54	2.82	13.1	70.0	1.02	37	197	105	38	20
RAL	Totals	1	91	80	2.821	1.54	2.82	13.1	70.0	1.02	37	197	105	38	20
DFS	8	2	57	30	8.815	3.08									
DFS	10	2	86	69	5.641	3.08									
DFS	Totals	4	68	45	14.456	6.15									
Totals		211	88	113	229.937	324.62	493.86	27.6	129.0	395.65	13,651	63,710	40,752	14,060	6,562





Log Stock Table - MBF

T03N R07W S36 Ty00PC 103.00

Unit 2

Project: PNTBLD  
Acres 103.00

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Date 7/6/2022  
Time 8:38:16AM

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+
WH		Totals		556		556	8.5			95	23	112	116	160	50				
WH	T	2M	40	72		72	14.8					47		25					
WH	T	3M	32	10		10	2.1		10										
WH	T	3M	34	20		20	4.1		20										
WH	T	3M	40	362		362	74.5		87	106	170								
WH	T	4M	15	5		5	1.1		5										
WH	T	4M	20	1		1	.2		1										
WH	T	4M	21	12		12	2.5		12										
WH	T	4M	25	3		3	.6		3										
WH		Totals		486		486	7.4		138	106	170	47		25					
NF	L	3M	32	18		18	25.2					18							
NF	L	3M	34	17		17	23.6		6	11									
NF	L	3M	36	37		37	51.2		3				11	23					
NF		Totals		72		72	1.1		8	11		18		11	23				
RA	L	4M	37	20		20	100.0		20										
RA		Totals		20		20	.3		20										
Total		All Species		6,565		6,562	100.0		1236	622	1259	1334	927	1042	71	6	13	51	



TC PSTATS		PROJECT STATISTICS							PAGE	1
		PROJECT		PNTBLD			DATE		7/6/2022	
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
03N	07	36	00U1	Unit 142		287.00	44	694	S	W
03N	07W	36	00U2	00PC						
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL		44	694	15.8						
CRUISE		44	693	15.8	60,439	1.1				
DBH COUNT										
REFOREST COUNT										
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-L	293	53.5	21.4	130	28.8	133.1	30,669	30,667	6,212	6,212
DOUG FIR-S	22	20.1	9.6	52	3.3	10.1				
DOUG FIR-T	277	98.7	15.3	113	32.3	126.6	22,484	22,369	5,071	5,071
WHEMLOCK-L	48	17.2	15.3	107	5.6	22.1	4,711	4,711	957	957
WHEMLOCK-T	39	17.9	13.6	103	4.9	18.2	3,274	3,274	713	713
NOB FIR-L	12	1.7	23.6	134	1.1	5.2	1,361	1,361	258	258
R ALDER-L	2	1.3	11.5	81	0.3	1.0	128	128	26	26
TOTAL	693	210.6	16.6	110	77.6	316.3	62,627	62,509	13,237	13,237
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-L		109.7	6.4	692	739	787				
DOUG FIR-S										
DOUG FIR-T		67.4	4.0	295	308	320				
WHEMLOCK-L		53.9	7.8	338	366	395				
WHEMLOCK-T		69.5	11.1	222	249	277				
NOB FIR-L		75.5	22.7	917	1,187	1,456				
R ALDER-L		58.9	55.2	54	120	186				
TOTAL		123.0	4.7	473	496	519	604	151	67	
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-L		87.4	5.1	137	144	152				
DOUG FIR-S										
DOUG FIR-T		60.8	3.7	67	69	72				
WHEMLOCK-L		51.0	7.4	68	74	79				
WHEMLOCK-T		63.9	10.2	49	55	60				
NOB FIR-L		66.7	20.1	172	216	259				
R ALDER-L		70.2	65.7	9	26	43				
TOTAL		98.5	3.7	97	101	105	387	97	43	
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-L		44.3	6.7	50	54	57				
DOUG FIR-S		297.9	44.9	11	20	29				
DOUG FIR-T		67.3	10.1	89	99	109				
WHEMLOCK-L		129.2	19.5	14	17	21				
WHEMLOCK-T		210.6	31.7	12	18	24				
NOB FIR-L		208.2	31.4	1	2	2				
R ALDER-L		520.8	78.4	0	1	2				
TOTAL		49.5	7.5	195	211	226	98	24	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	

**PROJECT STATISTICS**  
PROJECT PNTBLD

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
03N	07	36	00U1	Unit 102	287.00	44	694	S	W			
03N	07W	36	00U2							OPCM 00PC		
			DOUG FIR-L	27.4	4.1	128	133	139				
			DOUG FIR-S	272.0	41.0	6	10	14				
			DOUG FIR-T	55.0	8.3	116	127	137				
			WHEMLOCK-L	146.5	22.1	17	22	27				
			WHEMLOCK-T	197.3	29.7	13	18	24				
			NOB FIR-L	166.8	25.1	4	5	7				
			R ALDER-L	468.5	70.6	0	1	2				
			<b>TOTAL</b>	<b>28.9</b>	<b>4.3</b>	<b>303</b>	<b>316</b>	<b>330</b>	<b>33</b>	<b>8</b>	<b>4</b>	
<b>CL</b>	<b>68.1</b>	<b>COEFF</b>	<b>NET BF/ACRE</b>			<b># OF PLOTS REQ.</b>		<b>INF. POP.</b>				
<b>SD:</b>	<b>1.0</b>	<b>VAR.%</b>	<b>S.E.%</b>	<b>LOW</b>	<b>AVG</b>	<b>HIGH</b>	<b>5</b>	<b>10</b>	<b>15</b>			
				DOUG FIR-L	30.3	4.6	29,267	30,667	32,066			
				DOUG FIR-S								
				DOUG FIR-T	65.2	9.8	20,173	22,369	24,565			
				WHEMLOCK-L	160.5	24.2	3,572	4,711	5,850			
				WHEMLOCK-T	208.9	31.5	2,243	3,274	4,304			
				NOB FIR-L	172.8	26.0	1,006	1,361	1,715			
				R ALDER-L	466.3	70.2	38	128	218			
				<b>TOTAL</b>	<b>34.6</b>	<b>5.2</b>	<b>59,254</b>	<b>62,509</b>	<b>65,764</b>	<b>48</b>	<b>12</b>	<b>5</b>
<b>CL</b>	<b>68.1</b>	<b>COEFF</b>	<b>NET CUFT FT/ACRE</b>			<b># OF PLOTS REQ.</b>		<b>INF. POP.</b>				
<b>SD:</b>	<b>1.0</b>	<b>VAR.%</b>	<b>S.E.%</b>	<b>LOW</b>	<b>AVG</b>	<b>HIGH</b>	<b>5</b>	<b>10</b>	<b>15</b>			
				DOUG FIR-L	28.5	4.3	5,945	6,212	6,478			
				DOUG FIR-S								
				DOUG FIR-T	61.7	9.3	4,600	5,071	5,542			
				WHEMLOCK-L	162.1	24.4	723	957	1,191			
				WHEMLOCK-T	203.0	30.6	495	713	931			
				NOB FIR-L	169.6	25.5	192	258	324			
				R ALDER-L	463.6	69.8	8	26	45			
				<b>TOTAL</b>	<b>32.8</b>	<b>4.9</b>	<b>12,583</b>	<b>13,237</b>	<b>13,890</b>	<b>43</b>	<b>11</b>	<b>5</b>

TC P5PCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T03N R07W S36 Ty0PCM 184.00 T03N R07W S36 Ty00PC 103.00	Project: PNTBLD Acres 287.00 Unit 1 & 2	Page 1 Date 7/6/2022 Time 8:51:28AM
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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
								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	L	2M	4		1,511	1,511	434			91	9				100	40	14	308	1.62	4.9
DF	L	3M	95	.0	29,023	29,020	8,329		23	40	37	0	20	40	40	34	11	195	1.14	149.0
DF	L	4M	1		136	136	39		100			20	57		23	25	6	33	0.35	4.1
<b>DF Totals</b>			49	.0	30,669	30,667	8,801		22	42	35	0	19	38	43	34	11	194	1.14	158.0
DF	T	CU														5	19		0.00	.5
DF	T	2M	37	.8	8,380	8,310	2,385			91	9				100	40	13	266	1.43	31.2
DF	T	3M	56	.3	12,661	12,622	3,622		99	1				3	97	39	8	99	0.59	127.3
DF	T	4M	7	.4	1,443	1,437	412		100			30	47	14	9	22	6	28	0.30	52.2
<b>DF Totals</b>			36	.5	22,484	22,369	6,420		62	34	3	2	3	3	92	35	8	106	0.68	211.2
WH	L	2M	8		385	385	110			100					100	40	13	249	1.22	1.5
WH	L	3M	90		4,241	4,241	1,217		50	45	5		32	24	44	34	9	123	0.74	34.4
WH	L	4M	2		86	86	25		100				100			27	6	35	0.30	2.4
<b>WH Totals</b>			8		4,711	4,711	1,352		47	49	4		30	21	48	34	9	123	0.74	38.4
WH	T	2M	25		828	828	238			81	19				100	40	13	269	1.33	3.1
WH	T	3M	68		2,224	2,224	638		97	3				5	95	39	8	99	0.56	22.6
WH	T	4M	7		221	221	63		100			35	48	17		20	6	26	0.29	8.4
<b>WH Totals</b>			5		3,274	3,274	940		73	22	5	2	3	4	90	35	8	96	0.60	34.1
NF	L	3M	100		1,361	1,361	390		14	26	61		15	35	50	34	12	250	1.41	5.4
<b>NF Totals</b>			2		1,361	1,361	390		14	26	61		15	35	50	34	12	250	1.41	5.4
RA	L	4M	55		71	71	20		100						100	37	7	70	0.35	1.0
RA	L	CR	45		57	57	16		100				100			30	9	85	0.66	.7
<b>RA Totals</b>			0		128	128	37		100				45		55	34	8	76	0.46	1.7
<b>Totals</b>				0.2	62,627	62,509	17,940		41	39	20	1	13	22	64	35	9	139	0.85	448.8

TC		Stand Table Summary											Page	1	
PSTNDSUM													Date:	7/6/2022	
T03N R07W S36 Ty0PCM		184.00		Project		PNTBLD			Time:		8:51:30AM				
T03N R07W S36 Ty00PC		103.00		Unit 1&2		Acres			287.00		Grown Year:				
S Spec T	DBH	Sample 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. Bd.Ft.	Net Cu.Ft. Acre				Net Bd.Ft. Acre	Tons	Cunits
DF L	13	1	88	116	.449	.41	.90	17.1	80.0	.44	15	72	126	44	21
DF L	15	11	88	102	4.272	5.24	8.54	21.0	92.2	5.10	179	788	1,465	514	226
DF L	16	8	88	109	2.370	3.31	5.63	21.8	96.3	3.50	123	542	1,005	353	156
DF L	17	8	88	102	2.451	3.86	5.51	24.3	104.3	3.83	134	575	1,098	385	165
DF L	18	19	89	119	4.917	8.69	13.58	25.9	117.1	10.04	352	1,590	2,881	1,011	456
DF L	19	23	89	125	5.465	10.76	15.41	30.7	142.5	13.50	474	2,196	3,875	1,359	630
DF L	20	24	89	131	5.185	11.31	15.11	34.0	165.4	14.65	514	2,500	4,205	1,475	717
DF L	21	27	89	134	5.104	12.28	15.43	36.3	173.9	15.95	560	2,683	4,577	1,606	770
DF L	22	26	89	134	4.808	12.69	14.43	41.2	194.5	16.93	594	2,806	4,859	1,705	805
DF L	23	39	89	135	6.359	18.35	19.41	44.3	214.3	24.49	859	4,160	7,030	2,467	1,194
DF L	24	29	89	147	3.995	12.55	13.56	46.5	234.0	17.98	631	3,174	5,161	1,811	911
DF L	25	15	89	145	2.023	6.90	7.24	48.1	247.8	9.93	349	1,795	2,851	1,000	515
DF L	26	16	88	155	1.908	7.03	7.26	51.8	275.9	10.70	376	2,002	3,072	1,078	575
DF L	27	10	89	146	1.040	4.14	3.75	55.9	295.3	5.97	209	1,106	1,712	601	317
DF L	28	16	90	153	1.548	6.62	6.00	58.9	324.4	10.08	354	1,945	2,892	1,015	558
DF L	29	7	89	154	.631	2.90	2.52	60.8	335.7	4.38	154	848	1,256	441	243
DF L	30	2	89	160	.197	.97	.79	69.4	392.5	1.56	55	309	447	157	89
DF L	31	4	89	156	.316	1.65	1.26	71.4	403.1	2.57	90	509	737	259	146
DF L	32	2	90	165	.148	.83	.59	80.0	450.0	1.35	47	267	387	136	77
DF L	33	2	80	153	.139	.83	.49	86.5	424.3	1.20	42	207	345	121	59
DF L	34	1	89	84	.066	.41	.13	104.7	455.0	.39	14	60	112	39	17
DF L	35	1	89	170	.062	.41	.25	98.6	567.5	.70	24	141	200	70	40
DF L	44	1	90	170	.039	.41	.16	159.8	932.5	.71	25	146	205	72	42
DF L	72	1	90	195	.020	.55	.10	389.1	2534.0	1.08	38	247	311	109	71
DF L	Totals	293	89	130	53.510	133.10	158.05	39.3	194.0	177.03	6,212	30,667	50,807	17,827	8,801
DF T	8	3	84	60	3.555	1.24	3.55	4.2	23.3	.43	15	83	124	43	24
DF T	10	11	88	89	10.120	5.52	14.17	9.5	46.8	3.84	135	663	1,102	387	190
DF T	11	7	88	97	4.597	3.03	7.94	10.9	47.6	2.46	86	378	705	247	109
DF T	12	16	88	99	9.484	7.45	16.16	14.0	59.7	6.46	227	964	1,855	651	277
DF T	13	20	89	102	10.177	9.38	19.75	15.8	67.9	8.87	311	1,341	2,546	893	385
DF T	14	28	88	116	12.389	13.24	25.81	19.3	88.2	14.22	499	2,275	4,081	1,432	653
DF T	15	21	87	117	7.755	9.52	16.97	21.2	92.3	10.25	360	1,567	2,942	1,032	450
DF T	16	25	88	117	7.902	11.03	16.69	25.8	110.7	12.25	430	1,848	3,517	1,234	530
DF T	17	27	88	120	7.964	12.55	18.99	26.8	113.5	14.53	510	2,156	4,170	1,463	619
DF T	18	29	88	131	7.728	13.66	21.39	28.6	123.9	17.44	612	2,650	5,006	1,756	760
DF T	19	26	88	134	5.954	11.72	16.67	31.6	138.2	15.02	527	2,304	4,312	1,513	661
DF T	20	19	88	139	3.920	8.55	11.13	35.8	159.3	11.37	399	1,773	3,263	1,145	509
DF T	21	13	88	138	2.351	5.65	6.54	40.3	181.7	7.52	264	1,187	2,157	757	341
DF T	22	13	85	137	2.247	5.93	6.58	42.6	185.6	8.00	281	1,222	2,296	806	351
DF T	23	11	89	145	1.673	4.83	5.31	45.6	209.4	6.89	242	1,111	1,977	694	319
DF T	24	2	87	154	.263	.83	.79	54.9	255.0	1.24	43	201	355	125	58
DF T	25	1	86	163	.121	.41	.49	46.1	212.5	.64	22	103	183	64	30
DF T	26	2	87	152	.224	.83	.67	59.1	291.7	1.13	40	196	325	114	56
DF T	27	1	89	176	.104	.41	.42	60.3	327.5	.72	25	136	205	72	39
DF T	28	1	90	141	.097	.41	.29	70.9	326.7	.59	21	95	168	59	27
DF T	29	1	86	166	.090	.41	.36	62.9	317.5	.65	23	115	185	65	33
DF T	Totals	277	88	113	98.715	126.62	210.67	24.1	106.2	144.51	5,071	22,369	41,474	14,552	6,420
WH L	9	2	90	69	2.186	.97	2.19	9.2	48.6	.65	20	106	185	58	30
WH L	10	3	91	79	2.529	1.38	2.53	13.2	63.0	1.07	33	159	306	96	46
WH L	11	1	93	110	.627	.41	1.25	12.0	60.0	.48	15	75	138	43	22
WH L	13	1	93	120	.449	.41	1.35	12.3	56.7	.53	17	76	153	48	22
WH L	14	4	92	100	1.548	1.65	3.10	19.7	95.0	1.95	61	294	560	175	84

TC		PSTNDSUM		Stand Table Summary										Page 2		
														Date: 7/6/2022		
		T03N R07W S36 Ty0PCM 184.00		Project PNTBLD										Time: 8:51:30AM		
		T03N R07W S36 Ty00PC 103.00		Unit 1&2 Acres 287.00										Grown Year:		
S Spec	T	DBH	Sample 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
WHL		15	6	92	112	2.248	2.76	5.28	22.0	104.9	3.72	116	554	1,069	334	159
WHL		16	4	93	120	1.284	1.79	3.85	21.5	105.9	2.64	83	408	759	237	117
WHL		17	4	92	124	1.138	1.79	3.06	26.2	122.6	2.56	80	375	736	230	108
WHL		18	6	92	132	1.640	2.90	4.92	29.2	144.4	4.60	144	710	1,320	412	204
WHL		19	6	93	123	1.471	2.90	4.41	30.7	154.1	4.34	136	680	1,244	389	195
WHL		20	4	94	129	.885	1.93	2.66	37.1	187.1	3.15	99	497	905	283	143
WHL		21	4	89	124	.803	1.93	2.41	36.9	178.1	2.85	89	429	817	255	123
WHL		23	2	94	145	.287	.83	1.00	46.6	250.0	1.50	47	251	430	134	72
WHL		24	1	93	111	.132	.41	.39	46.7	240.0	.59	18	95	169	53	27
WHL	Totals		48	92	107	17.226	22.07	38.40	24.9	122.7	30.63	957	4,711	8,791	2,747	1,352
WHT		8	1	80	40	1.185	.41	1.18	4.1	20.0	.16	5	24	45	14	7
WHT		9	1	93	106	1.250	.55	1.25	10.9	60.0	.44	14	75	125	39	22
WHT		10	3	90	95	2.529	1.38	4.30	9.9	48.2	1.36	42	207	390	122	60
WHT		12	7	90	102	4.216	3.31	7.90	14.6	65.3	3.70	116	516	1,061	332	148
WHT		13	1	91	78	.449	.41	.45	22.7	90.0	.33	10	40	94	29	12
WHT		14	5	90	113	2.323	2.48	4.65	20.7	95.3	3.09	96	443	885	277	127
WHT		15	5	93	122	2.137	2.62	5.17	22.7	108.7	3.76	118	562	1,080	337	161
WHT		16	3	90	120	.988	1.38	2.37	25.6	113.3	1.94	61	269	557	174	77
WHT		17	4	92	115	1.138	1.79	2.63	29.8	131.0	2.50	78	344	719	225	99
WHT		18	2	91	103	.468	.83	.94	35.6	140.0	1.07	33	131	306	96	38
WHT		20	4	90	114	.758	1.65	1.71	43.2	200.0	2.36	74	341	676	211	98
WHT		22	2	93	124	.313	.83	.94	42.8	206.7	1.29	40	194	369	115	56
WHT		23	1	93	120	.191	.55	.57	45.9	220.0	.84	26	126	242	76	36
WHT	Totals		39	90	103	17.945	18.21	34.06	20.9	96.1	22.82	713	3,274	6,549	2,047	940
NFL		16	1	91	140	.395	.55	1.19	21.3	103.3	.61	25	123	174	73	35
NFL		18	1	91	124	.234	.41	.70	24.0	113.3	.40	17	80	116	48	23
NFL		19	1	91	125	.210	.41	.63	28.9	140.0	.44	18	88	126	52	25
NFL		23	1	90	120	.143	.41	.43	42.0	203.3	.43	18	87	124	52	25
NFL		24	1	91	140	.132	.41	.39	53.6	266.7	.51	21	105	146	61	30
NFL		26	1	90	130	.150	.55	.45	58.1	286.7	.63	26	129	180	75	37
NFL		28	2	91	153	.193	.83	.77	58.6	330.0	1.09	45	255	313	130	73
NFL		29	1	90	73	.090	.41	.18	65.2	285.0	.28	12	51	81	34	15
NFL		35	1	91	170	.062	.41	.25	101.2	595.0	.60	25	147	173	72	42
NFL		36	1	91	169	.059	.41	.23	109.4	650.0	.61	26	152	176	74	44
NFL		38	1	91	167	.053	.41	.21	115.8	677.5	.58	24	142	168	70	41
NFL	Totals		12	91	134	1.721	5.24	5.44	47.4	250.1	6.19	258	1,361	1,776	740	390
RAL		10	1	91	80	1.012	.55	1.01	13.1	70.0	.37	13	71	105	38	20
RAL		15	1	92	85	.337	.41	.67	19.5	85.0	.36	13	57	104	38	16
RAL	Totals		2	91	81	1.349	.97	1.69	15.7	76.0	.73	26	128	208	76	37
DFS		7	1	72	35	1.634	.44									
DFS		8	6	74	49	8.167	2.85									
DFS		9	4	88	53	3.953	1.75									
DFS		10	5	84	61	4.426	2.41									
DFS		12	1	87	74	.556	.44									
DFS		15	3	88	47	1.067	1.31									
DFS		21	1	86	71	.182	.44									
DFS		24	1	82	52	.139	.44									
DFS	Totals		22	80	52	20.123	10.07									
Totals			693	88	110	210.589	316.28	448.31	29.5	139.4	381.90	13,237	62,509	109,605	37,989	17,940









Log Stock Table - MBF

T03N R07W S36 Ty0PCM 184.00  
 T03N R07W S36 Ty00PC 103.00

Unit 142

Project: PNTBLD  
 Acres 287.00

Page 4  
 Date 7/6/2022  
 Time 8:51:28AM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spe	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		Totals			940		940	5.2			257	176	249	132	39	86					
NF	L	3M	30		59		59	15.1						17		11		31			
NF	L	3M	31		7		7	1.9						7							
NF	L	3M	32		91		91	23.3			9		8	26	14	15		19			
NF	L	3M	33		2		2	.5			2										
NF	L	3M	34		37		37	9.4			7	11		6		12					
NF	L	3M	36		143		143	36.6			3				11	23		28	78		
NF	L	3M	37		6		6	1.4								6					
NF	L	3M	38		46		46	11.7			5			9	6	26					
NF		Totals			390		390	2.2			26	11	16	58	31	93		77	78		
RA	L	4M	37		20		20	55.3			20										
RA	L	CR	29		12		12	31.6						12							
RA	L	CR	30		5		5	13.1			5										
RA		Totals			37		37	.2			25			12							
Total		All Species			17,974		17,940	100.0			2817	1552	2976	3358	2462	3379		1100	211	34	51

**VOLUME SUMMARY**  
(Shown in MBF)  
**Point Belding**  
#FG-341-2023-W00528-01  
June 2022

**UNIT 1: PC (184 ACRES)**

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	1,618	2,132	257	4,007
	Hidden D&B (2%)	(32)	(43)	(5)	(80)
	<b>NET TOTAL</b>	1,586	2,089	252	3,927
	% of Total	40	53	7	
Western hemlock	Cruise Volume	166	246	42	454
	Hidden D&B (2%)	(3)	(5)	(1)	(9)
	<b>NET TOTAL</b>	163	241	41	445
	% of Total	37	54	9	

**UNIT 2: PC (103 ACRES)**

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	767	1,490	155	2,412
	Hidden D&B (2%)	(15)	(30)	(3)	(48)
	<b>NET TOTAL</b>	752	1,460	152	2,364
	% of Total	32	62	6	
Western hemlock	Cruise Volume	72	393	21	486
	Hidden D&B (2%)	(1)	(8)	(1)	(10)
	<b>NET TOTAL</b>	71	385	20	476
	% of Total	15	81	4	

**UNIT 3: PC-GR (6 ACRES)**

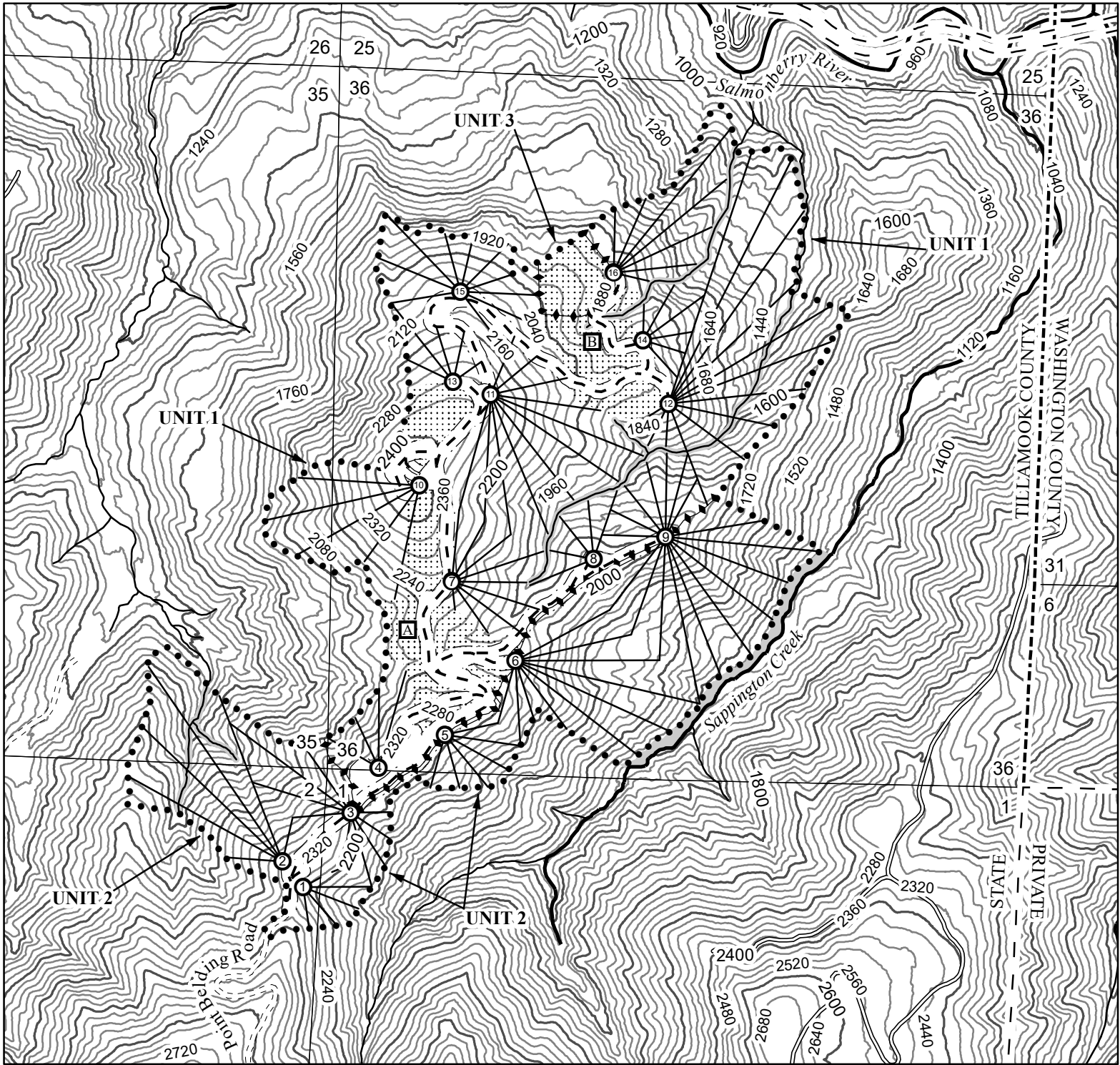
SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	127	168	22	317
	Hidden D&B (2%)	(3)	(3)	(0)	(6)
	<b>NET TOTAL</b>	124	165	22	311
	% of Total	40	53	7	
Western hemlock	Cruise Volume	16	23	4	43
	Hidden D&B (2%)	(0)	(0)	(0)	(0)
	<b>NET TOTAL</b>	16	23	4	43
	% of Total	37	54	9	

**UNIT 4: R/W (21 ACRES)**

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	443	588	78	1,109
	Hidden D&B (2%)	(9)	(12)	(1)	(22)
	<b>NET TOTAL</b>	434	576	77	1,087
	% of Total	40	53	7	
Western hemlock	Cruise Volume	54	82	15	151
	Hidden D&B (2%)	(1)	(2)	(0)	(3)
	<b>NET TOTAL</b>	53	80	15	148
	% of Total	36	54	10	

**SALE TOTAL**

SPECIES	2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	2,896	4,290	503	7,689
Western hemlock	303	729	80	1,112
<b>TOTAL</b>	3,199	5,019	583	8,801



- Legend**
- Timber Sale Boundary
  - ◆ Area Boundary
  - ┌┐ ODF Ownership Boundary
  - Surfaced Roads
  - - - Unsurfaced Roads
  - · - New Road Construction
  - Right-of-Way Boundary
  - Type-F Stream
  - Type-N Stream
  - ▒ Stream Buffer
  - ▾ Cable Yarding Area
  - ⋯ Tractor Yarding Area
  - Cable Landing
  - Tractor Landing
  - ▒ County Line
  - Section Lines
  - 40 Foot Contour Band
  - 200 Foot Contour Band

# LOGGING PLAN

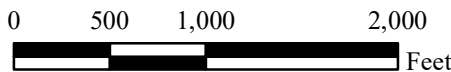
FOR TIMBER SALE CONTRACT #FG-341-2023-W00528-01  
 POINT BELDING  
 PORTIONS OF SECTIONS 35 & 36, T3N, R7W, W.M., &  
 PORTIONS OF SECTIONS 1 & 2 T2N, R7W, W.M.,  
 TILLAMOOK COUNTY, OREGON

Forest Grove District GIS  
 July, 2022

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

1:12,000

1 inch = 1,000 feet



## APPROXIMATE NET ACRES

	TRACTOR	CABLE
UNIT 1	29	155
UNIT 2	0	103
UNIT 3	6	0
UNIT 4	21	0
<b>TOTAL</b>	<b>56</b>	<b>258</b>