



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Old Fort Combo
Sale WO-341-2022-W00904-01

District: West Oregon

Date: September 29, 2021

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$254,239.44	\$0.00	\$254,239.44
		Project Work:	(\$16,211.00)
		Advertised Value:	\$238,028.44



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Timber Description

Location:

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	11	0	97

Volume by Grade	3S & 4S 6"-11"	Total
Douglas - Fir	1,274	1,274
Total	1,274	1,274

Comments: Pond Values Used: Local Pond Values, August, 2021

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:
\$74.56/MBF = \$525/MBF - \$450.44/MBF

Red Alder Stumpage Price = Pond Value minus Logging Cost:
\$229.56/MBF = \$680/MBF - \$450.44/MBF

Bigleaf maple Stumpage Price = Hardwood Pulp price using a conversion factor of 10 Ton/MBF: =
\$25.00/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
\$579.56/MBF = \$1,180/MBF - \$450.44/MBF - \$150.00/MBF(extra haul distance)

PULP (Conifer and Hardwood Price) = \$2.50/TON

Other Costs (with Profit & Risk to be added):
Intermediate Support/Tail Trees: 8 supports @ \$100/support = \$800
TOTAL Other Costs (with Profit & Risk to be added) = \$800

Other Costs (No Profit & Risk added):
Equipment Cleaning (Invasive Species): \$2,000
Non-Project Roads and Landings: 3 stations @ \$122/station = \$366
Landing slash piling/firewood sorting: 9 Landings @ \$180/Landing = \$1,620
TOTAL Other Costs (No Profit & Risk added) = \$3,986

ROAD MAINTENANCE

Move-in: (Grader) \$875
Move-in: (Roller) \$875
Final Road Maintenance: \$9,959.19
TOTAL Road Maintenance: \$11709.19/1278 MBF = \$9.16/MBF

SLASH DISPOSAL

Weed Wash: \$300
Move-In: \$1,290
Project Work:
In Unit: 27 hrs @ \$150/hr = \$4,050
TOTAL Slash Disposal = \$5,640



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Logging Conditions

Combination#:	1	Douglas - Fir	44.00%
Logging System:	Cable: Medium Tower >40 - <70	Process:	Stroke Delimber
yarding distance:	Medium (800 ft)	downhill yarding:	No
tree size:	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
loads / day:	4	bd. ft / load:	3600
cost / mbf:	\$416.67		
machines:	Log Loader (A) Stroke Delimber (A) Tower Yarder (Medium)		
Combination#:	2	Douglas - Fir	15.00%
Logging System:	Shovel	Process:	Harvester Head Delimbing
yarding distance:	Short (400 ft)	downhill yarding:	No
tree size:	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
loads / day:	11	bd. ft / load:	3600
cost / mbf:	\$134.95		
machines:	Forwarder Harvester		
Combination#:	3	Douglas - Fir	13.00%
Logging System:	Cable: Medium Tower >40 - <70	Process:	Stroke Delimber
yarding distance:	Medium (800 ft)	downhill yarding:	No
tree size:	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
loads / day:	6	bd. ft / load:	3600
cost / mbf:	\$277.78		
machines:	Log Loader (A) Stroke Delimber (A) Tower Yarder (Medium)		
Combination#:	4	Douglas - Fir	28.00%
Logging System:	Cable: Medium Tower >40 - <70	Process:	Stroke Delimber
yarding distance:	Short (400 ft)	downhill yarding:	No
tree size:	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
loads / day:	8	bd. ft / load:	3600
cost / mbf:	\$208.33		
machines:	Log Loader (A) Stroke Delimber (A) Tower Yarder (Medium)		



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District: West Oregon

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Logging Costs

Operating Seasons: 2.00	Profit Risk: 10%
Project Costs: \$16,211.00	Other Costs (P/R): \$800.00
Slash Disposal: \$5,640.00	Other Costs: \$3,986.00

Miles of Road

Road Maintenance: \$9.16

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	3.8



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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
Douglas - Fir									
\$298.02	\$9.43	\$6.89	\$85.83	\$0.63	\$40.08	\$4.43	\$2.00	\$3.13	\$450.44

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$650.00	\$199.56	\$0.00



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District: West Oregon

Date: September 29, 2021

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,274	\$199.56	\$254,239.44

Gross Timber Sale Value

Recovery: \$254,239.44

Prepared By: David Bailey

Phone: 541-929-9164

SUMMARY OF ALL PROJECT COSTS

Sale Name: Old Fort Combo

Date: June 2021

Time: 11:44

Project #1 - Improvements

<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
1 to 2	171.0 sta	\$3,996
3 to 4	15.2 sta	\$110
5 to 6	8.7 sta	\$552
7 to 8	13.7 sta	\$1,858
9 to 10	1.5 sta	\$550

TOTALS	210.1 sta	\$7,066
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Project #2 - Gate install

<u>Quantity</u>	<u>Cost</u>
1	\$5,945

Project #3 - Move in

	<u>Cost</u>
Excavator, C325 or equiv.	\$1,450
Grader, Cat 14-G or equiv.	\$875
Vibratory roller	\$875

TOTAL	\$3,200
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GRAND TOTAL

\$16,211

Compiled by David Bailey

Date 06/22/2021

SUMMARY OF CONSTRUCTION COST

SALE	Old Fort Combo	Project # 1	LENGTH improve	171.0 sta
ROAD	1 to 2 (Surfaced)	Bonner Creek/Fort Extension Roads		

IMPROVEMENT

Reopen Landing (Sta. 162+20) (with grader)	0.5 hrs.	@	\$114.00 /hr	=	\$57
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TOTAL IMPROVEMENT =	\$57
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SURFACING

		Size	Cost/yd		
Landing rock (141+30/Pt. 7)	20 cy of	3"-0"	\$18.46	=	\$369
Landing rock (Sta. 162+20)	30 cy of	Jaw Run	\$17.11	=	\$513
Landing rock (Pt. 2)	30 cy of	Jaw Run	\$17.11	=	\$513
Spot rock	110 cy of	1½"-0"	\$18.80	=	\$2,068
Shape surface and Landings (with road grader)	13 sta @	\$20.63 /sta		=	\$268
Compact surface and Landings (with vibratory roller)	13 sta @	\$16.00 /sta		=	\$208

TOTAL ROCK COST =	\$3,939
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Compiled by:	David Bailey
Date:	Jun 22, 2021

GRAND TOTAL =====>	\$3,996
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SUMMARY OF CONSTRUCTION COST

SALE ROAD	Old Fort Combo 3 to 4 (Surfaced)	Project # 1	LENGTH improve	15.2 sta
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IMPROVEMENT

Shape surface (with road grader)	3.0 sta	@	\$20.63 /sta	=	\$62
Compact subgrade (with vibratory roller)	3.0 sta	@	\$16.00 /sta	=	\$48

TOTAL IMPROVEMENT = \$110

Compiled by: David Bailey
Date: Jun 22, 2021

GRAND TOTAL =====> \$110

SUMMARY OF CONSTRUCTION COST

SALE	Old Fort Combo	Project #	1	LENGTH	improve	8.7 sta
ROAD	5 to 6 (Surfaced)					

IMPROVEMENT

Shape surface and Landing (with road grader)	5 sta	@	\$20.63 /sta	=	\$103
Compact surface and Landing (with vibratory roller)	5 sta	@	\$16.00 /sta	=	\$80

TOTAL IMPROVEMENT =	\$183
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SURFACING

Landing rock (Sta. 7+00)	20 cy of	Size	3"-0"	Cost/yd	\$18.46	=	\$369
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TOTAL ROCK COST =	\$369
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Compiled by:	David Bailey
Date:	Jun 22, 2021

GRAND TOTAL =====>	\$552
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SUMMARY OF CONSTRUCTION COST

SALE Old Fort Combo Project # 1 LENGTH improve 13.7 sta
ROAD 7 to 8 (Surfaced)

SURFACING

		Size	Cost/yd		
Spot rock	50 cy of	1 1/2"-0"	\$18.80	=	\$940
Landing rock (Pt. 8)	30 cy of	Jaw Run	\$17.11	=	\$513
Turnaround rock (Sta. 13+40)	10 cy of	3-0"	\$18.46	=	\$185
Shape surface, Turnout and Landing (with road grader)	6.0 sta @	\$20.63	/sta	=	\$124
Compact subgrade, Turnout and Landing (with vibratory roller)	6.0 sta @	\$16.00	/sta	=	\$96

TOTAL ROCK COST = \$1,858

Compiled by:
Date:

David Bailey
Jun 22, 2021

GRAND TOTAL =====> \$1,858

SUMMARY OF CONSTRUCTION COST

SALE Old Fort Combo Project # 1 LENGTH improve 1.5 sta
ROAD 9 to 10 (Surfaced)

SURFACING

			Size	Cost/yd		
Landing rock (Pt. 10)	30	cy of	Jaw Run	\$17.11	=	\$513
Shape surface (Pt 10)	1.0	sta @	\$20.63	/sta	=	\$21
(with road grader)						
Compact subgrade	1.0	sta @	\$16.00	/sta	=	\$16
(with vibratory roller)						

TOTAL ROCK COST = \$550

Compiled by: David Bailey
Date: Jun 22, 2021

GRAND TOTAL =====> \$550

SUMMARY OF CONSTRUCTION COST

SALE
ROAD

Old Fort Combo
Pt. 1 to 2 (Sta.3+70)

Project # 2

Remove Old Gate

Transport/Disposal	1 gate	@	\$100.00 /gate	=	\$100
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TOTAL TRANSPORT/DISPOSAL =	\$100
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Gate Installation

Gate manufacturing	1 gate	@	\$3,500.00 /gate	=	\$3,500
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Transport gate	1 trip	@	\$100.00 /trip	=	\$100
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Gate installation	1 gate	@	\$2,000.00 /ea	=	\$2,000
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Gate rock	10 CY	11/2"-0"	@	\$18.80 /CY	=	\$188
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Rock Compaction	1 hr	@	\$57.00 /hr	=	\$57
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TOTAL GATE INSTALLATION =	\$5,845
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Compiled by:
Date:

David Bailey
Jun 22, 2021

GRAND TOTAL =====>	\$5,945
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SUMMARY OF MAINTENANCE COST

SALE	Old Fort Combo	Final log haul Maintenance Cost Estimate (Costed in appraisal, not in project costs)
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
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80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Grader	Move-in	\$	875
Roller	Move-in	\$	875

Road Segment	Length	Cost/Sta	Cost	Mileage
1 to 2	171	\$36.63	\$6,263.73	3.24
5 to 6	8.7	\$36.63	\$318.68	0.16
7 to 8	13.7	\$36.63	\$501.83	0.26
9 to 10	1.5	\$36.63	\$54.95	0.03
Total	194.9		\$7,139.19	3.69

Maintenance Rock:

1½"-0"	Volume	Cost/CY	Cost
	150	\$18.80	\$2,820.00

Grand Total	\$ 11,709.19
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TS Volume 1,278 MBF

Cost / MBF = \$9.16

NOTES:

Rock Haul Cost Computation

SALE NAME: Old Fort Combo

DATE: Jun 22, 2021

ROAD NAME: Bonner Creek Road

CLASS: Medium

ROCK SOURCE Wild Rose

10 CY truck

Route: Hwy 223, Luckiamute Rd., Hoskins Rd., Bonner Creek Rd.

TIME Computation:

Road speed time factors:

1.	55 MPH		MRT	0.0 minutes
2.	50 MPH	10.0	MRT	12.0 minutes
3.	45 MPH		MRT	0.0 minutes
4.	40 MPH		MRT	0.0 minutes
5.	35 MPH	3.6	MRT	6.2 minutes
6.	30 MPH		MRT	0.0 minutes
7.	25 MPH	2.0	MRT	4.8 minutes
8.	20 MPH		MRT	0.0 minutes
9.	15 MPH	4.7	MRT	18.8 minutes
10.	10 MPH		MRT	0.0 minutes
11.	05 MPH		MRT	0.0 minutes

Dump or spread time per RT

0.50 minutes

Total hauling cycle time for this setting
(100% efficiency)

42.30 minutes

Operator efficiency correction	0.85
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49.76 minutes

Job efficiency correction	0.90
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55.29 minutes

Truck capacity (CY)	10.00
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5.53 min/CY

Loading time, delay time per CY

0.25 min/CY

TIME (minutes) per cubic yard

5.78 min/CY

COST per CY computation

Cost of truck and operator per hour

\$68.88 /hr.

Cost of truck and operator per minute

\$1.15 /min

Cost per CY

\$6.65 /CY

Spread and compact Water truck, Grader & Roller

\$1.50 /CY

Size	Cost/Yd (Pit)	Cost Delivered w/o processing	Cost Delivered with processing
1½" - 0"	\$ 12.15	\$18.80	\$20.30
3" - 0"	\$ 11.81	\$18.46	\$19.96
Jaw Run	\$ 10.46	\$17.11	\$18.61
Pit-Run	\$ 9.45	\$16.10	\$17.60

SALE NAME:	SOHO	DATE:	Jun 22, 2021
ROAD NAME:	Bonner Creek Road	CLASS:	Medium
ROCK SOURCE	Wild Rose		10 CY truck
Route:	Hwy 223, Luckiamute Rd., Hoskins Rd., Bonner Creek Rd.		

Road speed time factors:

1.	55 MPH		MRT	0.0 minutes
2.	50 MPH	14.7	MRT	17.6 minutes
3.	45 MPH		MRT	0.0 minutes
4.	40 MPH		MRT	0.0 minutes
5.	35 MPH	3.5	MRT	6.0 minutes
6.	30 MPH		MRT	0.0 minutes
7.	25 MPH	2.0	MRT	4.8 minutes
8.	20 MPH		MRT	0.0 minutes
9.	15 MPH	4.7	MRT	18.8 minutes
10.	10 MPH		MRT	0.0 minutes
11.	05 MPH		MRT	0.0 minutes

Total hauling cycle time for this setting
(100% efficiency) 47.70 minutes

Job efficiency correction	0.90	62.36 minutes
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TIME (minutes) per cubic yard 6.49 min/CY

Cost of truck and operator per minute	\$1.15 /min
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Spread and compact	Water truck, Grader & Roller	\$1.50 /CY
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Size	Cost/Yd (Pit)	Cost Delivered w/o processing	Cost Delivered with processing
1½ - 0"	\$ 11.48	\$18.94	\$20.44
3 - 0"	\$ 10.13	\$17.59	\$19.09
Jaw Run	\$ 9.11	\$16.57	\$18.07
Pit-Run	\$ 7.76	\$15.22	\$16.72

TIMBER CRUISE REPORT

Old Fort Combo (WO-341-2022-W00904-01) FY 2022

1. **Sale Area Location:** Portions of Section 30, T10S, R6W and Portions of Section 25 & 36 T10S, R7W, W.M., Benton County, Oregon.
2. **Fund Distribution:**
 - a. **Fund** BOF 100%
3. **Sale Acreage by Area:**

Unit	Treatment	Gross Acres	Stream Buffers	Existing Roads	Slope Buffers	Net Sale Acres	Acreage Comp. Method
1	Modified Clearcut	52	1	3	6	42	GIS
2	Partial Cut	18	2	<1	0	16	GIS
3	Partial Cut	38	2	<1	0	36	GIS

4. **Cruisers and Cruise Dates:** The sale was cruised by David Bailey and Zane Sandborg May 2021.
5. **Cruise Method and Computation:** The sale consists one modified clearcut and two thinning units that were cruised using variable radius plot sampling. Sale Unit 1 was cruised on a 4 x 5 chain grid, using a 33.61 BAF. Unit 2 and 3 were cruised on a 4 x 4 chain grid using a using a 20 BAF. A total of 55 plots were taken with 26 measure plots and 29 count plots.
6. Measure plots were measured for DBH, height, form factor, grade, and defect. Data was entered into the Atterbury SuperACE cruise program to determine stand statistics and net board foot volume. Additional volume was removed to account for hidden defect and breakage.

Digital ortho photos, Lidar data, and GPS data were used to map the boundaries for the sale, and ArcMap GIS was used to determine gross and net acreage.
7. **Measurement Standards:** Tree heights were measured to the nearest foot, to a top diameter of 6 inches inside bark or to 40% of form factor. Diameters at breast height (DBH) were measured to the nearest inch, and a form point of 16 feet was used to calculate form factor. Form factors were measured or estimated on every tree. Most trees were graded in 40 foot log segments unless breakage, defect, or length to top of grade cruise diameter warranted otherwise.
8. **Timber Description:** Timber in the sale area includes 94 net acres of 32 year-old plantation Douglas-fir. The average Douglas-fir to be removed in all units is approximately 11 inches DBH, with an average height of 43 feet to a merchantable top. The average volume per acre to be harvested (net) in Unit 1, 2 and 3 is approximately 21.3 MBF, 4.7 MBF and 7.1 MBF, respectively. Volume for corridors was added for Units 2 and 3. Conifer trees other than Douglas-fir are reserved on all Units. Hardwoods are reserved from cutting in Units 2 and 3, unless present in yarding corridors.

9. Statistical Analysis and Stand Summary: (See attached "Statistics").

Unit	Target CV	Target SE	Actual CV	Actual SE
1	45%	11%	35.7%	7.6%
2	45%	11%	17.5%	5.3%
3	45%	11%	32.5%	7.5%

Note: Percentages are for net board foot volume.

10. Total Volume (MBF) by Species and Grade: (See attached volume report "Species, Sort Grade – Board Foot Volumes - Project").

Unit	Species	Gross Cruise Volume	Corridor Removal Volume	Cruised D & B	Cruised D & B (MBF)	Hidden D & B	Hidden D & B (MBF)	Net Sale Volume
1	DF	921	0	1.6%	(15)	1%	(9)	897
1	BM	4	0	0%	(0)	1%	(0)	4
2	DF	75	12	0%	(0)	1%	(1)	86
3	DF	260	37	1.1%	(3)	1%	(3)	291
Total	--	1260	49	--	(18)	--	(13)	1278

Unit	Ave. DBH	Species	Net Vol.	3-Saw	4-Saw	Camp Run
1	12	DF	Grade %	84%	16%	--
			897	753	144	--
1	11	BM	Grade %	--	--	100%
			4	--	--	4
2	11	DF	Grade%	76%	24%	--
			86	65	21	--
3	11	DF	Grade%	81%	19%	--
			291	236	55	--
Total all Units			Grade %	74%	16%	--
			1278	1054	220	4

Attachments: Cruise Design
Cruise Maps
Species, Sort Grade – Board Foot Volumes
Statistics
Stand Table Summary
Log Stock Table – MBF

Prepared by: _____

Date: _____

Unit Forester: _____

Evelyn Hukari

Date: _____

CRUISE DESIGN WEST OREGON DISTRICT

Sale Name: Old Fort Combo Area 1

Harvest Type: MCC

Approx. Cruise Acres: 51 Estimated CV% 45 Net BF /Acre SE% Objective 11 Net BF /Acre

Planned Sale Volume: 969 MBF Estimated Sale Area Value/Acre: \$ 6,175

- A. **Cruise Goals:** (a) Grade minimum 98 conifer and 5 hardwood trees:
(b) Sample 27 cruise plots (14 grade: 13 count); (c) Other goals X Determine log grades for sale value.

(Special cruising directions – leave trees etc.) Take plots as shown on map. Do not take plots in buffers.

DO NOT RECORD 12', 22' and 32' (for Hardwoods).

DO NOT RECORD 22' LENGTHS.

B. Cruise Design:

1. **Plot Cruises:** BAF 20 Full point
Cruise Line Direction(s) 90/270
Cruise Line Spacing 5/330 (chains) (feet)
Cruise Plot Spacing 4/264 (chains) (feet)
Grade/Count Ratio 1:1

C. Tree Measurements:

- Diameter:** Minimum DBH to cruise is 8" for conifers and 10" for hardwoods.
Record dbh to nearest $\frac{1}{2}$ " for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.
- Bole Length:** Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.
- Top Cruise Diameter (TCD):** Minimum top outside bark for conifer is 7", 7" for hardwoods or 40 % of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.
- Form Factors:** (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.
- Tree Segments:** Record log segments in "standard" log lengths in general use, such as 32' and 40' lengths, whenever possible. Do not record odd segments just to maximize grade. Cull segments can be any length. For conifers, minimum merchantable segment length is 12'; for

hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each merch. log segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree.

6. **Species, Sort, and Grade Codes:** A. Species: Record as DF (Douglas-fir); WH (Western hemlock); SS (Sitka Spruce); RC (Western red cedar); NF (Noble fir); SF (Silver fir); RA (Red alder); BM (Bigleaf maple). For "leave trees" in partial cuts, or for marked "wildlife trees," add an "L" to the species code (such as DFL, HL, CL, etc.)
B. Sort: Use code "1" (Domestic).
C. Grade: A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; K = Camp Run; 0 = Cull;
Hardwoods: K = Camprun; #1 Sawmill = 12"+ scaling diameter; #2 Sawmill = 10" and 11"; #3 Sawmill = 8" and 9"; #4 Sawmill = 6" and 7"
7. **Deductions:** Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.
8. **Standard Field Procedures:** Plot Type Cruises: Mark cruise line beginning points with red flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie red flagging above eye level near plot center and another red flagging around a sturdy wooden stake marking plot center. On red flagging, write the plot identification number. On "measure/grade" plots write the tree number and/or tree diameter on all measured trees (clockwise from the line direction) in yellow paint. Mark leave trees with an L for leave.
ITS and 100% Cruises: Mark cruise "strips" with various colored flagging (not pink). Mark trees measured and graded with yellow paint.
9. **Cruising Equipment:** Relaskop, Rangefinder or Lazer, Logger's Tape (with dbh on back), Biltmore Stick, Compass, Cruise Cards or Data Recorder, Cruise Design, Cruise Map, Yellow Flagging, Blue Flagging, Yellow Paint.
10. **Attachments:** A. Cruise Map (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by: David Bailey

Approved by: _____

Date: _____

CRUISE DESIGN WEST OREGON DISTRICT

Sale Name: Old Fort Combo Area 2&3

Harvest Type: PC

Approx. Cruise Acres: 47 Estimated CV% 45 Net BF /Acre SE% Objective 11 Net BF /Acre

Planned Sale Volume: 282 MBF Estimated Sale Area Value/Acre: \$ 1,950

- A. **Cruise Goals:** (a) Grade minimum 98 conifer and 2 hardwood trees:
(b) Sample 30 cruise plots (14 grade: 16 count); (c) Other goals X Determine log grades for sale value; X Determine take and leave tree species and sizes.

(Special cruising directions – leave trees etc.) Take plots as shown on map. Do not take plots in buffers.

DO NOT RECORD 12', 22' and 32' (for Hardwoods).

DO NOT RECORD 22' LENGTHS.

B. Cruise Design:

1. **Plot Cruises:** BAF 20 Full point
Cruise Line Directions 90/270
Cruise Line Spacing 4/264 (chains) (feet)
Cruise Plot Spacing 4/264 (chains) (feet)
Grade/Count Ratio 1:1

C. Tree Measurements:

- Diameter:** Minimum DBH to cruise is 8" for conifers and 10" for hardwoods. Record dbh to nearest $\frac{1}{2}$ " for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.
- Bole Length:** Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.
- Top Cruise Diameter (TCD):** Minimum top outside bark for conifer is 7", 7" for hardwoods or 40 % of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.
- Form Factors:** (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.
- Tree Segments:** Record log segments in "standard" log lengths in general use, such as 32' and 40' lengths, whenever possible. Do not record odd segments just to maximize grade. Cull segments can be any length. For conifers, minimum merchantable segment length is 12'; for

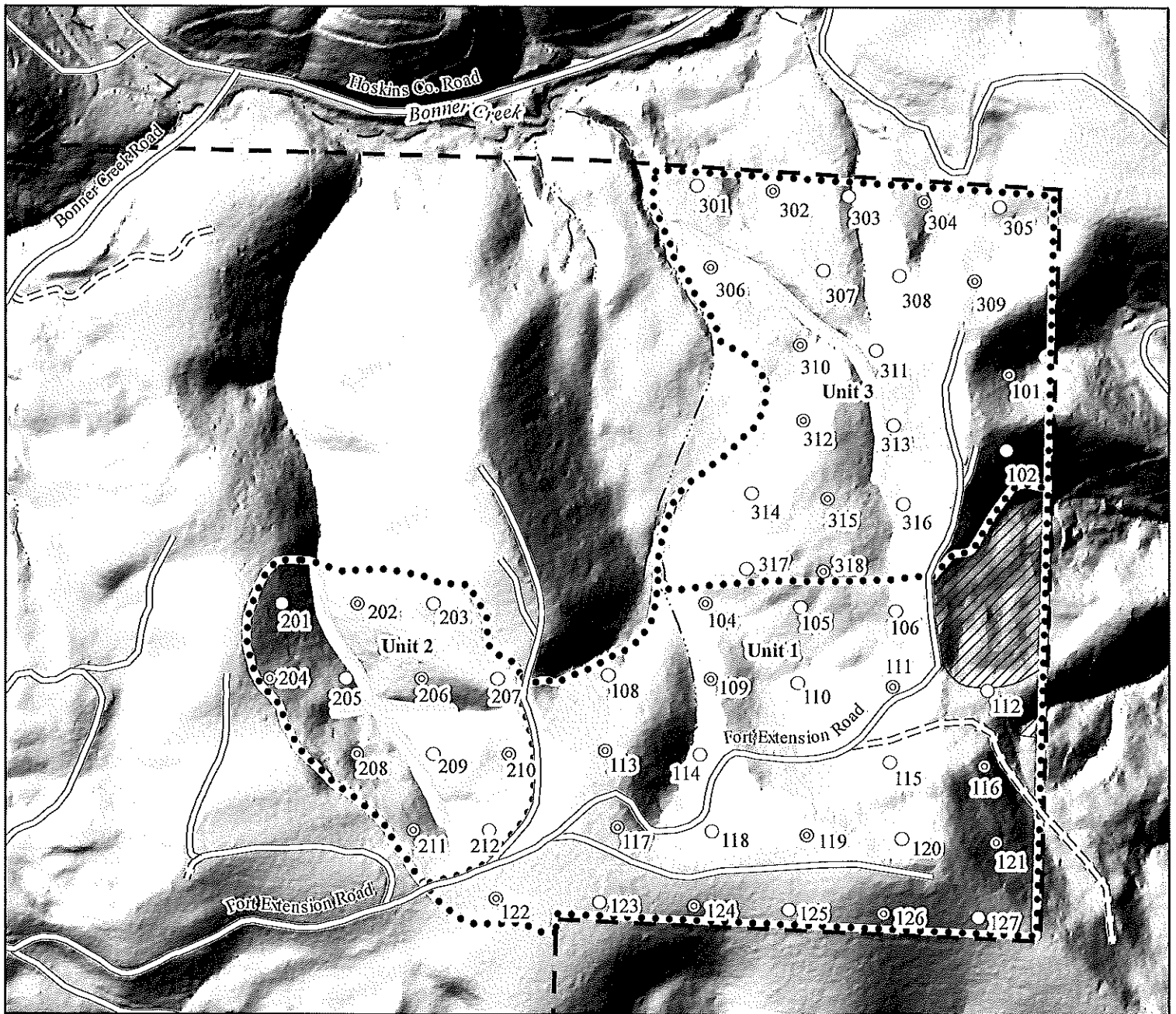
hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each merch. log segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree.

- 6. Species, Sort, and Grade Codes:** A. Species: Record as DF (Douglas-fir); WH (Western hemlock); SS (Sitka Spruce); RC (Western red cedar); NF (Noble fir); SF (Silver fir); RA (Red alder); BM (Bigleaf maple). For "leave trees" in partial cuts, or for marked "wildlife trees," add an "L" to the species code (such as DFL, HL, CL, etc.)
B. Sort: Use code "1" (Domestic).
C. Grade: A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; K = Camp Run; 0 = Cull ;
Hardwoods: K = Camprun; #1 Sawmill = 12"+ scaling diameter; #2 Sawmill = 10" and 11"; #3 Sawmill = 8" and 9"; #4 Sawmill = 6" and 7"
- 7. Deductions:** Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.
- 8. Standard Field Procedures:** Plot Type Cruises: Mark cruise line beginning points with red flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie red flagging above eye level near plot center and another red flagging around a sturdy wooden stake marking plot center. On red flagging, write the plot identification number. On "measure/grade" plots write the tree number and/or tree diameter on all measured trees (clockwise from the line direction) in yellow paint. Mark leave trees with an L for leave. ITS and 100% Cruises: Mark cruise "strips" with various colored flagging (not pink). Mark trees measured and graded with yellow paint.
- 9. Cruising Equipment:** Relaskop, Rangefinder or Lazer, Logger's Tape (with dbh on back), Biltmore Stick, Compass, Cruise Cards or Data Recorder, Cruise Design, Cruise Map, Yellow Flagging, Blue Flagging, Yellow Paint.
- 10. Attachments:** A. Cruise Map (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by: David Bailey

Approved by: _____

Date: _____



Legend

— State Forest Property Boundary

Roads

== Surfaced Road

== Unsurfaced Road

Streams

— Type F Stream

... Type N Stream

Cruise Plot

⊙ Measure

○ Count

OLD FORT COMBO

PORTIONS OF SECTION 30, T10S, R06W, &
PORTIONS OF SECTION 25, T10S, R7W, W.M.,
BENTON COUNTY, OREGON

This product is for informational use and may not have
been prepared for or be suitable for legal, engineering or
survey purposes. Users of this information should
review or consult the primary data and information
sources to ascertain the usability of this information.

Scale

1:6,000



Unit 1 (MC) BAF: 33.61
Spacing 4 x 5 Chains (264' x 330')
Bearing 90/270

Unit 2 and 3 (PC) BAF: 20
Spacing 4 x 4 Chains (264' x 264')
Bearing 90/270 Rx: 120



Date: 06/10/2021

TC TSTATS				STATISTICS				PAGE 1			
				PROJECT OLD FORT		DATE 6/7/2021					
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
10S	06W	30	A1-BT	00MC	42.00	23	146	S	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
TOTAL		23	146	6.3							
CRUISE		11	58	5.3	12,070		.5				
DBH COUNT											
REFOREST											
COUNT		12	88	7.3							
BLANKS											
100 %											
STAND SUMMARY											
		SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
		TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR		54	276.2	11.7	48	60.3	206.0	21,676	21,327	5,315	5,315
DOUG FIR-B		2	3.6	12.2	50	0.8	2.9	283	283	79	79
SN		1	5.4	10.0	45	0.9	2.9				
BL MAPLE		1	2.2	11.0	23	0.4	1.5	89	89	20	20
TOTAL		58	287.4	11.7	48	62.5	213.4	22,048	21,699	5,414	5,414
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	42.5	5.8	83	88	93						
DOUG FIR-B	41.6	38.9	52	85	118						
SN											
BL MAPLE											
TOTAL	45.1	5.9	81	86	91		81	20	9		
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	45.2	6.2	21	22	24						
DOUG FIR-B	55.2	51.7	12	24	37						
SN											
BL MAPLE											
TOTAL	48.1	6.3	21	22	23		92	23	10		
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	37.8	8.0	254	276	298						
DOUG FIR-B	341.3	72.7	1	4	6						
SN	331.3	70.6	2	5	9						
BL MAPLE	479.6	102.2		2	4						
TOTAL	39.3	8.4	263	287	311		64	16	7		
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	34.9	7.4	191	206	221						
DOUG FIR-B	331.3	70.6	1	3	5						
SN	331.3	70.6	1	3	5						
BL MAPLE	479.6	102.2		1	3						
TOTAL	34.8	7.4	198	213	229		50	13	6		
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	36.0	7.7	19,690	21,327	22,963						
DOUG FIR-B	332.0	70.7	83	283	484						
SN											
BL MAPLE	479.6	102.2		89	179						
TOTAL	35.9	7.6	20,041	21,699	23,356		54	13	6		

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page 1								
		Project: OLD FORT										Date 6/7/2021								
												Time 4:20:43PM								
T10S R06W S30 T00MC										T10S R06W S30 T00MC										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt											
10S	06W	30	A1-BT	00MC	42.00	23	58	S	W											
S So Gr Spp T rt ad		% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log		Logs Per /Acre			
							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 OG 3M		84	1.4	18,318	18,055	758	100					1	3	96		38	7	73	0.48	248.0
DF OG 4M		16	2.6	3,358	3,272	137	100					74	16	11		19	6	23	0.27	145.3
DF Totals		98	1.6	21,676	21,327	895	100					12	2	4	81	31	7	54	0.43	393.3
DF B OG 3M		90		256	256	11	100							100		40	7	71	0.50	3.6
DF B OG 4M		10		27	27	1	100					100				20	6	20	0.27	1.4
DF B Totals		1		283	283	12	100					10		90		34	7	57	0.46	4.9
BM OG K		100		89	89	4	100					100				20	8	40	0.45	2.2
BM Totals		0		89	89	4	100					100				20	8	40	0.45	2.2
Type Totals			1.6	22,048	21,699	911	100					12	2	4	81	31	7	54	0.43	400.5

TC P5PCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																					
T10S R06W S30 Ty00MC 42.00				Project: OLD FORT										Page 1									
				Acres 42.00										Date 6/7/2021									
														Time 4:20:43PM									
Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def% Gross Net			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		OG3M		84	1.4	18,318	18,055	758	100				1		3	96	38	7	73	0.48	248.0		
DF		OG4M		16	2.6	3,358	3,272	137	100				74	16	11		19	6	23	0.27	145.3		
DF Totals				98	1.6	21,676	21,327	896	100				12	2	4	81	31	7	54	0.43	393.3		
DF	B	OG3M		90		256	256	11	100				100				40	7	71	0.50	3.6		
DF	B	OG4M		10		27	27	1	100				100				20	6	20	0.27	1.4		
DF Totals				1		283	283	12	100				10				34	7	57	0.46	4.9		
BM		OGK		100		89	89	4	100				100				20	8	40	0.45	2.2		
BM Totals				0		89	89	4	100				100				20	8	40	0.45	2.2		
Totals					1.6	22,048	21,699	911	100				12	2	4	81	31	7	54	0.43	400.5		

TC TSTATS				STATISTICS				PAGE	2
				PROJECT		OLD FORT		DATE	6/7/2021
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	06W	30	A1-BT	00MC	42.00	23	146	S	W
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
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		35.8	7.6	4,910	5,315	5,720			
DOUG FIR-B		336.5	71.7	22	79	136			
SN									
BL MAPLE		479.6	102.2		20	40			
TOTAL		35.7	7.6	5,002	5,414	5,825	53	13	6

TC TSTNDSUM				Stand Table Summary												
Project OLD FORT																
T10S R06W S30 T00MC													T10S R06W S30 T00MC			
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	1			Date:	06/07/201			
10S	06W	30	A1-BT	00MC	42.00	23	58	Time:	4:20:44PM							
S Spec	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
DF		8	1	87	50	10.931	3.82	10.93	4.6	20.0	1.44	51	219	61	21	9
DF		9	4	84	65	34.547	15.26	34.55	7.9	35.0	7.78	273	1,209	327	115	51
DF		10	8	85	84	55.967	30.53	55.97	12.9	58.7	20.52	720	3,288	862	302	138
DF		11	6	85	97	34.690	22.89	57.82	10.9	47.0	18.00	632	2,717	756	265	114
DF		12	13	86	85	63.157	49.60	87.45	14.1	55.0	35.25	1,237	4,810	1,480	519	202
DF		13	8	85	89	33.116	30.53	62.09	14.1	53.3	24.91	874	3,312	1,046	367	139
DF		14	5	86	88	17.846	19.08	35.69	15.5	60.0	15.72	552	2,142	660	232	90
DF		15	6	86	82	18.656	22.89	34.20	18.8	69.1	18.37	645	2,363	771	271	99
DF		16	1	86	94	2.733	3.82	5.47	22.5	90.0	3.51	123	492	148	52	21
DF		17	1	86	75	2.421	3.82	4.84	21.4	80.0	2.95	104	387	124	44	16
DF		18	1	86	82	2.159	3.82	4.32	24.5	90.0	3.01	106	389	126	44	16
DF		Totals	54	85	83	276.223	206.04	393.32	13.5	54.2	151.47	5,315	21,327	6,362	2,232	896
DF	B	11	1	86	83	2.214	1.46	2.21	14.8	60.0	.94	33	133	39	14	6
DF	B	14	1	85	63	1.367	1.46	2.73	16.9	55.0	1.32	46	150	55	19	6
DF		Totals	2	86	75	3.581	2.92	4.95	16.0	57.2	2.25	79	283	95	33	12
BM		11	1	86	39	2.214	1.46	2.21	8.9	40.0	.52	20	89	22	8	4
BM		Totals	1	86	39	2.214	1.46	2.21	8.9	40.0	0.52	20	89	22	8	4
SN		10	1	86	45	5.359	2.92									
SN		Totals	1	86	45	5.359	2.92									
Totals			58	85	82	287.377	213.35	400.49	13.5	54.2	154.25	5414	21,699	6,478	2,274	911

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		6/7/2021	
T10S R06W S30 Ty00MC					42.00					Project					OLD FORT					Time:		4:20:44PM			
										Acres					42.00					Grown Year:					
S Sp	T	Sample		Tot					Average Log		Net		Net		Totals										
		DBH	Trees	FF	Av	Trees/	BA/	Logs	Net	Net	Tons/	Cu.Ft.	Bd.Ft.	Tons	Cunits	MBF									
				16'	Ht	Acre	Acre	Acre	Cu.Ft.	Bd.Ft.	Acre	Cu.Ft.	Acre												
DF		8	1	87	50	10.931	3.82	10.93	4.6	20.0	1.44	51	219	61	21	9									
DF		9	4	84	65	34.547	15.26	34.55	7.9	35.0	7.78	273	1,209	327	115	51									
DF		10	8	85	84	55.967	30.53	55.97	12.9	58.7	20.52	720	3,288	862	302	138									
DF		11	6	85	97	34.690	22.89	57.82	10.9	47.0	18.00	632	2,717	756	265	114									
DF		12	13	86	85	63.157	49.60	87.45	14.1	55.0	35.25	1,237	4,810	1,480	519	202									
DF		13	8	85	89	33.116	30.53	62.09	14.1	53.3	24.91	874	3,312	1,046	367	139									
DF		14	5	86	88	17.846	19.08	35.69	15.5	60.0	15.72	552	2,142	660	232	90									
DF		15	6	86	82	18.656	22.89	34.20	18.8	69.1	18.37	645	2,363	771	271	99									
DF		16	1	86	94	2.733	3.82	5.47	22.5	90.0	3.51	123	492	148	52	21									
DF		17	1	86	75	2.421	3.82	4.84	21.4	80.0	2.95	104	387	124	44	16									
DF		18	1	86	82	2.159	3.82	4.32	24.5	90.0	3.01	106	389	126	44	16									
DF		Totals	54	85	83	276.223	206.04	393.32	13.5	54.2	151.47	5,315	21,327	6,362	2,232	896									
DF B		11	1	86	83	2.214	1.46	2.21	14.8	60.0	.94	33	133	39	14	6									
DF B		14	1	85	63	1.367	1.46	2.73	16.9	55.0	1.32	46	150	55	19	6									
DF B		Totals	2	86	75	3.581	2.92	4.95	16.0	57.2	2.25	79	283	95	33	12									
BM		11	1	86	39	2.214	1.46	2.21	8.9	40.0	.52	20	89	22	8	4									
BM		Totals	1	86	39	2.214	1.46	2.21	8.9	40.0	.52	20	89	22	8	4									
SN		10	1	86	45	5.359	2.92																		
SN		Totals	1	86	45	5.359	2.92																		
Totals		58	85	82		287.377	213.35	400.49	13.5	54.2	154.25	5,414	21,699	6,478	2,274	911									

Log Stock Table - MBF

T10S R06W S30 Ty00MC 42.00

Project: OLD FORT
Acres 42.00Page 1
Date 6/7/2021
Time 4:20:42PM

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+
DF		OG 3M	20	7		7	.8			7									
DF		OG 3M	32	12		12	1.4				12								
DF		OG 3M	34	10		10	1.2				10								
DF		OG 3M	36	52	5.7	49	5.4			49									
DF		OG 3M	38	120	3.5	116	12.9			71	31	14							
DF		OG 3M	40	568		564	63.0			321	212	31							
DF		OG 4M	14	17		17	1.9			17									
DF		OG 4M	16	54		54	6.1			54									
DF		OG 4M	18	14		14	1.5			14									
DF		OG 4M	20	16		16	1.8			16									
DF		OG 4M	24	13		13	1.4			13									
DF		OG 4M	26	3		3	.4			3									
DF		OG 4M	28	5		5	.6			5									
DF		OG 4M	32	18	20.0	15	1.6			15									
DF		Totals		910	1.6	896	98.3			585	266	45							
DF	B	OG 3M	40	11		11	90.3			6	5								
DF	B	OG 4M	20	1		1	9.7			1									
DF		Totals		12		12	1.3			7	5								
BM		OG K	20	4		4	100.0				4								
BM		Totals		4		4	.4				4								
Total		All Species		926	1.6	911	100.0			592	274	45							

TC TLOGSTVB

Log Stock Table - MBF

Project: OLD FORT

T10S R06W S30 T00MC

T10S R06W S30 T00M

Twp Rge Sec Tract Type Acres Plots Sample Trees
 10S 06W 30 A1-BT 00MC 42.00 23 58

Page 1
 Date 6/7/2021
 Time 4:20:42PM

S Spp	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+
DF	OG	3M	20	7		7	.8			7									
DF	OG	3M	32	12		12	1.3				12								
DF	OG	3M	34	10		10	1.2				10								
DF	OG	3M	36	52	5.7	49	5.4			49									
DF	OG	3M	38	120	3.5	116	12.7			71	31	14							
DF	OG	3M	40	568	.7	564	62.1			321	212	31							
DF	OG	4M	14	17		17	1.9			17									
DF	OG	4M	16	54		54	6.0			54									
DF	OG	4M	18	14		14	1.5			14									
DF	OG	4M	20	16		16	1.7			16									
DF	OG	4M	24	13		13	1.4			13									
DF	OG	4M	26	3		3	.4			3									
DF	OG	4M	28	5		5	.6			5									
DF	OG	4M	32	18	20.0	15	1.6			15									
DF	B	OG	3M	11		11	1.2			6	5								
DF	B	OG	4M	1		1	.1			1									
DF	Totals			922	1.6	908	99.6			592	271	45							
BM	OG	K	20	4		4	100.0				4								
BM	Totals			4		4	.4				4								
Total All Species				926	1.6	911	100.0			592	274	45							

TC TREESEGR				TREE SEGMENT VOLUMES												Page		1					
				Project: OLD FORT												Date		6/7/2021					
TWP	RGE	SC	TRACT	TYPE				ACRES			PLOTS		TREES		CRUISED DATE		CuFt	BdFt					
10S	06W	30	A1-BT	00MC				42.00			23		58		5/1/2021		S	W					
Tree			C	T			Bole Tot.			S			Dia		Dia		Gross	Net	Gross	Net			
Plot	No.	PF A	Spc S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt	
0104	0001	B21 DF		1	11.0	4	86	G	53	105		113	38	3	.920	.505	10.96	7.42	15	15	70	60	
					BA = 33.61				T/A = 50.928				214	14		.920	.505	7.42	6.36	3	3	20	20
																			19	19	90	80	
	0002	B21 DF		1	10.0	4	85	G	47	94		113	40	1	.920	.505	10.07	6.74	15	15	60	60	
					BA = 33.61				T/A = 61.623										15	15	60	60	
	0003	B21 DF		1	12.0	4	86	G	61	107		113	40		.920	.505	11.97	8.01	20	20	90	90	
					BA = 33.61				T/A = 42.794				214	20		.920	.505	8.01	6.35	5	5	20	20
																			26	26	110	110	
	0004	B21 DF		1	10.0	4	85	G	37	74		113	36	2	.920	.505	9.98	6.44	11	11	60	50	
					BA = 33.61				T/A = 61.623										11	11	60	50	
	0005	B21 DF		1	16.0	4	86	G	68	94		113	40		.920	.505	15.90	10.29	35	35	150	150	
					BA = 33.61				T/A = 24.071				214	26		.920	.505	10.29	6.44	10	10	30	30
																			45	45	180	180	
	0006	B21 DF		1	13.0	4	87	G	69	111		113	40	1	.920	.505	12.88	8.85	23	23	90	90	
					BA = 33.61				T/A = 36.463				214	28	1	.920	.505	8.85	6.34	8	8	30	30
																			30	30	120	120	
	0007	B21 DF	B	1	14.0	4	85	G	61	63		113	40		.920	.505	14.01	8.84	28	28	90	90	
					BA = 33.61				T/A = 31.440				214	20		.920	.505	8.84	6.30	5	5	20	20
																			34	34	110	110	
PLOT					BA = 235.27				T/A = 308.942										6,925	6,925	28,852	27,727	
0105	0001	B21 DF		9	11.7	4	86	G	48	2		1xx	32						19	19	78	77	
		Count			BA = 302.49				T/A = 405.519										19	19	78	77	
PLOT					BA = 302.49				T/A = 405.519										7,803	7,803	31,822	31,310	
0106	0001	B21 DF		9	11.7	4	86	G	48	2		1xx	32						19	19	78	77	
		Count			BA = 302.49				T/A = 405.519										19	19	78	77	
PLOT					BA = 302.49				T/A = 405.519										7,803	7,803	31,822	31,310	
0108	0001	B21 DF		4	11.7	4	86	G	48	2		1xx	32						19	19	78	77	
		Count			BA = 134.44				T/A = 180.230										19	19	78	77	
PLOT					BA = 134.44				T/A = 180.230										3,468	3,468	14,143	13,915	
0109	0001	B21 BM		1	11.0	4	87	H	23	39		11K	20	1	.953	.545	10.94	8.11	9	9	40	40	
					BA = 33.61				T/A = 50.928										9	9	40	40	
	0002	B21 DF		1	11.0	4	86	G	56	112		113	40	1	.920	.505	10.98	7.42	16	16	70	70	
					BA = 33.61				T/A = 50.928				214	16		.920	.505	7.42	6.29	4	4	20	20
																			20	20	90	90	
	0003	B21 DF		1	9.0	4	85	G	38	76		113	20	2	.920	.505	9.09	6.89	6	6	20	20	
					BA = 33.61				T/A = 76.078				214	18	2	.920	.505	6.89	6.26	4	4	20	20
																			10	10	40	40	
	0004	B21 DF		1	10.0	4	86	G	44	88		113	40		.920	.505	9.97	6.62	13	13	60	60	
					BA = 33.61				T/A = 61.623										13	13	60	60	
	0005	B21 DF		1	9.0	4	86	0	50	50					.920	.505							
					BA = 33.61				T/A = 76.078														
	0006	B21 DF		1	11.0	4	87	G	55	107		113	40		.920	.505	10.89	7.42	16	16	70	70	
					BA = 33.61				T/A = 50.928				214	16		.920	.505	7.42	6.20	4	4	20	20
																			20	20	90	90	
PLOT					BA = 201.66				T/A = 366.562										4,030	4,030	17,945	17,945	
0110	0001	B21 DF		7	11.7	4	86	G	48	2		1xx	32						19	19	78	77	
		Count			BA = 235.27				T/A = 315.403										19	19	78	77	
PLOT					BA = 235.27				T/A = 315.403										6,069	6,069	24,750	24,352	
0111	0001	B21 DF		1	14.0	4	87	G	63	94		113	38		.920	.505	13.81	9.30	26	26	110	110	
					BA = 33.61				T/A = 31.440				214	24		.920	.505	9.30	6.29	8	8	30	30

Project: OLD FORT

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt													
10S	06W	30	A1-BT	00MC	42.00	23	58	5/1/2021	S	W													
Tree	C	T	Bole Tot.	S			Dia	Dia	Gross	Net	Gross	Net											
Plot No.	PF	A	Spe	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt
0111	0002	B21	DF		1	10.0	4	86	G	45	90		113	40	3	.920	.505	9.97	6.68	34 13	34 13	140 60	140 60
						BA = 33.61				T/A = 61.623													
	0003	B21	DF		1	11.0	4	86	G	51	100		113	38		.920	.505	10.95	7.34	15	15	70	70
						BA = 33.61				T/A = 50.928			214	14		.920	.505	7.34	6.19	3	3	20	20
																				19	19	90	90
	0004	B21	SN		1	10.0	4	86	0	45	45					.944	.532						
						BA = 33.61				T/A = 61.623													
	0005	B21	DF		1	9.0	4	86	G	35	70		113	36		.920	.505	9.00	6.33	11	11	60	60
						BA = 33.61				T/A = 76.078										11	11	60	60
	0006	B21	DF		1	10.0	4	86	G	40	80		113	40		.920	.505	9.93	6.37	13	13	60	60
						BA = 33.61				T/A = 61.623										13	13	60	60
PLOT						BA = 201.66				T/A = 343.314										4,454	4,454	20,945	20,945
0112	0001	B21	DF		9	11.7	4	86	G	48	2		1xx	32						19	19	78	77
			Count			BA = 302.49				T/A = 405.519										19	19	78	77
PLOT						BA = 302.49				T/A = 405.519										7,803	7,803	31,822	31,310
0113	0001	B21	DF		1	13.0	4	87	G	57	89		113	40		.920	.505	12.80	8.31	23	23	90	90
						BA = 33.61				T/A = 36.463			214	16		.920	.505	8.31	6.30	4	4	20	20
																				27	27	110	110
	0002	B21	DF		1	15.0	4	86	G	65	93		113	40	2	.920	.505	14.90	9.61	30	30	120	110
						BA = 33.61				T/A = 27.388			214	24		.920	.505	9.61	6.28	8	8	30	30
																				38	38	150	140
	0003	B21	DF		1	10.0	4	86	G	42	84		113	40		.920	.505	9.95	6.51	13	13	60	60
						BA = 33.61				T/A = 61.623										13	13	60	60
	0004	B21	DF		1	13.0	4	85	G	50	79		113	32		.920	.505	12.93	8.60	18	18	70	70
						BA = 33.61				T/A = 36.463			200	3		.920	.505	8.60	8.27				
													314	14		.920	.505	8.27	6.29	4	4	20	20
																				22	22	90	90
	0005	B21	DF		1	15.0	4	86	G	57	81		113	40	1	.920	.505	14.82	9.07	30	30	120	110
						BA = 33.61				T/A = 27.388			214	16		.920	.505	9.07	6.24	5	5	20	20
																				35	35	140	130
	0006	B21	DF		1	15.0	4	86	G	57	81		113	40	2	.920	.505	14.82	9.07	30	30	120	110
						BA = 33.61				T/A = 27.388			214	16		.920	.505	9.07	6.24	5	5	20	20
																				35	35	140	130
	0007	B21	DF		1	12.0	4	86	G	49	83		113	40		.920	.505	11.87	7.35	19	19	70	70
						BA = 33.61				T/A = 42.794										19	19	70	70
PLOT						BA = 235.27				T/A = 259.507										6,340	6,340	25,762	24,941
0114	0001	B21	DF		6	11.7	4	86	G	48	2		1xx	32						19	19	78	77
			Count			BA = 201.66				T/A = 270.346										19	19	78	77
PLOT						BA = 201.66				T/A = 270.346										5,202	5,202	21,215	20,873
0115	0001	B21	DF		9	11.7	4	86	G	48	2		1xx	32						19	19	78	77
			Count			BA = 302.49				T/A = 405.519										19	19	78	77
	0002	B21	SN		1	10.0	4	86	0	45	45		1xx										
			Count			BA = 33.61				T/A = 61.623													
PLOT						BA = 336.10				T/A = 467.141										7,803	7,803	31,822	31,310
0116	0001	B21	DF		1	12.0	4	86	G	53	91		113	38		.920	.505	11.91	7.81	18	18	70	70
						BA = 33.61				T/A = 42.794			214	14	1	.920	.505	7.81	6.33	3	3	20	20
																				21	21	90	90
	0002	B21	DF		1	14.0	4	85	G	51	75		113	34	2	.920	.505	13.90	8.89	22	22	70	70
						BA = 33.61				T/A = 31.440			214	16	1	.920	.505	8.89	6.25	4	4	20	20
																				26	26	90	90

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt														
10S	06W	30	A1-BT	00MC	42.00	23	58	5/1/2021	S	W														
Tree			C	T	Bole	Tot.	S	Dia	Dia	Gross	Net	Gross	Net											
Plot	No.	PF	A	Spe	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt
0116	0003	B21	DF	1		14.0	4	86	G		64	97		113	40		.920	.505	13.92	9.07	27	27	120	120
						BA = 33.61					T/A = 31.440			214	24		.920	.505	9.07	6.16	8	8	30	30
																					35	35	150	150
	0004	B21	DF	1		12.0	4	86	G		56	97		113	40		.920	.505	11.94	7.79	19	19	70	70
						BA = 33.61					T/A = 42.794			214	16		.920	.505	7.79	6.23	4	4	20	20
																					22	22	90	90
PLOT						BA = 134.44					T/A = 148.468										3,760	3,760	15,248	15,248
0117	0001	B21	DF	1		10.0	4	86	G		39	78		113	40	2	.920	.505	9.91	6.29	13	13	60	60
						BA = 33.61					T/A = 61.623										13	13	60	60
	0002	B21	DF	1		8.0	4	87	G		25	50		114	20	1	.920	.505	7.76	6.06	5	5	20	20
						BA = 33.61					T/A = 96.286										5	5	20	20
	0003	B21	DF	1		13.0	4	86	G		57	91		113	40	1	.920	.505	12.90	8.24	23	23	90	90
						BA = 33.61					T/A = 36.463			214	16		.920	.505	8.24	6.31	4	4	20	20
																					27	27	110	110
	0004	B21	DF	1		13.0	4	85	G		58	93		113	40	1	.920	.505	13.01	8.24	25	25	90	90
						BA = 33.61					T/A = 36.463			214	18	1	.920	.505	8.24	6.19	5	5	20	20
																					30	30	110	110
	0005	B21	DF	B	1	11.0	4	86	G		44	44		113	40		.920	.505	10.88	6.74	15	15	60	60
						BA = 33.61					T/A = 50.928										15	15	60	60
	0006	B21	DF	1		13.0	4	81	G		54	91		113	38	3	.920	.505	13.39	7.96	23	23	70	60
						BA = 33.61					T/A = 36.463			214	16		.920	.505	7.96	6.21	4	4	20	20
																					26	26	90	80
	0007	B21	DF	1		9.0	4	83	G		32	64		114	32	1	.920	.505	9.17	6.14	10	10	50	40
						BA = 33.61					T/A = 76.078										10	10	50	40
	0008	B21	DF	1		15.0	4	86	G		61	87		113	40		.920	.505	14.86	9.37	30	30	120	120
						BA = 33.61					T/A = 27.388			214	20		.920	.505	9.37	6.26	6	6	20	20
																					37	37	140	140
PLOT						BA = 268.88					T/A = 421.691										6,819	6,819	27,621	26,495
0118	0001	B21	DF	4		11.7	4	86	G		48	2		1xx	32						19	19	78	77
			Count			BA = 134.44					T/A = 180.230										19	19	78	77
PLOT						BA = 134.44					T/A = 180.230										3,468	3,468	14,143	13,915
0119	0001	B21	DF	1		12.0	4	86	G		45	75		113	40		.920	.505	11.82	6.98	17	17	60	60
						BA = 33.61					T/A = 42.794										17	17	60	60
	0002	B21	DF	1		12.0	4	86	G		47	79		113	40		.920	.505	11.85	7.18	19	19	70	70
						BA = 33.61					T/A = 42.794										19	19	70	70
	0003	B21	DF	1		11.0	4	83	G		42	84		113	40	1	.920	.505	11.13	6.53	17	17	60	60
						BA = 33.61					T/A = 50.928										17	17	60	60
	0004	B21	DF	1		12.0	4	86	G		53	91		113	36		.920	.505	11.91	7.98	17	17	60	60
						BA = 33.61					T/A = 42.794			214	16		.920	.505	7.98	6.33	4	4	20	20
																					20	20	80	80
	0005	B21	DF	1		12.0	4	86	G		55	95		113	38	1	.920	.505	11.93	7.91	18	18	70	70
						BA = 33.61					T/A = 42.794			214	16		.920	.505	7.91	6.34	4	4	20	20
																					21	21	90	90
	0006	B21	DF	1		12.0	4	86	G		45	75		113	40		.920	.505	11.82	6.98	17	17	60	60
						BA = 33.61					T/A = 42.794										17	17	60	60
PLOT						BA = 201.66					T/A = 264.896										4,917	4,917	18,461	18,461
0120	0001	B21	DF	7		11.7	4	86	G		48	2		1xx	32						19	19	78	77
			Count			BA = 235.27					T/A = 315.403										19	19	78	77
PLOT						BA = 235.27					T/A = 315.403										6,069	6,069	24,750	24,352
0121	0001	B21	DF	1		12.0	4	86	H		42	84		113	40		.920	.505	11.89	7.46	19	19	70	70
						BA = 33.61					T/A = 42.794										19	19	70	70

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt													
10S	06W	30	A1-BT	00MC	42.00	23	58	5/1/2021	S	W													
Tree	C	T	Bole Tot.	S			Dia	Dia	Gross	Net	Gross	Net											
Plot No.	PF	A	Spe	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt	
0121	0002	B21	DF		I	15.0	4	86	I	42	71		113	40	1	.920	.505	14.74	8.46	28	28	90	90
						BA = 33.61				T/A = 27.388									28	28	90	90	
PLOT						BA = 67.22				T/A = 70.182									1,570	1,570	5,460	5,460	
0122	0001	B21	DF		I	11.0	4	87	G	41	74		113	40		.920	.505	10.75	6.44	15	15	60	60
						BA = 33.61				T/A = 50.928									15	15	60	60	
	0002	B21	DF		I	10.0	4	86	G	41	82		113	40		.920	.505	9.94	6.44	13	13	60	60
						BA = 33.61				T/A = 61.623									13	13	60	60	
	0003	B21	DF		I	14.0	4	86	G	59	88		113	40		.920	.505	13.88	8.79	25	25	90	90
						BA = 33.61				T/A = 31.440			214	18		.920	.505	8.79	6.28	5	5	20	20
																			30	30	110	110	
PLOT						BA = 100.83				T/A = 143.991									2,495	2,495	10,211	10,211	
0123	0001	B21	DF		10	11.7	4	86	G	48	2		1xx	32						19	19	78	77
			Count			BA = 336.10				T/A = 450.576									19	19	78	77	
PLOT						BA = 336.10				T/A = 450.576									8,669	8,669	35,358	34,789	
0124	0001	B21	DF		I	18.0	4	86	G	63	82		113	40		.920	.505	17.80	10.95	42	42	150	150
						BA = 33.61				T/A = 19.019			214	16		.920	.505	10.95	7.66	7	7	30	30
																			49	49	180	180	
	0002	B21	DF		I	12.0	4	86	G	47	79		113	40		.920	.505	11.85	7.18	19	19	70	70
						BA = 33.61				T/A = 42.794									19	19	70	70	
	0003	B21	DF		I	15.0	4	86	H	52	81		113	38		.920	.505	14.82	9.34	29	29	110	110
						BA = 33.61				T/A = 27.388			214	16		.920	.505	9.34	6.63	5	5	20	20
																			34	34	130	130	
	0004	B21	DF		I	14.0	4	87	G	57	84		113	40		.920	.505	13.75	8.72	25	25	90	90
						BA = 33.61				T/A = 31.440			214	16		.920	.505	8.72	6.27	4	4	20	20
																			30	30	110	110	
	0005	B21	DF		I	17.0	4	86	G	57	75		113	38		.920	.505	16.75	10.26	37	37	140	140
						BA = 33.61				T/A = 21.323			214	16	2	.920	.505	10.26	6.70	6	6	20	20
																			43	43	160	160	
PLOT						BA = 168.05				T/A = 141.964									4,500	4,500	16,850	16,850	
0125	0001	B21	DF		7	11.7	4	86	G	48	2		1xx	32						19	19	78	77
			Count			BA = 235.27				T/A = 315.403									19	19	78	77	
PLOT						BA = 235.27				T/A = 315.403									6,069	6,069	24,750	24,352	
0126	0001	B21	DF		I	12.0	4	87	G	40	64		113	40		.920	.505	11.63	6.26	17	17	60	60
						BA = 33.61				T/A = 42.794									17	17	60	60	
	0002	B21	DF		I	13.0	4	86	G	45	69		113	40	1	.920	.505	12.75	7.14	21	21	70	70
						BA = 33.61				T/A = 36.463									21	21	70	70	
	0003	B21	DF		I	12.0	4	86	G	47	79		113	40	2	.920	.505	11.85	7.18	19	19	70	70
						BA = 33.61				T/A = 42.794									19	19	70	70	
	0004	B21	DF		I	13.0	4	87	G	56	88		113	40		.920	.505	12.79	8.24	23	23	90	90
						BA = 33.61				T/A = 36.463			214	16		.920	.505	8.24	6.16	4	4	20	20
																			27	27	110	110	
PLOT						BA = 134.44				T/A = 158.514									3,281	3,281	12,127	12,127	
0127	0001	B21	DF		6	11.7	4	86	G	48	2		1xx	32						19	19	78	77
			Count			BA = 201.66				T/A = 270.346									19	19	78	77	
PLOT						BA = 201.66				T/A = 270.346									5,202	5,202	21,215	20,873	
TYPE						BA = 213.35				T/A = 287.377									5,414	5,414	22,048	21,699	

TC TSTNDSUM				Stand Table Summary												
Project OLD FORT																
T10S R06W S30 T00PC													T10S R06W S30 T00PC			
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page: 1								
10S	06W	30	A3-BT	00PC	36.00	20	79	Date: 06/07/201								
								Time: 4:22:10PM								
Spc	S T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net	Net	Totals			
		DBH	Trees	FF Ht 16' Tot				Net Cu.Ft.	Net Bd.Ft.		Tons	Cunits	MBF			
DF	L	10	1	85	92	4.584	2.50	4.58	12.8	60.0	1.67	59	275	60	21	10
DF	L	11	3	85	110	11.364	7.50	22.73	10.4	45.0	6.72	236	1,023	242	85	37
DF	L	12	6	85	100	19.099	15.00	35.01	12.4	49.1	12.35	433	1,719	444	156	62
DF	L	13	11	86	96	29.835	27.50	59.67	13.9	55.9	23.55	826	3,336	848	298	120
DF	L	14	10	86	95	23.386	25.00	46.77	16.5	65.0	21.95	770	3,040	790	277	109
DF	L	15	6	86	93	12.223	15.00	24.45	19.0	75.0	13.25	465	1,833	477	167	66
DF	L	16	3	86	92	5.371	7.50	10.74	22.4	90.0	6.87	241	967	247	87	35
DF	L	17	2	86	85	3.172	5.00	6.34	23.5	82.5	4.25	149	523	153	54	19
DF	L	18	2	86	91	2.829	5.00	5.66	28.8	110.0	4.64	163	622	167	59	22
DF		Totals	44	86	97	111.863	110.00	215.96	15.5	61.8	95.24	3,342	13,339	3,429	1,203	480
DF	T	8	1	86	52	7.422	2.59	7.42	4.6	20.0	.98	34	148	35	12	5
DF	T	9	2	83	77	11.729	5.18	11.73	12.1	60.0	4.05	142	704	146	51	25
DF	T	10	2	86	103	9.501	5.18	14.25	10.9	50.0	4.43	155	713	159	56	26
DF	T	11	4	86	94	15.704	10.36	27.48	10.0	45.7	7.82	274	1,256	282	99	45
DF	T	12	7	85	94	23.092	18.14	42.89	12.0	46.2	14.61	513	1,979	526	185	71
DF	T	13	4	86	97	11.243	10.36	22.49	14.0	55.0	8.97	315	1,237	323	113	45
DF	T	14	1	86	98	2.424	2.59	4.85	17.5	70.0	2.41	85	339	87	30	12
DF	T	15	1	84	84	2.111	2.59	4.22	18.0	65.0	2.16	76	274	78	27	10
DF		Totals	22	85	89	83.226	57.00	135.33	11.8	49.1	45.45	1,595	6,651	1,636	574	239
DF	B	11	1	80	45	1.515	1.00	1.52	17.1	60.0	.74	26	91	27	9	3
DF	B	12	1	86	156	1.273	1.00	2.55	16.9	75.0	1.23	43	191	44	15	7
DF	B	14	1	84	78	.935	1.00	1.87	22.2	100.0	1.19	42	187	43	15	7
DF		Totals	3	83	91	3.724	3.00	5.93	18.6	79.1	3.15	111	469	113	40	17
RA		11	1	87	60	1.515	1.00	1.52	15.4	60.0	.64	23	91	23	8	3
RA		13	1	86	54	1.085	1.00	1.08	18.7	60.0	.56	20	65	20	7	2
RA		Totals	2	87	57	2.600	2.00	2.60	16.8	60.0	1.20	44	156	43	16	6
BM		11	1	87	49	1.515	1.00	1.52	11.1	40.0	.45	17	61	16	6	2
BM		13	1	86	33	1.085	1.00	1.08	12.8	30.0	.37	14	33	13	5	1
BM		Totals	2	87	42	2.600	2.00	2.60	11.8	35.8	0.81	31	93	29	11	3
CH		12	1	86	44	3.820	3.00									
CH		Totals	1	86	44	3.820	3.00									
SN		8	1		17	4.011	1.40									
SN		9	2	86	44	6.338	2.80									
SN		10	1		17	2.567	1.40									
SN		13	1	85	78	1.519	1.40									
SN		Totals	5	86	35	14.434	7.00									
Totals			79	86	88	222.268	184.00	362.42	14.1	57.1	145.85	5121	20,708	5,251	1,844	745

TC TSTATS				STATISTICS				PAGE 1			
				PROJECT OLD FORT		DATE 6/7/2021					
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
10S	07W	25	A2-BT	00PC	16.00	12	116	S	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
PLOTS		TREES									
TOTAL		12	116	9.7							
CRUISE		6	53	8.8	3,980	1.3					
DBH COUNT											
REFOREST											
COUNT		6	63	10.5							
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET	
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC	
DOUG FIR-B		1	2.1	12.0	26	0.5	1.7	85	85	24	24
DOUG FIR-L		34	126.9	13.0	48	32.4	116.7	11,707	11,486	2,972	2,972
DOUG FIR-T		14	98.2	11.0	33	19.6	65.0	4,592	4,592	1,260	1,260
SN		2	15.7	8.8	41	2.2	6.7				
BL MAPLE		2	5.9	10.2	24	1.0	3.3	198	198	53	53
TOTAL		53	248.8	11.9	41	56.0	193.3	16,582	16,360	4,308	4,308
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.			
SD: 1.0		VAR.%	S.E.%	LOW	AVG	HIGH	0				
DOUG FIR-B											
DOUG FIR-L		40.6	7.0	92	99	106					
DOUG FIR-T		45.5	12.6	47	54	61					
SN											
BL MAPLE		20.2	18.9	28	35	42					
TOTAL		55.3	7.6	74	80	86	122	31	14		
CL: 68.1 %		COEFF		SAMPLE TREES - CF				# OF TREES REQ.			
SD: 1.0		VAR.%	S.E.%	LOW	AVG	HIGH	0				
DOUG FIR-B											
DOUG FIR-L		42.1	7.2	24	26	28					
DOUG FIR-T		48.7	13.5	14	16	18					
SN											
BL MAPLE		13.8	12.9	8	9	10					
TOTAL		55.3	7.6	20	22	23	122	30	14		
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-B		346.4	104.3	2		4					
DOUG FIR-L		21.1	6.4	119	127	135					
DOUG FIR-T		61.1	18.4	80	98	116					
SN		195.4	58.8	6	16	25					
BL MAPLE		346.4	104.3	6		12					
TOTAL		25.4	7.7	230	249	268	28	7	3		
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-B		346.4	104.3	2		3					
DOUG FIR-L		9.9	3.0	113	117	120					
DOUG FIR-T		58.9	17.7	53	65	77					
SN		195.4	58.8	3	7	11					
BL MAPLE		346.4	104.3	3		7					
TOTAL		16.1	4.9	184	193	203	11	3	1		

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page		1					
				Project: OLD FORT										Date		6/7/2021					
														Time		4:23:15PM					
T10S R07W S25 T00PC										T10S R07W S25 T00PC											
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt			
10S		07W		25		A2-BT		00PC		16.00		12		53		S		W			
S So Gr Spp T rt ad				% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Dia Bd CF/ Ft In Ft Lf				
DF	L	OG	3M	83	2.3	9,830	9,608	154	100				13 87				38 8	82 0.58	116.9		
DF	L	OG	4M	17		1,877	1,877	30	20	80	75 10 16				17 6	22 0.28	84.8				
DF	L	Totals		70	1.9	11,707	11,486	184	3	97	12 2 13 73				29 7	57 0.50	201.8				
DF	T	OG	3M	76		3,533	3,533	57	100				5 95				39 6	65 0.48	54.6		
DF	T	OG	4M	24		1,058	1,058	17	50	50	76 24				19 5	22 0.26	48.7				
DF	T	Totals		28		4,592	4,592	74.28	12	88	17 6 4 73				29 6	44 0.42	103.3				
DF	B	OG	4M	100		85	85	1	100				100				24 7	40 0.46	2.1		
DF	B	Totals		1		85	85	1	100				100				24 7	40 0.46	2.1		
BM		OG	K	100		198	198	3	100				43 57				24 7	34 0.38	5.9		
BM	Totals			1		198	198	3	100				43 57				24 7	34 0.38	5.9		
Type Totals						1.3	16,582	16,360	262	6 94				14 4 10 72				29 7	52 0.47	313.1	

Species, Sort Grade - Board Foot Volumes (Project)

T10S R07W S25 Ty00PC 16.00

Project: OLD FORT

Page 1

Acres 16.00

Date 6/7/2021

Time 4:23:14PM

S Spp	So T	Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%GrossNet			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	OG3M	83	2.3	9,830	9,608	154	100				1387				38	8	82	0.58	116.9
DF	L	OG4M	17		1,877	1,877	30	20	80			75	10	16		17	6	22	0.28	84.8
DF	Totals		70	1.9	11,707	11,486	184	3	97			12	2	13	73	29	7	57	0.50	201.8
DF	T	OG3M	76		3,533	3,533	57	100				595				39	6	65	0.48	54.6
DF	T	OG4M	24		1,058	1,058	17	50	50			76	24			19	5	22	0.26	48.7
DF	Totals		28		4,592	4,592	73	12	88			17	6	4	73	29	6	44	0.42	103.3
DF	B	OG4M	100		85	85	1	100				100				24	7	40	0.46	2.1
DF	Totals		1		85	85	1	100				100				24	7	40	0.46	2.1
BM		OGK	100		198	198	3	100				43	57			24	7	34	0.38	5.9
BM	Totals		1		198	198	3	100				43	57			24	7	34	0.38	5.9
Totals				1.3	16,582	16,360	262	6	94			14	4	10	72	29	7	52	0.47	313.1

TC TSTATS				STATISTICS				PAGE	2
				PROJECT	OLD FORT			DATE	6/7/2021
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	07W	25	A2-BT	00PC	16.00	12	116	S	W
CL:	68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.	INF. POP.	
SD:	1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
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-B		346.4	104.3		85	173			
DOUG FIR-L		10.9	3.3	11,110	11,486	11,861			
DOUG FIR-T		60.7	18.3	3,753	4,592	5,431			
SN									
BL MAPLE		346.4	104.3	.	198	405			
TOTAL		17.6	5.3	15,495	16,360	17,225	13	3	1
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-B		346.4	104.3		24	48			
DOUG FIR-L		10.4	3.1	2,879	2,972	3,065			
DOUG FIR-T		60.7	18.3	1,030	1,260	1,491			
SN									
BL MAPLE		346.4	104.3		53	108			
TOTAL		17.5	5.3	4,081	4,308	4,536	13	3	1

Stand Table Summary																
Project OLD FORT																
T10S R07W S25 T00PC													T10S R07W S25 T00PC			
Twp	Rge	Sec	Tract		Type			Acres		Plots	Sample Trees			Page: 1		
10S	07W	25	A2-BT		00PC			16.00		12	53			Date: 06/07/201		
													Time: 4:23:16PM			
Spc	S	DBH	Sample Trees	Av		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
				FF 16'	Ht Tot				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DF	L	8	1	86	68	9.830	3.43	9.83	6.5	30.0	1.81	63	295	29	10	5
DF	L	9	1	88	66	7.767	3.43	7.77	8.7	50.0	1.93	68	388	31	11	6
DF	L	11	4	85	89	20.798	13.73	31.20	11.3	46.7	10.09	354	1,456	161	57	23
DF	L	12	6	85	85	26.214	20.59	39.32	13.4	53.3	15.07	529	2,097	241	85	34
DF	L	13	4	85	81	14.891	13.73	22.34	15.4	56.7	9.81	344	1,266	157	55	20
DF	L	14	7	85	86	22.469	24.02	41.73	15.8	60.0	18.80	660	2,504	301	106	40
DF	L	15	4	86	86	11.185	13.73	22.37	17.3	63.7	11.01	386	1,426	176	62	23
DF	L	16	2	86	76	4.915	6.86	9.83	18.7	65.0	5.23	183	639	84	29	10
DF	L	17	4	86	79	8.708	13.73	17.42	22.0	81.3	10.94	384	1,415	175	61	23
DF	L	81	1	89	164	.096	3.43									
DF		Totals	34	85	82	126.872	116.67	201.79	14.7	56.9	84.70	2,972	11,486	1,355	475	184
DF	T	8	2	86	24	26.602	9.29	26.60	3.4	20.0	2.60	91	532	42	15	9
DF	T	10	2	86	37	17.025	9.29	17.03	7.0	25.0	3.41	120	426	54	19	7
DF	T	11	3	85	81	21.105	13.93	21.11	15.6	60.0	9.38	329	1,266	150	53	20
DF	T	12	1	86	60	5.911	4.64	5.91	16.3	60.0	2.74	96	355	44	15	6
DF	T	13	3	84	81	15.111	13.93	20.15	17.5	62.5	10.03	352	1,259	160	56	20
DF	T	14	2	86	60	8.686	9.29	8.69	23.1	65.0	5.71	200	565	91	32	9
DF	T	15	1	80	57	3.783	4.64	3.78	19.0	50.0	2.05	72	189	33	12	3
DF		Totals	14	85	54	98.224	65.00	103.26	12.2	44.5	35.92	1,260	4,592	575	202	73
BM		9	1	87	52	3.773	1.67	3.77	8.3	30.0	.83	31	113	13	5	2
BM		12	1	87	35	2.122	1.67	2.12	10.1	40.0	.57	21	85	9	3	1
BM		Totals	2	87	46	5.895	3.33	5.89	8.9	33.6	1.40	53	198	22	8	3
DF	B	12	1	86	43	2.122	1.67	2.12	11.1	40.0	.67	24	85	11	4	1
DF		Totals	1	86	43	2.122	1.67	2.12	11.1	40.0	0.67	24	85	11	4	1
SN		8	1		17	9.549	3.33									
SN		10	1		17	6.112	3.33									
SN		Totals	2		17	15.661	6.67									
Totals			53	85	66	248.773	193.33	313.07	13.8	52.3	122.68	4308	16,360	1,963	689	262

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		6/7/2021	
T10S R07W S25 Ty00PC					16.00					Project					OLD FORT					Time:		4:23:15PM			
										Acres					16.00					Grown Year:					
S Spe	T	Sample		Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals											
		DBH	Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF									
DF	L	8	1	86	68	9.830	3.43	9.83	6.5	30.0	1.81	63	295	29	10	5									
DF	L	9	1	88	66	7.767	3.43	7.77	8.7	50.0	1.93	68	388	31	11	6									
DF	L	11	4	85	89	20.798	13.73	31.20	11.3	46.7	10.09	354	1,456	161	57	23									
DF	L	12	6	85	85	26.214	20.59	39.32	13.4	53.3	15.07	529	2,097	241	85	34									
DF	L	13	4	85	81	14.891	13.73	22.34	15.4	56.7	9.81	344	1,266	157	55	20									
DF	L	14	7	85	86	22.469	24.02	41.73	15.8	60.0	18.80	660	2,504	301	106	40									
DF	L	15	4	86	86	11.185	13.73	22.37	17.3	63.7	11.01	386	1,426	176	62	23									
DF	L	16	2	86	76	4.915	6.86	9.83	18.7	65.0	5.23	183	639	84	29	10									
DF	L	17	4	86	79	8.708	13.73	17.42	22.0	81.3	10.94	384	1,415	175	61	23									
DF	L	81	1	89	164	.096	3.43																		
DF	L	Totals	34	85	82	126.872	116.67	201.79	14.7	56.9	84.70	2,972	11,486	1,355	475	184									
DF	T	8	2	86	24	26.602	9.29	26.60	3.4	20.0	2.60	91	532	42	15	9									
DF	T	10	2	86	37	17.025	9.29	17.03	7.0	25.0	3.41	120	426	54	19	7									
DF	T	11	3	85	81	21.105	13.93	21.11	15.6	60.0	9.38	329	1,266	150	53	20									
DF	T	12	1	86	60	5.911	4.64	5.91	16.3	60.0	2.74	96	355	44	15	6									
DF	T	13	3	84	81	15.111	13.93	20.15	17.5	62.5	10.03	352	1,259	160	56	20									
DF	T	14	2	86	60	8.686	9.29	8.69	23.1	65.0	5.71	200	565	91	32	9									
DF	T	15	1	80	57	3.783	4.64	3.78	19.0	50.0	2.05	72	189	33	12	3									
DF	T	Totals	14	85	54	98.224	65.00	103.26	12.2	44.5	35.92	1,260	4,592	575	202	73									
BM		9	1	87	52	3.773	1.67	3.77	8.3	30.0	.83	31	113	13	5	2									
BM		12	1	87	35	2.122	1.67	2.12	10.1	40.0	.57	21	85	9	3	1									
BM		Totals	2	87	46	5.895	3.33	5.89	8.9	33.6	1.40	53	198	22	8	3									
DF	B	12	1	86	43	2.122	1.67	2.12	11.1	40.0	.67	24	85	11	4	1									
DF	B	Totals	1	86	43	2.122	1.67	2.12	11.1	40.0	.67	24	85	11	4	1									
SN		8	1		17	9.549	3.33																		
SN		10	1		17	6.112	3.33																		
SN		Totals	2		17	15.661	6.67																		
Totals			53	85	66	248.773	193.33	313.07	13.8	52.3	122.68	4,308	16,360	1,963	689	262									

TC TLOGSTVB				Log Stock Table - MBF																	
				Project: OLD FORT																	
T10S R07W S25 T00PC										T10S R07W S25 T00PC											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1												
10S	07W	25	A2-BT	00PC	16.00	12	53	Date	6/7/2021												
									Time	4:23:14PM											
S So Gr Log			Gross	%	Net	%	Net Volume by Scaling Diameter in Inches														
Spp	T	rt de Len	MBF	Def	MBF	Spe	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+			
DF	B	OG 4M 24	1		1	.5			1												
DF	L	OG 3M 32	6		6	2.4			6												
DF	L	OG 3M 34	13		13	5.2			4	9											
DF	L	OG 3M 36	19	4.5	18	6.8			13	5											
DF	L	OG 3M 38	44	1.9	43	16.8			11	33											
DF	L	OG 3M 40	75	2.5	73	28.2			16	41	16										
DF	L	OG 4M 12	2		2	.7			1	1											
DF	L	OG 4M 14	11		11	4.2			10	1											
DF	L	OG 4M 16	9		9	3.4		1	6	1											
DF	L	OG 4M 20	1		1	.3			1												
DF	L	OG 4M 24	3		3	1.1			3												
DF	L	OG 4M 32	5		5	1.8		5													
DF	T	OG 3M 34	3		3	1.2			3												
DF	T	OG 3M 36	6		6	2.5				6											
DF	T	OG 3M 38	6		6	2.2			6												
DF	T	OG 3M 40	41		41	16.0			34	7											
DF	T	OG 4M 16	6		6	2.3		4	2												
DF	T	OG 4M 18	7		7	2.7		4	3												
DF	T	OG 4M 26	4		4	1.6			4												
DF	Totals		262	1.4	259	98.8		15	124	105	16										
BM	OG	K 20	1		1	42.9				1											
BM	OG	K 26	2		2	57.1			2												
BM	Totals		3		3	1.2			2	1											
Total All Species			265	1.3	262	100.0		15	125	106	16										

Log Stock Table - MBF

T10S R07W S25 Ty00PC 16.00

Project: OLD FORT
Acres 16.00Page 1
Date 6/7/2021
Time 4:23:13PM

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+
DF	L	OG	3M	32	6		6	3.4		6									
DF	L	OG	3M	34	13		13	7.3		4	9								
DF	L	OG	3M	36	19	4.5	18	9.6		13	5								
DF	L	OG	3M	38	44	1.9	43	23.6		11	33								
DF	L	OG	3M	40	75	2.5	73	39.7		16	41	16							
DF	L	OG	4M	12	2		2	1.0		1	1								
DF	L	OG	4M	14	11		11	6.0		10	1								
DF	L	OG	4M	16	9		9	4.8		1	6	1							
DF	L	OG	4M	20	1		1	.4			1								
DF	L	OG	4M	24	3		3	1.6			3								
DF	L	OG	4M	32	5		5	2.6		5									
DF		Totals			187	1.9	184	70.2		6	71	91	16						
DF	T	OG	3M	34	3		3	4.1		3									
DF	T	OG	3M	36	6		6	8.8			6								
DF	T	OG	3M	38	6		6	7.7		6									
DF	T	OG	3M	40	41		41	56.3		34	7								
DF	T	OG	4M	16	6		6	8.0		4	2								
DF	T	OG	4M	18	7		7	9.5		4	3								
DF	T	OG	4M	26	4		4	5.6			4								
DF		Totals			73		73	28.1		9	51	14							
DF	B	OG	4M	24	1		1	100.0		1									
DF		Totals			1		1	.5		1									
BM		OG	K	20	1		1	42.9			1								
BM		OG	K	26	2		2	57.1			2								
BM		Totals			3		3	1.2			2	1							
Total		All Species			265	1.3	262	100.0		15	125	106	16						

TC TREESEGR														TREE SEGMENT VOLUMES										Page		1	
														Project: OLD FORT										Date		6/7/2021	
TWP	RGE	SC	TRACT				TYPE				ACRES		PLOTS		TREES		CRUISED DATE		CuFt	BdFt							
10S	07W	25	A2-BT				00PC				16.00		12		53		5/1/2021		S	W							
Tree		C		T		Bole Tot.		S		Dia		Dia		Gross	Net	Gross	Net										
Plot	No.	PF	A	Spe	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt			
0201	0001	B11	DF	L	6	13.0	4	86	I	48	82		1xx	31							23	23	92	91			
			Count							BA = 120.00			T/A = 130.496								23	23	92	91			
	0002	B11	DF	T	6	11.0	4	86	G	33	54		1xx	30							13	13	47	47			
			Count							BA = 120.00			T/A = 181.337								13	13	47	47			
PLOT										BA = 240.00			T/A = 311.833								5,383	5,383	20,519	20,291			
0202	0001	B11	DF	T	1	11.0	4	86	G	44	83		113	40	1	.920	.505	10.88	6.74		15	15	60	60			
						BA = 20.00				T/A = 30.305											15	15	60	60			
	0002	B11	DF	L	1	12.0	4	87	I	46	92		113	40		.920	.505	11.95	8.53		20	20	90	90			
						BA = 20.00				T/A = 25.465											20	20	90	90			
	0003	B11	DF	L	1	9.0	4	88	G	33	66		113	32		.920	.505	8.82	6.44		9	9	50	50			
						BA = 20.00				T/A = 45.271											9	9	50	50			
	0004	B11	DF	T	1	11.0	4	87	G	41	74		113	40	1	.920	.505	10.75	6.44		15	15	60	60			
						BA = 20.00				T/A = 30.305											15	15	60	60			
	0005	B11	DF	T	1	8.0	4	86	G	17	21		114	16		.920	.505	7.70	5.70		3	3	20	20			
						BA = 20.00				T/A = 57.296											3	3	20	20			
	0006	B11	DF	L	1	12.0	4	87	G	49	82		113	36		.920	.505	11.77	7.81		17	17	60	60			
						BA = 20.00				T/A = 25.465			214	16		.920	.505	7.81	5.77		3	3	20	20			
																					20	20	80	80			
	0007	B11	DF	L	1	11.0	4	86	G	52	102		113	38		.920	.505	10.96	7.38		15	15	70	70			
						BA = 20.00				T/A = 30.305			214	14		.920	.505	7.38	6.28		3	3	20	20			
																					19	19	90	90			
	0008	B11	DF	L	1	15.0	4	86	G	55	77		113	40		.920	.505	14.80	8.89		28	28	90	90			
						BA = 20.00				T/A = 16.297			214	14		.920	.505	8.89	6.23		4	4	20	20			
																					32	32	110	110			
	0009	B11	DF	L	1	8.0	4	86	G	34	68		114	32		.920	.505	7.99	5.74		6	6	30	30			
						BA = 20.00				T/A = 57.296											6	6	30	30			
PLOT										BA = 180.00			T/A = 318.005								3,961	3,961	17,614	17,614			
0203	0001	B11	DF	L	6	13.0	4	86	I	48	82		1xx	31							23	23	92	91			
			Count							BA = 120.00			T/A = 130.496								23	23	92	91			
	0002	B11	DF	T	5	11.0	4	86	G	33	54		1xx	30							13	13	47	47			
			Count							BA = 100.00			T/A = 151.114								13	13	47	47			
PLOT										BA = 220.00			T/A = 281.610								4,996	4,996	19,106	18,878			
0204	0001	B11	DF	L	1	14.0	4	86	G	46	66		113	40	1	.920	.505	13.70	7.47		24	24	70	70			
						BA = 20.00				T/A = 18.709											24	24	70	70			
	0002	B11	DF	L	1	17.0	4	86	G	54	71		113	38	1	.920	.505	16.70	9.94		35	35	110	110			
						BA = 20.00				T/A = 12.688			214	14		.920	.505	9.94	6.44		4	4	20	20			
																					39	39	130	130			
	0003	B11	DF	L	1	14.0	4	86	H	51	85		113	36		.920	.505	13.86	9.12		25	25	100	100			
						BA = 20.00				T/A = 18.709			214	14		.920	.505	9.12	7.22		5	5	20	20			
																					30	30	120	120			
	0004	B11	DF	L	1	13.0	4	86	G	49	76		113	34		.920	.505	12.81	8.38		19	19	70	70			
						BA = 20.00				T/A = 21.698			214	14		.920	.505	8.38	6.28		4	4	20	20			
																					23	23	90	90			
	0005	B11	DF	L	1	17.0	4	86	G	61	81		113	40	1	.920	.505	16.80	10.30		39	39	150	150			
						BA = 20.00				T/A = 12.688			214	20		.920	.505	10.30	6.20		7	7	20	20			
																					46	46	170	170			
	0006	B11	DF	L	1	17.0	4	86	G	58	77		113	40		.920	.505	16.76	10.02		39	39	150	150			
						BA = 20.00				T/A = 12.688			214	16		.920	.505	10.02	6.44		6	6	20	20			
																					45	45	170	170			
	0007	B11	DF	T	1	15.0	4	81	G	41	57		100	6		.920	.505	15.13	13.22		19	19	50	50			
						BA = 20.00				T/A = 16.297			213	34	1	.920	.505	13.22	6.44								

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt																	
10S	07W	25	A2-BT	00PC	16.00	12	53	5/1/2021	S	W																	
Tree	C	T	Bole	Tot.	S			Dia	Dia	Gross	Net	Gross	Net														
Plot No.	PF	A	Sp	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt				
																				19	19	50	50				
PLOT																				BA = 140.00	T/A = 113.478			3,463	3,463	12,286	12,286
0205	0001	B11	DF	L	6	13.0	4	86	I	48	82		1xx	31						23	23	92	91				
			Count			BA = 120.00				T/A = 130.496										23	23	92	91				
	0002	B11	DF	T	1	11.0	4	86	G	33	54		1xx	30						13	13	47	47				
			Count			BA = 20.00				T/A = 30.223										13	13	47	47				
	0003	B11	SN		1	8.8	4		0	41	41		1xx														
			Count			BA = 20.00				T/A = 46.983																	
PLOT																				BA = 160.00	T/A = 207.702			3,444	3,444	13,455	13,227
0206	0001	B11	DF	L	1	14.0	4	87	H	49	80		113	34		.920	.505	13.72	9.28	23	23	100	100				
						BA = 20.00				T/A = 18.709			214	12		.920	.505	9.28	7.52	4	4	20	20				
																				27	27	120	120				
	0002	B11	DF	L	1	14.0	4	86	G	56	83		113	38		.920	.505	13.85	8.82	24	24	80	80				
						BA = 20.00				T/A = 18.709			214	16		.920	.505	8.82	6.44	4	4	20	20				
																				29	29	100	100				
	0003	B11	DF	T	1	13.0	4	83	G	44	69		113	40		.920	.505	13.05	6.93	22	22	60	60				
						BA = 20.00				T/A = 21.698										22	22	60	60				
	0004	B11	DF	L	1	16.0	4	86	G	55	74		113	40	2	.920	.505	15.76	9.28	33	33	120	110				
						BA = 20.00				T/A = 14.324			214	14		.920	.505	9.28	6.20	4	4	20	20				
																				38	38	140	130				
	0005	B11	DF	L	1	12.0	4	86	I	42	84		113	40	1	.920	.505	12.02	8.33	23	23	90	90				
						BA = 20.00				T/A = 25.465										23	23	90	90				
	0006	B11	DF	T	1	11.0	4	83	G	43	86		113	40	2	.920	.505	11.15	6.62	17	17	60	60				
						BA = 20.00				T/A = 30.305										17	17	60	60				
	0007	B11	DF	L	1	16.0	4	86	G	57	78		113	38		.920	.505	15.78	9.80	32	32	110	110				
						BA = 20.00				T/A = 14.324			214	16		.920	.505	9.80	6.66	5	5	20	20				
																				37	37	130	130				
	0008	B11	DF	L	1	14.0	4	83	G	56	86		113	38		.920	.505	14.18	8.61	27	27	80	80				
						BA = 20.00				T/A = 18.709			214	16		.920	.505	8.61	6.44	4	4	20	20				
																				31	31	100	100				
	0009	B11	DF	T	1	14.0	4	86	G	44	63		113	40	3	.920	.505	13.66	7.12	24	24	70	70				
						BA = 20.00				T/A = 18.709										24	24	70	70				
PLOT																				BA = 180.00	T/A = 180.951			4,729	4,729	16,576	16,433
0207	0001	B11	DF	L	6	13.0	4	86	I	48	82		1xx	31						23	23	92	91				
			Count			BA = 120.00				T/A = 130.496										23	23	92	91				
	0002	B11	DF	T	6	11.0	4	86	G	33	54		1xx	30						13	13	47	47				
			Count			BA = 120.00				T/A = 181.337										13	13	47	47				
PLOT																				BA = 240.00	T/A = 311.833			5,383	5,383	20,519	20,291
0208	0001	B11	DF	L	1	11.0	4	86	G	42	78		113	40		.920	.505	10.85	6.55	15	15	60	60				
						BA = 20.00				T/A = 30.305										15	15	60	60				
	0002	B11	DF	T	1	8.0	4	86	G	18	26		114	18	2	.920	.505	7.70	5.33	4	4	20	20				
						BA = 20.00				T/A = 57.296										4	4	20	20				
	0003	B11	DF	T	1	10.0	4	86	H	18	26		114	18		.920	.505	9.63	6.66	6	6	20	20				
						BA = 20.00				T/A = 36.669										6	6	20	20				
	0004	B11	DF	L	1	14.0	4	86	I	54	108		113	38	1	.920	.505	13.97	9.54	26	26	110	110				
						BA = 20.00				T/A = 18.709			214	14		.920	.505	9.54	8.28	6	6	20	20				
																				31	31	130	130				
	0005	B11	DF	L	1	12.0	4	83	G	50	89		113	34	2	.920	.505	12.17	7.82	18	18	60	60				
						BA = 20.00				T/A = 25.465			214	14		.920	.505	7.82	6.44	3	3	20	20				
																				21	21	80	80				

TWP	RGE	SC	TRACT					TYPE	ACRES				PLOTS		TREES		CRUISED DATE		CuFt	BdFt				
10S	07W	25	A2-BT					00PC	16.00				12		53		5/1/2021		S	W				
Tree			C				T Bole Tot.				S		Dia		Dia	Gross	Net	Gross	Net					
Plot	No.	PF	A	Sp	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt
0208	0006	B11	DF	T	1	13.0	4	86	I	47	94		113	40			.920	.505	12.97	8.73	23	23	90	90
						BA = 20.00				T/A = 21.698											23	23	90	90
	0007	B11	DF	L	1	13.0	4	86	I	45	90		113	40	2		.920	.505	12.95	8.60	23	23	90	80
						BA = 20.00				T/A = 21.698											23	23	90	80
	0008	B11	DF	L	1	15.0	4	86	I	54	97		113	40	1		.920	.505	14.92	9.73	30	30	120	110
						BA = 20.00				T/A = 16.297			214	12			.920	.505	9.73	8.28	5	5	20	20
																					35	35	140	130
	0009	B11	DF	L	1	17.0	4	87	G	66	88		113	40	1		.920	.505	16.72	10.78	39	39	150	150
						BA = 20.00				T/A = 12.688			214	16			.920	.505	10.78	8.06	7	7	30	30
																					46	46	180	180
PLOT						BA = 180.00				T/A = 240.826											4,133	4,133	16,638	16,258
0209	0001	B11	DF	T	3	11.0	4	86	G	33	54		1xx	30							13	13	47	47
			Count			BA = 60.00				T/A = 90.668											13	13	47	47
	0002	B11	DF	L	6	13.0	4	86	I	48	82		1xx	31							23	23	92	91
			Count			BA = 120.00				T/A = 130.496											23	23	92	91
PLOT						BA = 180.00				T/A = 221.165											4,220	4,220	16,280	16,052
0210	0001	B11	DF	L	1	11.0	4	87	G	55	107		113	38	2		.920	.505	10.89	7.55	15	15	70	60
						BA = 20.00				T/A = 30.305			214	16			.920	.505	7.55	6.36	4	4	20	20
																					19	19	90	80
	0002	B11	DF	T	1	10.0	4	86	G	26	47		114	26			.920	.505	9.63	6.26	8	8	30	30
						BA = 20.00				T/A = 36.669											8	8	30	30
																					8	8	30	30
	0003	B11	DF	L	1	14.0	4	86	G	62	93		113	38			.920	.505	13.91	9.17	26	26	110	110
						BA = 20.00				T/A = 18.709			214	24			.920	.505	9.17	6.15	8	8	30	30
																					34	34	140	140
	0004	B11	DF	T	1	12.0	4	86	G	38	60		113	38	2		.920	.505	11.68	6.25	16	16	60	60
						BA = 20.00				T/A = 25.465											16	16	60	60
	0005	B11	DF	T	1	14.0	4	87	G	41	57		113	40	2		.920	.505	13.47	6.44	22	22	60	60
						BA = 20.00				T/A = 18.709											22	22	60	60
	0006	B11	DF	L	1	12.0	4	86	G	45	75		113	40	2		.920	.505	11.82	6.98	17	17	60	60
						BA = 20.00				T/A = 25.465											17	17	60	60
	0007	B11	DF	L	1	15.0	4	86	G	62	89		113	38			.920	.505	14.87	9.67	29	29	110	110
						BA = 20.00				T/A = 16.297			214	24			.920	.505	9.67	6.09	8	8	30	30
																					36	36	140	140
	0008	B11	DF	T	1	13.0	4	86	G	52	81		113	36	1		.920	.505	12.85	8.35	20	20	80	80
						BA = 20.00				T/A = 21.698			214	16			.920	.505	8.35	6.14	4	4	20	20
																					25	25	100	100
	0009	B11	DF	L	1	81.0	4	89	Z	132	132						.920	.505						
						BA = 20.00				T/A = 0.559														
	0010	B11	DF	L	1	13.0	4	86	G	43	65		113	40	1		.920	.505	12.71	6.82	20	20	60	60
						BA = 20.00				T/A = 21.698											20	20	60	60
PLOT						BA = 200.00				T/A = 215.574											4,338	4,338	16,378	16,075
0211	0001	B11	DF	L	1	15.0	4	86	G	57	81		113	40	3		.920	.505	14.82	9.07	30	30	120	110
						BA = 20.00				T/A = 16.297			214	14			.920	.505	9.07	6.63	4	4	20	20
																					35	35	140	130
	0002	B11	SN		1	8.0	4		0	36	36						.944	.532						
						BA = 20.00				T/A = 57.296														
	0003	B11	DF	B	1	12.0	4	86	H	26	26		114	24			.920	.505	11.56	7.62	11	11	40	40
						BA = 20.00				T/A = 25.465											11	11	40	40
	0004	B11	BM		1	9.0	4	87	H	26	52		11K	26	1		.953	.545	9.09	6.63	8	8	30	30
						BA = 20.00				T/A = 45.271											8	8	30	30

TREE SEGMENT VOLUMES

Project: OLD FORT

Page

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Date

6/7/2021

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt													
10S	07W	25	A2-BT	00PC	16.00	12	53	5/1/2021	S	W													
Tree	C	T	Bole Tot.	S																			
Plot No.	PF	A	Sp	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0211	0005	B11	BM		1	12.0	4	87	I	21	35		11K	20	1	.953	.545	11.93	8.58	10	10	40	40
						BA = 20.00				T/A = 25.465										10	10	40	40
	0006	B11	DF	L	1	11.0	4	83	G	36	68		113	36	1	.920	.505	11.04	6.32	15	15	60	50
						BA = 20.00				T/A = 30.305										15	15	60	50
	0007	B11	DF	L	1	12.0	4	86	G	50	85		113	36	3	.920	.505	11.88	7.82	17	17	60	60
						BA = 20.00				T/A = 25.465			214	14		.920	.505	7.82	6.20	3	3	20	20
	0008	B11	SN		1	10.0	4		0	49	49					.944	.532			20	20	80	80
						BA = 20.00				T/A = 36.669													
	0009	B11	DF	L	1	13.0	4	86	G	57	91		113	40	1	.920	.505	12.90	8.24	23	23	90	90
						BA = 20.00				T/A = 21.698			214	16		.920	.505	8.24	6.31	4	4	20	20
PLOT						BA = 180.00				T/A = 283.931										27	27	110	110
																				3,043	3,043	11,919	11,453
0212	0001	B11	DF	T	4	11.0	4	86	G	33	54		1xx	30						13	13	47	47
			Count			BA = 80.00				T/A = 120.891										13	13	47	47
	0002	B11	DF	L	6	13.0	4	86	I	48	82		1xx	31						23	23	92	91
			Count			BA = 120.00				T/A = 130.496										23	23	92	91
	0003	B11	SN		1	8.8	4		0	41	41		1xx										
			Count			BA = 20.00				T/A = 46.983													
PLOT						BA = 220.00				T/A = 298.370										4,608	4,608	17,693	17,465
TYPE						BA = 193.33				T/A = 248.773										4,308	4,308	16,582	16,360

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	OLD FORT	DATE 6/7/2021				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
10S	06W	30	A3-BT	00PC	36.00	20	184	S	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		20	184	9.2						
CRUISE		9	79	8.8	8,002	1.0				
DBH COUNT										
REFOREST										
COUNT		11	105	9.5						
BLANKS										
100 %										
STAND SUMMARY										
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR-B		3	3.7	12.2	63	0.9	3.0	469	469	111
DOUG FIR-L		44	111.9	13.4	60	30.0	110.0	13,415	13,339	3,342
DOUG FIR-T		22	83.2	11.2	49	17.0	57.0	6,724	6,651	1,595
SN		5	14.4	9.4	50	2.3	7.0			
CHERRY		1	3.8	12.0	31	0.9	3.0			
R ALDER		2	2.6	11.9	37	0.6	2.0	156	156	44
BL MAPLE		2	2.6	11.9	29	0.6	2.0	93	93	31
TOTAL		79	222.3	12.3	54	52.4	184.0	20,857	20,708	5,121
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-B		51.9	35.9	88	137	186				
DOUG FIR-L		29.0	4.4	122	128	133				
DOUG FIR-T		30.9	6.7	81	87	93				
SN										
CHERRY										
R ALDER				60	60	60				
BL MAPLE		20.2	18.9	28	35	42				
TOTAL		48.7	5.5	97	103	109	95	24	11	
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-B		43.3	30.0	22	32	41				
DOUG FIR-L		30.5	4.6	31	32	34				
DOUG FIR-T		35.8	7.8	20	21	23				
SN										
CHERRY										
R ALDER		13.4	12.6	15	17	19				
BL MAPLE		9.7	9.1	11	12	13				
TOTAL		49.3	5.5	24	26	27	97	24	11	
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-B		249.4	57.2	2	4	6				
DOUG FIR-L		25.8	5.9	105	112	118				
DOUG FIR-T		89.5	20.5	66	83	100				
SN		231.1	53.0	7	14	22				
CHERRY		244.2	56.0	2	4	6				
R ALDER		447.2	102.5		3	5				
BL MAPLE		312.4	71.6	1	3	4				
TOTAL		35.2	8.1	204	222	240	52	13	6	
CL: 68.1 %	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page 1											
Project: OLD FORT												Date 6/7/2021	Time 4:22:09PM										
T10S R06W S30 T00PC										T10S R06W S30 T00PC													
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt														
10S	06W	30	A3-BT	00PC	36.00	20	79	S	W														
S So Gr Spp T rt ad				% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log		Logs Per /Acre				
									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	L	OG	2M	1		255	255	9		100				100				36	12	180	1.18		1.4
DF	L	OG	3M	82	.7	10,901	10,826	390		100				0 2 98				39	8	94	0.60		115.7
DF	L	OG	4M	17		2,259	2,259	81		100				66	34			19	6	23	0.29		98.9
DF	L	Totals		64	.6	13,415	13,339	480		98	2			11	6	1	81	30	7	62	0.51	216.0	
DF	T	OG	3M	81	1.3	5,482	5,408	195		100				4 96				39	7	71	0.45		75.8
DF	T	OG	4M	19		1,243	1,243	45		100				87	13			18	6	21	0.25		59.5
DF	T	Totals		32	1.1	6,724	6,651	240-239		100				16	2	4	78	30	7	49	0.40		135.3
DF	B	OG	3M	83		393	393	14		100				100				39	8	84	0.53		4.7
DF	B	OG	4M	17		76	76	3		100				100				36	7	60	0.31		1.3
DF	B	Totals		2		469	469	17		100				100				39	7	79	0.48		5.9
RA		OG	K	100		156	156	6		100				100				37	6	60	0.46		2.6
RA	Totals			1		156	156	6		100				100				37	6	60	0.46		2.6
BM		OG	K	100		93	93	3		100				100				28	6	36	0.42		2.6
BM	Totals			0		93	93	3		100				100				28	6	36	0.42		2.6
Type Totals					.7	20,857	20,708	745		99	1			12	5	2	80	30	7	57	0.47	362.4	

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																		
T10S R06W S30 Ty00PC36.00				Project: OLD FORT				Page 1														
				Acres 36.00				Date 6/7/2021														
								Time 4:22:08PM														
Spp	S	So Gr	T	rt ad	% Net BdFt	Bd. Ft. per Acre Def%GrossNet			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	OG2M			1		255	255	9	100				100				36	12	180	1.18	1.4
DF	L	OG3M			82	.7	10,901	10,826	390	100				0298				39	8	94	0.60	115.7
DF	L	OG4M			17		2,259	2,259	81	100				6634				19	6	23	0.29	98.9
DF Totals					64	.6	13,415	13,339	480	982				116181				30	7	62	0.51	216.0
DF	T	OG3M			81	1.3	5,482	5,408	195	100				496				39	7	71	0.45	75.8
DF	T	OG4M			19		1,243	1,243	45	100				8713				18	6	21	0.25	59.5
DF Totals					32	1.1	6,724	6,651	239	100				162478				30	7	49	0.40	135.3
DF	B	OG3M			83		393	393	14	100				100				39	8	84	0.53	4.7
DF	B	OG4M			17		76	76	3	100				100				36	7	60	0.31	1.3
DF Totals					2		469	469	17	100				100				39	7	79	0.48	5.9
BM OGK					100		93	93	3	100				100				28	6	36	0.42	2.6
BM Totals					0		93	93	3	100				100				28	6	36	0.42	2.6
RA OGK					100		156	156	6	100				100				37	6	60	0.46	2.6
RA Totals					1		156	156	6	100				100				37	6	60	0.46	2.6
Totals						0.7	20,857	20,708	745	991				125280				30	7	57	0.47	362.4

TC TSTATS				STATISTICS				PAGE	2
				PROJECT	OLD FORT			DATE	6/7/2021
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	06W	30	A3-BT	00PC	36.00	20	184	S	W
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-B		244.2	56.0	1	3	5			
DOUG FIR-L		25.4	5.8	104	110	116			
DOUG FIR-T		88.4	20.3	45	57	69			
SN		212.9	48.8	4	7	10			
CHERRY		244.2	56.0	1	3	5			
R ALDER		447.2	102.5		2	4			
BL MAPLE		307.8	70.6	1	2	3			
TOTAL		28.3	6.5	172	184	196	34	8	4
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-B		256.5	58.8	193	469	745			
DOUG FIR-L		25.6	5.9	12,557	13,339	14,121			
DOUG FIR-T		86.4	19.8	5,333	6,651	7,969			
SN									
CHERRY									
R ALDER		447.2	102.5		156	316			
BL MAPLE		322.9	74.0	24	93	162			
TOTAL		34.0	7.8	19,095	20,708	22,321	49	12	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-B		250.5	57.4	47	111	174			
DOUG FIR-L		25.6	5.9	3,145	3,342	3,538			
DOUG FIR-T		86.6	19.8	1,278	1,595	1,911			
SN									
CHERRY									
R ALDER		447.2	102.5		44	88			
BL MAPLE		309.4	70.9	9	31	52			
TOTAL		32.5	7.5	4,739	5,121	5,503	44	11	5

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		6/7/2021	
T10S R06W S30 Ty00PC					36.00					Project					OLD FORT					Time:		4:22:09PM			
										Acres					36.00					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										
DF L	10	1	85	92	4.584	2.50	4.58	12.8	60.0	1.67	59	275	60	21	10										
DF L	11	3	85	110	11.364	7.50	22.73	10.4	45.0	6.72	236	1,023	242	85	37										
DF L	12	6	85	100	19.099	15.00	35.01	12.4	49.1	12.35	433	1,719	444	156	62										
DF L	13	11	86	96	29.835	27.50	59.67	13.9	55.9	23.55	826	3,336	848	298	120										
DF L	14	10	86	95	23.386	25.00	46.77	16.5	65.0	21.95	770	3,040	790	277	109										
DF L	15	6	86	93	12.223	15.00	24.45	19.0	75.0	13.25	465	1,833	477	167	66										
DF L	16	3	86	92	5.371	7.50	10.74	22.4	90.0	6.87	241	967	247	87	35										
DF L	17	2	86	85	3.172	5.00	6.34	23.5	82.5	4.25	149	523	153	54	19										
DF L	18	2	86	91	2.829	5.00	5.66	28.8	110.0	4.64	163	622	167	59	22										
DF L	Totals	44	86	97	111.863	110.00	215.96	15.5	61.8	95.24	3,342	13,339	3,429	1,203	480										
DFT	8	1	86	52	7.422	2.59	7.42	4.6	20.0	98	34	148	35	12	5										
DFT	9	2	83	77	11.729	5.18	11.73	12.1	60.0	4.05	142	704	146	51	25										
DFT	10	2	86	103	9.501	5.18	14.25	10.9	50.0	4.43	155	713	159	56	26										
DFT	11	4	86	94	15.704	10.36	27.48	10.0	45.7	7.82	274	1,256	282	99	45										
DFT	12	7	85	94	23.092	18.14	42.89	12.0	46.2	14.61	513	1,979	526	185	71										
DFT	13	4	86	97	11.243	10.36	22.49	14.0	55.0	8.97	315	1,237	323	113	45										
DFT	14	1	86	98	2.424	2.59	4.85	17.5	70.0	2.41	85	339	87	30	12										
DFT	15	1	84	84	2.111	2.59	4.22	18.0	65.0	2.16	76	274	78	27	10										
DFT	Totals	22	85	89	83.226	57.00	135.33	11.8	49.1	45.45	1,595	6,651	1,636	574	239										
DFB	11	1	80	45	1.515	1.00	1.52	17.1	60.0	.74	26	91	27	9	3										
DFB	12	1	86	156	1.273	1.00	2.55	16.9	75.0	1.23	43	191	44	15	7										
DFB	14	1	84	78	.935	1.00	1.87	22.2	100.0	1.19	42	187	43	15	7										
DFB	Totals	3	83	91	3.724	3.00	5.93	18.6	79.1	3.15	111	469	113	40	17										
RA	11	1	87	60	1.515	1.00	1.52	15.4	60.0	.64	23	91	23	8	3										
RA	13	1	86	54	1.085	1.00	1.08	18.7	60.0	.56	20	65	20	7	2										
RA	Totals	2	87	57	2.600	2.00	2.60	16.8	60.0	1.20	44	156	43	16	6										
BM	11	1	87	49	1.515	1.00	1.52	11.1	40.0	.45	17	61	16	6	2										
BM	13	1	86	33	1.085	1.00	1.08	12.8	30.0	.37	14	33	13	5	1										
BM	Totals	2	87	42	2.600	2.00	2.60	11.8	35.8	.81	31	93	29	11	3										
CH	12	1	86	44	3.820	3.00																			
CH	Totals	1	86	44	3.820	3.00																			
SN	8	1		17	4.011	1.40																			
SN	9	2	86	44	6.338	2.80																			
SN	10	1		17	2.567	1.40																			
SN	13	1	85	78	1.519	1.40																			
SN	Totals	5	86	35	14.434	7.00																			
Totals		79	86	88	222.268	184.00	362.42	14.1	57.1	145.85	5,121	20,708	5,251	1,844	745										

Log Stock Table - MBF

T10S R06W S30 Ty00PC 36.00

Project: OLD FORT
Acres 36.00Page 2
Date 6/7/2021
Time 4:22:08PM

S Spp	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+
RA		Totals		6		6	.8			6									
Total		All Species		751		745	100.0			367	304	65	9						

Log Stock Table - MBF

Project: OLD FORT

T10S R06W S30 T00PC

T10S R06W S30 T00PC

Twp Rge Sec Tract Type Acres Plots Sample Trees
 10S 06W 30 A3-BT 00PC 36.00 20 79

Page 1
 Date 6/7/2021
 Time 4:22:07PM

Spp	T	S	So	Gr	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+
DF	B	OG	3M	36			3		3	.4				3								
DF	B	OG	3M	40			11		11	1.6				3	8							
DF	B	OG	4M	36			3		3	.4				3								
DF	L	OG	2M	36			9		9	1.2					9							
DF	L	OG	3M	26			2		2	.3				2								
DF	L	OG	3M	32			4		4	.5				4								
DF	L	OG	3M	34			3		3	.3				3								
DF	L	OG	3M	38			44		44	6.0				19	25							
DF	L	OG	3M	40			340	.8	337	45.8				60	213	65						
DF	L	OG	4M	12			2		2	.2				2								
DF	L	OG	4M	14			7		7	1.0				7								
DF	L	OG	4M	16			18		18	2.4				18								
DF	L	OG	4M	18			18		18	2.4				18								
DF	L	OG	4M	20			10		10	1.3				10								
DF	L	OG	4M	24			14		14	1.9				14								
DF	L	OG	4M	26			8		8	1.1				8								
DF	L	OG	4M	28			5		5	.7				5								
DF	T	OG	3M	34			8		8	1.2				8								
DF	T	OG	3M	38			62		62	8.4				62								
DF	T	OG	3M	40			127	2.1	124	16.9				71	53							
DF	T	OG	4M	14			10		10	1.4				10								
DF	T	OG	4M	15			2		2	.3				2								
DF	T	OG	4M	16			5		5	.7				5								
DF	T	OG	4M	18			8		8	1.1				8								
DF	T	OG	4M	20			13		13	1.7				13								
DF	T	OG	4M	24			6		6	.8				6								
DF	Totals						742		737	98.8				358	304	65	9					
RA		OG	K	36			3		3	58.3				3								
RA		OG	K	38			2		2	41.7				2								
RA	Totals						6		6	.8				6								
BM		OG	K	26			1		1	34.9				1								
BM		OG	K	30			2		2	65.1				2								
BM	Totals						3		3	.4				3								
Total All Species							751		745	100.0				367	304	65	9					

TC TREBSEGR				TREE SEGMENT VOLUMES														Page 1						
				Project: OLD FORT														Date 6/7/2021						
TWP	RGE	SC	TRACT	TYPE		ACRES		PLOTS		TREES		CRUISED DATE		CuFt	BdFt									
10S	06W	30	A3-BT	00PC		36.00		20		79		5/1/2021		S	W									
Tree		C	T	Bole Tot.		S		Dia		Dia		Gross	Net	Gross	Net									
Plot	No.	PF	A	Sp	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt
0101	0001	B11	DF	L	1	17.0	4	88	G	65	86	113	40	2	.920	.505	16.58	10.81	39	39	150	140		
						BA = 20.00				T/A = 12.688		214	24		.920	.505	10.81	6.21	9	9	30	30		
																			48	48	180	170		
	0002	B11	DF	L	1	14.0	4	87	G	55	81	113	40		.920	.505	13.73	8.56	25	25	90	90		
						BA = 20.00				T/A = 18.709		214	14		.920	.505	8.56	6.26	4	4	20	20		
																			29	29	110	110		
	0003	B11	DF	L	1	13.0	4	87	G	56	88	113	40		.920	.505	12.79	8.24	23	23	90	90		
						BA = 20.00				T/A = 21.698		214	16		.920	.505	8.24	6.16	4	4	20	20		
																			27	27	110	110		
	0004	B11	DF	L	1	18.0	4	86	G	68	89	113	40		.920	.505	17.85	11.33	45	45	180	180		
						BA = 20.00				T/A = 11.318		214	26		.920	.505	11.33	6.44	11	11	30	30		
																			56	56	210	210		
	0005	B11	DF	L	1	17.0	4	86	G	63	84	113	40	2	.920	.505	16.82	10.46	39	39	150	140		
						BA = 20.00				T/A = 12.688		214	20		.920	.505	10.46	6.67	7	7	20	20		
																			46	46	170	160		
	0006	B11	DF	L	1	18.0	4	86	G	71	93	112	36		.920	.505	17.88	12.03	43	43	180	180		
						BA = 20.00				T/A = 11.318		213	34		.920	.505	12.03	6.22	17	17	50	50		
																			59	59	230	230		
PLOT						BA = 120.00				T/A = 88.419									3,629	3,629	13,865	13,612		
0102	0001	B11	DF	T	4	11.2	4	86	G	49	89	1xx	30						19	19	81	80		
			Count			BA = 80.00				T/A = 116.809									19	19	81	80		
	0002	B11	DF	L	6	13.4	4	86	G	60	97	1xx	30						30	30	120	119		
			Count			BA = 120.00				T/A = 122.033									30	30	120	119		
	0003	B11	SN		1	9.4	4	28	0	50	50	1xx												
			Count			BA = 20.00				T/A = 41.241														
PLOT						BA = 220.00				T/A = 280.082									5,884	5,884	24,072	23,886		
0301	0001	B11	DF	T	3	11.2	4	86	G	49	89	1xx	30						19	19	81	80		
			Count			BA = 60.00				T/A = 87.607									19	19	81	80		
	0002	B11	DF	L	6	13.4	4	86	G	60	97	1xx	30						30	30	120	119		
			Count			BA = 120.00				T/A = 122.033									30	30	120	119		
PLOT						BA = 180.00				T/A = 209.639									5,324	5,324	21,712	21,553		
0302	0001	B11	DF	B	1	12.0	4	86	H	78	78	113	40		.920	.505	12.09	8.74	23	23	90	90		
						BA = 20.00				T/A = 25.465		214	36		.920	.505	8.74	7.36	11	11	60	60		
												300	39		.920	.505	7.36	5.43						
																			34	34	150	150		
	0002	B11	BM		1	13.0	4	87	G	26	33	11K	26		.953	.545	12.93	6.04	13	13	30	30		
						BA = 20.00				T/A = 21.698									13	13	30	30		
	0003	B11	DF	L	1	15.0	4	86	G	63	90	113	40	1	.920	.505	14.88	9.50	30	30	120	110		
						BA = 20.00				T/A = 16.297		214	20		.920	.505	9.50	6.61	6	6	20	20		
																			37	37	140	130		
PLOT						BA = 60.00				T/A = 63.460									1,734	1,734	6,752	6,589		
0303	0001	B11	SN		1	9.4	4	28	0	50	50	1xx												
			Count			BA = 20.00				T/A = 41.241														
	0002	B11	DF	L	6	13.4	4	86	G	60	97	1xx	30						30	30	120	119		
			Count			BA = 120.00				T/A = 122.033									30	30	120	119		
PLOT						BA = 140.00				T/A = 163.274									3,645	3,645	14,634	14,552		
0304	0001	B11	DF	B	1	11.0	4	80	G	42	45	113	40		.920	.505	11.41	6.52	17	17	60	60		
						BA = 20.00				T/A = 30.305									17	17	60	60		
	0002	B11	SN		1	9.0	4		0	44	44				.944	.532								
						BA = 20.00				T/A = 45.271														

Project: OLD FORT

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt														
10S	06W	30	A3-BT	00PC	36.00	20	79	5/1/2021	S	W														
Tree		C	T	Bole Tot.		S	Dia		Dia	Gross	Net	Gross	Net											
Plot	No.	PF	A	Spc	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt
0304	0003	B11	SN		1		10.0	4		0	61	61					.944	.532						
							BA = 20.00				T/A = 36.669													
	0004	B11	RA		1		11.0	4	87	G	36	60		11K	36		.953	.545	11.05	6.51	15	15	60	60
							BA = 20.00				T/A = 30.305										15	15	60	60
	0005	B11	RA		1		13.0	4	87	G	38	54		11K	38	1	.953	.545	12.96	6.39	19	19	60	60
							BA = 20.00				T/A = 21.698										19	19	60	60
	0006	B11	SN		1		8.0	4		0	50	50					.944	.532						
							BA = 20.00				T/A = 57.296													
	0007	B11	CH		1		12.0	4	87	G	31	44					.940	.545						
							BA = 20.00				T/A = 25.465													
	0008	B11	DF	L	1		11.0	4	86	G	54	107		113	38	1	.920	.505	10.97	7.46	15	15	70	70
							BA = 20.00				T/A = 30.305			214	14		.920	.505	7.46	6.44	3	3	20	20
																					19	19	90	90
	0009	B11	DF	L	1		13.0	4	86	H	60	114		113	40	1	.920	.505	12.99	8.81	23	23	90	90
							BA = 20.00				T/A = 21.698			214	18		.920	.505	8.81	7.36	6	6	30	30
																					28	28	120	120
PLOT							BA = 180.00				T/A = 299.012										2,570	2,570	10,270	10,270
0305	0001	B11	DF	L	6		13.4	4	86	G	60	97		1xx	30						30	30	120	119
			Count				BA = 120.00				T/A = 122.033										30	30	120	119
	0002	B11	DF	T	7		11.2	4	86	G	49	89		1xx	30						19	19	81	80
			Count				BA = 140.00				T/A = 204.415										19	19	81	80
PLOT							BA = 260.00				T/A = 326.448										7,562	7,562	31,150	30,887
0306	0001	B11	DF	L	1		12.0	4	86	G	49	83		113	40		.920	.505	11.87	7.35	19	19	70	70
							BA = 20.00				T/A = 25.465										19	19	70	70
	0002	B11	DF	T	1		11.0	4	86	G	53	105		113	38		.920	.505	10.96	7.42	15	15	70	70
							BA = 20.00				T/A = 30.305			214	14		.920	.505	7.42	6.36	3	3	20	20
																					19	19	90	90
	0003	B11	DF	B	1		14.0	4	85	I	76	78		113	40		.920	.505	14.19	9.98	30	30	120	120
							BA = 20.00				T/A = 18.709			213	36		.920	.505	9.98	8.17	14	14	80	80
																					44	44	200	200
	0004	B11	DF	T	1		12.0	4	86	G	55	95		113	40	1	.920	.505	11.93	7.74	19	19	70	70
							BA = 20.00				T/A = 25.465			214	15		.920	.505	7.74	6.23	3	3	20	20
																					22	22	90	90
	0005	B11	DF	L	1		11.0	4	83	G	52	104		113	38		.920	.505	11.22	7.25	18	18	70	70
							BA = 20.00				T/A = 30.305			214	14		.920	.505	7.25	6.30	3	3	20	20
																					21	21	90	90
	0006	B11	DF	L	1		15.0	4	86	G	60	85		113	40		.920	.505	14.85	9.30	30	30	120	120
							BA = 20.00				T/A = 16.297			214	20		.920	.505	9.30	6.07	6	6	20	20
																					37	37	140	140
	0007	B11	DF	L	1		13.0	4	86	G	62	100		113	38	1	.920	.505	12.94	8.67	22	22	80	80
							BA = 20.00				T/A = 21.698			214	24		.920	.505	8.67	6.21	7	7	30	30
																					28	28	110	110
	0008	B11	DF	L	1		14.0	4	86	G	56	83		113	40		.920	.505	13.85	8.58	25	25	90	90
							BA = 20.00				T/A = 18.709			214	16		.920	.505	8.58	6.10	4	4	20	20
																					30	30	110	110
	0009	B11	DF	T	1		12.0	4	85	G	54	95		113	40	1	.920	.505	12.01	7.64	21	21	70	70
							BA = 20.00				T/A = 25.465			214	14		.920	.505	7.64	6.23	3	3	20	20
																					24	24	90	90
	0010	B11	DF	L	1		12.0	4	86	G	60	105		113	40	2	.920	.505	11.96	7.97	19	19	70	70
							BA = 20.00				T/A = 25.465			214	18		.920	.505	7.97	6.44	4	4	20	20
																					23	23	90	90
PLOT							BA = 200.00				T/A = 237.883										6,024	6,024	24,581	24,581
0307	0001	B11	DF	T	2		11.2	4	86	G	49	89		1xx	30						19	19	81	80
			Count				BA = 40.00				T/A = 58.404										19	19	81	80

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt			
10S	06W	30	A3-BT	00PC	36.00	20	79	5/1/2021	S	W			
Tree	C	T	Bole Tot.	S			Dia	Dia	Gross	Net	Gross	Net	
Plot No. PF A Spc S	T DBH FF FF D	Hgt Hg	PRDVT	SG Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt
0307 0002 B11 DF L 6	13.4 4 86 G	60 97	1xx	30						30	30	120	119
Count	BA = 120.00	T/A = 122.033								30	30	120	119
PLOT	BA = 160.00	T/A = 180.437								4,765	4,765	19,353	19,219
0308 0001 B11 DF T 2	11.2 4 86 G	49 89	1xx	30						19	19	81	80
Count	BA = 40.00	T/A = 58.404								19	19	81	80
0002 B11 DF L 6	13.4 4 86 G	60 97	1xx	30						30	30	120	119
Count	BA = 120.00	T/A = 122.033								30	30	120	119
PLOT	BA = 160.00	T/A = 180.437								4,765	4,765	19,353	19,219
0309 0001 B11 DF T 1	11.0 4 87 G	37 65		113 38		.920	.505 10.67	6.15		14	14	60	60
	BA = 20.00	T/A = 30.305								14	14	60	60
0002 B11 DF T 1	11.0 4 86 G	57 114		113 38 1		.920	.505 10.99	7.57		15	15	70	70
	BA = 20.00	T/A = 30.305		214 20		.920	.505 7.57	6.23		5	5	20	20
0003 B11 DF L 1	15.0 4 87 G	67 96		113 40		.920	.505 14.80	9.81		20	20	90	90
	BA = 20.00	T/A = 16.297		214 26		.920	.505 9.81	6.28		30	30	120	120
0004 B11 DF L 1	14.0 4 86 G	60 90		113 40 1		.920	.505 13.89	8.85		8	8	30	30
	BA = 20.00	T/A = 18.709		214 18		.920	.505 8.85	6.44		39	39	150	150
0005 B11 DF L 1	13.0 4 87 G	56 88		113 40		.920	.505 12.79	8.24		25	25	90	90
	BA = 20.00	T/A = 21.698		214 16		.920	.505 8.24	6.16		5	5	20	20
0006 B11 DF T 1	13.0 4 86 G	57 91		113 40		.920	.505 12.90	8.24		30	30	110	110
	BA = 20.00	T/A = 21.698		214 16		.920	.505 8.24	6.31		23	23	90	90
0007 B11 DF T 1	9.0 4 85 G	39 78		113 38		.920	.505 9.10	6.33		4	4	20	20
	BA = 20.00	T/A = 45.271								27	27	110	110
0008 B11 DF L 1	14.0 4 85 G	68 104		113 40		.920	.505 14.06	9.17		12	12	60	60
	BA = 20.00	T/A = 18.709		214 26		.920	.505 9.17	6.44		12	12	60	60
0009 B11 DF T 1	15.0 4 85 G	59 84		113 40 1		.920	.505 14.96	9.15		39	39	150	150
	BA = 20.00	T/A = 16.297		214 18 1		.920	.505 9.15	6.26		30	30	120	110
0010 B11 DF L 1	12.0 4 85 G	57 101		113 40		.920	.505 12.04	7.79		6	6	20	20
	BA = 20.00	T/A = 25.465		214 16		.920	.505 7.79	6.34		36	36	140	130
0011 B11 DF L 1	13.0 4 86 G	57 91		113 40		.920	.505 12.90	8.24		21	21	70	70
	BA = 20.00	T/A = 21.698		214 16		.920	.505 8.24	6.31		4	4	20	20
PLOT	BA = 220.00	T/A = 266.452								25	25	90	90
										23	23	90	90
										4	4	20	20
										27	27	110	110
										6,477	6,477	26,305	26,142
0310 0001 B11 DF L 1	14.0 4 85 G	57 86		113 40 1		.920	.505 13.97	8.59		25	25	90	90
	BA = 20.00	T/A = 18.709		214 16		.920	.505 8.59	6.28		4	4	20	20
0002 B11 DF L 1	16.0 4 89 G	67 91		113 40		.920	.505 15.52	10.52		30	30	110	110
	BA = 20.00	T/A = 14.324		214 26 1		.920	.505 10.52	6.24		35	35	150	150
0003 B11 SN 1	13.0 4 86 0	78 78				.944	.532			10	10	30	30
	BA = 20.00	T/A = 21.698								45	45	180	180
0004 B11 DF L 1	15.0 4 86 G	61 87		113 40		.920	.505 14.86	9.37		30	30	120	120
	BA = 20.00	T/A = 16.297		214 18 4		.920	.505 9.37	6.62		6	6	20	20
0005 B11 DF L 1	13.0 4 86 G	58 92		113 40 1		.920	.505 12.91	8.30		36	36	140	140
	BA = 20.00	T/A = 21.698		214 16 1		.920	.505 8.30	6.44		23	23	90	90
0006 B11 DF L 1	11.0 4 86 G	60 120		113 40		.920	.505 11.01	7.55		4	4	20	20
	BA = 20.00	T/A = 30.305		214 18		.920	.505 7.55	6.44		27	27	110	110
										19	19	70	70
										4	4	20	20
										23	23	90	90

TWP	RGE	SC	TRACT		TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt							
10S	06W	30	A3-BT		00PC	36.00	20	79	5/1/2021	S	W							
Tree	No.	PF	A	Spe	S	T	Bole Tot.	S	Dia	Dia	Gross	Net	Gross	Net				
Plot							Hgt Hg' PRDVT	SG Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt	
0310	0007 B11 BM				1	11.0 4 87	G	31 49	11K	30	.953 .545	10.94	6.67	11	11	40	40	
						BA = 20.00		T/A = 30.305						11	11	40	40	
PLOT						BA = 140.00		T/A = 153.336						3,402	3,402	13,244	13,244	
0311	0001 B11 DF L	6			6	13.4 4 86	G	60 97	1xx	30				30	30	120	119	
	Count					BA = 120.00		T/A = 122.033						30	30	120	119	
	0002 B11 DF T	4			4	11.2 4 86	G	49 89	1xx	30				19	19	81	80	
	Count					BA = 80.00		T/A = 116.809						19	19	81	80	
PLOT						BA = 200.00		T/A = 238.842						5,884	5,884	24,072	23,886	
0312	0001 B11 DF T	1			1	12.0 4 86	G	41 67	113	40	1	.920 .505	11.75	6.44	17	17	60	60
						BA = 20.00		T/A = 25.465						17	17	60	60	
	0002 B11 DF L	1			1	13.0 4 86	G	57 91	113	40		.920 .505	12.90	8.24	23	23	90	90
						BA = 20.00		T/A = 21.698	214	16		.920 .505	8.24	6.31	4	4	20	20
	0003 B11 DF L	1			1	13.0 4 86	G	58 92	113	40		.920 .505	12.91	8.30	27	27	110	110
						BA = 20.00		T/A = 21.698	214	18		.920 .505	8.30	6.18	23	23	90	90
	0004 B11 DF L	1			1	14.0 4 86	I	52 104	113	38	1	.920 .505	13.95	9.44	5	5	20	20
						BA = 20.00		T/A = 18.709	214	12		.920 .505	9.44	8.28	28	28	110	110
	0005 B11 DF T	1			1	14.0 4 86	G	65 98	113	40	1	.920 .505	13.93	9.12	26	26	110	110
						BA = 20.00		T/A = 18.709	214	24		.920 .505	9.12	6.30	5	5	20	20
	0006 B11 DF T	1			1	12.0 4 85	G	58 103	113	40	1	.920 .505	12.04	7.83	31	31	130	130
						BA = 20.00		T/A = 25.465	214	18		.920 .505	7.83	6.25	27	27	120	110
	0007 B11 DF L	1			1	12.0 4 86	G	57 99	113	40	1	.920 .505	11.94	7.84	8	8	30	30
						BA = 20.00		T/A = 25.465	214	16		.920 .505	7.84	6.34	35	35	150	140
	0008 B11 DF L	1			1	16.0 4 86	G	65 90	113	40		.920 .505	15.87	10.11	21	21	70	70
						BA = 20.00		T/A = 14.324	214	24		.920 .505	10.11	6.25	4	4	20	20
	0009 B11 DF T	1			1	10.0 4 87	G	47 94	113	40		.920 .505	9.91	6.79	25	25	90	90
						BA = 20.00		T/A = 36.669						19	19	70	70	
	0010 B11 DF L	1			1	13.0 4 86	G	61 98	113	40		.920 .505	12.93	8.46	22	22	90	90
						BA = 20.00		T/A = 21.698	214	20		.920 .505	8.46	6.32	35	35	150	150
PLOT						BA = 200.00		T/A = 229.899						9	9	30	30	
														44	44	180	180	
														13	13	60	60	
														13	13	60	60	
														23	23	90	90	
														5	5	20	20	
														28	28	110	110	
														5,772	5,772	23,289	23,102	
0313	0001 B11 DF T	2			2	11.2 4 86	G	49 89	1xx	30				19	19	81	80	
	Count					BA = 40.00		T/A = 58.404						19	19	81	80	
	0002 B11 DF L	6			6	13.4 4 86	G	60 97	1xx	30				30	30	120	119	
	Count					BA = 120.00		T/A = 122.033						30	30	120	119	
PLOT						BA = 160.00		T/A = 180.437						4,765	4,765	19,353	19,219	
0314	0001 B11 DF T	6			6	11.2 4 86	G	49 89	1xx	30				19	19	81	80	
	Count					BA = 120.00		T/A = 175.213						19	19	81	80	
	0002 B11 DF L	6			6	13.4 4 86	G	60 97	1xx	30				30	30	120	119	
	Count					BA = 120.00		T/A = 122.033						30	30	120	119	
PLOT						BA = 240.00		T/A = 297.246						7,003	7,003	28,791	28,554	
0315	0001 B11 DF L	1			1	13.0 4 87	G	64 102	113	40		.920 .505	12.85	8.66	23	23	90	90
						BA = 20.00		T/A = 21.698	214	24		.920 .505	8.66	6.21	7	7	30	30
	0002 B11 DF L	1			1	10.0 4 86	G	46 92	113	40		.920 .505	9.98	6.72	29	29	120	120
						BA = 20.00		T/A = 36.669						13	13	60	60	
														13	13	60	60	

TREE SEGMENT VOLUMES

Project: OLD FORT

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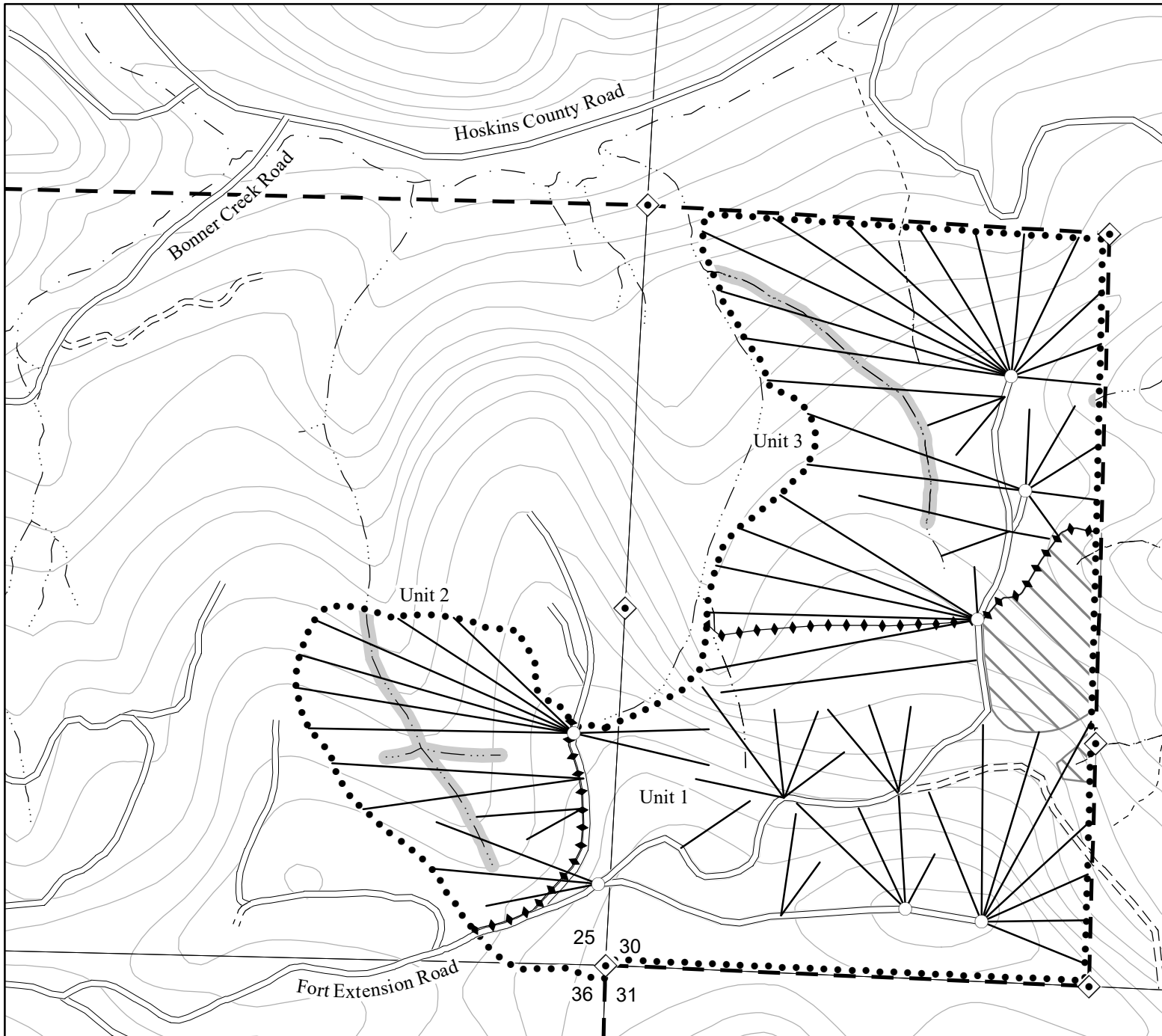
Project: OLD FORI																								Date	6/7/2021	
TWP	RGE	SC	TRACT		TYPE		ACRES		PLOTS		TREES		CRUISED DATE		CuFt	BdFt										
10S	06W	30	A3-BT		00PC		36.00		20		79		5/1/2021		S	W										
Tree				C		T		Bole Tot.		S		Dia		Dia		Gross	Net	Gross	Net							
Plot	No.	PF	A	Spec	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	BdFt		
0315	0003	B11	DF	L	1	14.0	4	87	G	68	102			113	40		.920	.505	13.84	9.34	27	27	120	120		
						BA = 20.00				T/A = 18.709				214	28		.920	.505	9.34	6.17	9	9	30	30		
	0004	B11	DF	L	1	14.0	4	86	G	63	95			113	40		.920	.505	13.91	9.02	36	36	150	150		
						BA = 20.00				T/A = 18.709				214	20		.920	.505	9.02	6.58	27	27	120	120		
																					6	6	20	20		
	0005	B11	DF	T	1	10.0	4	86	G	56	112			113	40		.920	.505	10.04	7.05	34	34	140	140		
						BA = 20.00				T/A = 36.669				214	16		.920	.505	7.05	6.35	16	16	70	70		
																					4	4	20	20		
	0006	B11	DF	L	1	16.0	4	86	G	68	94			113	40		.920	.505	15.90	10.29	20	20	90	90		
						BA = 20.00				T/A = 14.324				213	26		.920	.505	10.29	6.44	35	35	150	150		
																					10	10	30	30		
	0007	B11	SN		1	9.0	4	86	G	35	35						.944	.532			45	45	180	180		
						BA = 20.00				T/A = 45.271																
	0008	B11	DF	L	1	14.0	4	86	G	68	103			113	40	1	.920	.505	13.95	9.25	27	27	120	110		
						BA = 20.00				T/A = 18.709				214	28		.920	.505	9.25	6.18	9	9	30	30		
PLOT						BA = 160.00				T/A = 210.758											36	36	150	140		
																					4,465	4,465	18,914	18,727		
0316	0001	B11	DF	L	6	13.4	4	86	G	60	97			1xx	30						30	30	120	119		
			Count			BA = 120.00				T/A = 122.033											30	30	120	119		
	0002	B11	DF	T	2	11.2	4	86	G	49	89			1xx	30						19	19	81	80		
			Count			BA = 40.00				T/A = 58.404											19	19	81	80		
	0003	B11	CH		1	12.0	4	87	G	31	44			1xx												
			Count			BA = 20.00				T/A = 25.465																
PLOT						BA = 180.00				T/A = 205.902											4,765	4,765	19,353	19,219		
0317	0001	B11	DF	L	6	13.4	4	86	G	60	97			1xx	30						30	30	120	119		
			Count			BA = 120.00				T/A = 122.033											30	30	120	119		
	0002	B11	CH		1	12.0	4	87	G	31	44			1xx												
			Count			BA = 20.00				T/A = 25.465																
	0003	B11	DF	T	3	11.2	4	86	G	49	89			1xx	30						19	19	81	80		
			Count			BA = 60.00				T/A = 87.607											19	19	81	80		
PLOT						BA = 200.00				T/A = 235.104											5,324	5,324	21,712	21,553		
0318	0001	B11	DF	T	1	8.0	4	86	G	26	52			114	20		.920	.505	7.86	6.03	5	5	20	20		
						BA = 20.00				T/A = 57.296											5	5	20	20		
	0002	B11	DF	L	1	15.0	4	87	G	74	107			113	40		.920	.505	14.85	10.12	32	32	150	150		
						BA = 20.00				T/A = 16.297				213	32		.920	.505	10.12	6.44	12	12	50	50		
	0003	B11	DF	L	1	12.0	4	86	G	59	103			113	40		.920	.505	11.96	7.93	44	44	200	200		
						BA = 20.00				T/A = 25.465				214	18		.920	.505	7.93	6.34	19	19	70	70		
																					4	4	20	20		
	0004	B11	DF	T	1	12.0	4	86	G	60	105			113	40	1	.920	.505	11.96	7.97	23	23	90	90		
						BA = 20.00				T/A = 25.465				214	20		.920	.505	7.97	6.25	19	19	70	70		
																					5	5	20	20		
	0005	B11	DF	T	1	12.0	4	86	G	59	103			113	40		.920	.505	11.96	7.93	23	23	90	90		
						BA = 20.00				T/A = 25.465				214	18		.920	.505	7.93	6.34	19	19	70	70		
																					4	4	20	20		
	0006	B11	DF	L	1	12.0	4	86	G	61	107			113	40		.920	.505	11.97	8.01	23	23	90	90		
						BA = 20.00				T/A = 25.465				214	18		.920	.505	8.01	6.53	20	20	90	90		
																					5	5	20	20		
	0007	B11	DF	T	1	13.0	4	86	G	61	98			113	40		.920	.505	12.93	8.46	25	25	110	110		
						BA = 20.00				T/A = 21.698				214	20	1	.920	.505	8.46	6.32	23	23	90	90		
																					5	5	20	20		
	0008	B11	DF	T	1	9.0	4	83	G	38	76			113	38	2	.920	.505	9.22	6.15	28	28	110	110		
						BA = 20.00				T/A = 45.271											12	12	60	60		
																					12	12	60	60		

TREE SEGMENT VOLUMES

Project: OLD FORT

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Date 6/7/2021

TWP	RGE	SC	TRACT				TYPE				ACRES				PLOTS				TREES				CRUISED DATE				CuFt	BdFt	
10S	06W	30	A3-BT				00PC				36.00				20				79				5/1/2021				S	W	
Tree		C				T				Bole Tot.				S				Dia				Dia				Gross	Net	Gross	Net
Plot	No.	PF	A	Spc	S	T	DBH	FF	FF	D	Hgt	Hg	PRDVT	SG	Len	FIFI	Bark	Ao	Butt	Top	CuFt	CuFt	BdFt	Net					
0318	0009	B11	DF	L	1		14.0	4	86	G	66	100		113	40		.920	.505	13.94	9.17	27	27	120	120					
							BA = 20.00				T/A = 18.709				214	24	1	.920	.505	9.17	6.44	8	8	30	30				
	0010	B11	DF	T	1		13.0	4	86	G	63	101		113	40		.920	.505	12.95	8.55	35	35	150	150					
							BA = 20.00				T/A = 21.698				214	24		.920	.505	8.55	6.09	23	23	90	90				
	0011	B11	DF	T	1		12.0	4	86	G	51	87		113	38		.920	.505	11.89	7.69	29	29	120	120					
							BA = 20.00				T/A = 25.465				214	14	1	.920	.505	7.69	6.08	18	18	70	70				
	0012	B11	DF	L	1		15.0	4	87	G	64	91		113	38		.920	.505	14.78	9.87	21	21	90	90					
							BA = 20.00				T/A = 16.297				214	24		.920	.505	9.87	6.44	29	29	110	110				
	0013	B11	DF	T	1		13.0	4	86	G	60	96		113	40	4	.920	.505	12.92	8.41	36	36	140	140					
							BA = 20.00				T/A = 21.698				214	18	1	.920	.505	8.41	6.44	23	23	90	80				
	0014	B11	DF	L	1		13.0	4	86	G	65	105		113	40		.920	.505	12.96	8.63	28	28	110	100					
							BA = 20.00				T/A = 21.698				214	20	1	.920	.505	8.63	6.76	23	23	90	90				
	0015	B11	DF	T	1		11.0	4	85	G	46	90		113	34	1	.920	.505	10.99	7.35	28	28	110	110					
							BA = 20.00				T/A = 30.305				214	14		.920	.505	7.35	6.07	14	14	60	60				
	PLOT						BA = 300.00				T/A = 398.291												3	3	20	20			
																						17	17	80	80				
																						8,669	8,669	36,367	36,150				
TYPE						BA = 184.00				T/A = 222.268												5,121	5,121	20,857	20,708				



Legend

- Timber Sale Boundary
- Area Boundary
- State Forest Property Boundary
- Stream Buffer**
- Posted
- Non Posted
- No Harvest Slope Buffer
- Road**
- Paved
- Surfaced
- Unsurfaced
- Stream**
- Type F Stream
- Type N Stream
- Unknown
- Survey Monument
- Landing
- Cable Corridor

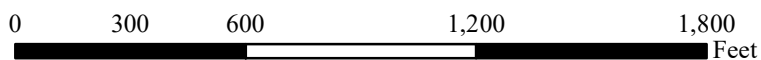
LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2022-W00904-01
 OLD FORT COMBO
 PORTIONS OF SECTION 25 & 36, T10S, R07W &
 PORTIONS OF SECTION 30, T10S, R06W, W.M.,
 BENTON COUNTY, OREGON

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Scale

1:6,000



	GROSS AREA	NET ACRES	ACRES
1 (MC)	52	42	
2 (PC)	18	16	
3 (PC)	38	36	
TOTAL	108	94	



Date: 06/24/2021