

District: West Oregon Date: June 23, 2022

## **Cost Summary**

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$543,250.72	\$0.00	\$543,250.72
		Project Work:	(\$67,744.00)
		Advertised Value:	\$475,506.72

7/25/22



# Timber Sale Appraisal Beaver Believer Thin

### Sale WO-341-2023-W00993-01

District: West Oregon Date: June 23, 2022

### **Timber Description**

Location: Portions of Section 20, T11S, R09W, W.M. Lincoln County, Oregon

Stand Stocking: 40%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)		
Douglas - Fir	12	0	97		

Volume by Grade	28	3S & 4S 6"- 11"	Total
Douglas - Fir	38	1,578	1,616
Total	38	1,578	1,616

**Comments:** Pond Values Used: Local Pond Values, May, 2022

Other Conifers Stumpage Price = Conifer Pulp price using a conversion factor of 10 ton/MBF = \$50.00/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost: \$506.17/MBF = \$1,280/MBF - (\$623.83/MBF + \$150/MBF(Extra Haul Cost))

Red Alder Stumpage Price = Pond Value minus Logging Cost:

46.17/MBF = 670.00/MBF - 623.83/MBF

Bigleaf maple and Other Hardwoods Stumpage Price = Hardwood Pulp price using a conversion factor of 10 ton/MBF = \$25.00/MBF

PULP (Conifer and Hardwood Price) = \$5.00/TON

Other Costs (with Profit & Risk to be added): Intermediate Support/Tail Trees: 23 supports @ \$100/support = \$2,300 Artificial anchor (dead man): 4 anchors @ \$500/anchor = \$2,000 TOTAL Other Costs (with Profit & Risk to be added) = \$4,300

Other Costs (No Profit & Risk added):

Equipment Cleaning (Invasive Species): \$2,000

Water Bar and Block Dirt Roads: 25 Stations @ \$17.56/Station = \$439

Landing Slash piling: 7 Landings @ \$120/Landing = \$840

Landing Slash Piling and sorting out firewood: 11 Landings @ \$200/Landing = \$2,200

TOTAL Other Costs (No Profit & Risk added) = \$5,479

ROAD MAINTENANCE Move-in: (Grader) \$875

Final Road Maintenance: \$18,106.10

TOTAL Road Maintenance: \$18,981.10/1,616MBF = \$11.75/MBF

7/25/22



# Timber Sale Appraisal Beaver Believer Thin

### Sale WO-341-2023-W00993-01

District: West Oregon Date: June 23, 2022

**Logging Conditions** 

Combination#: 1 Douglas - Fir 26.57%

yarding distance: Short (400 ft) downhill yarding: No

tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day: 5.5 bd. ft / load: 3500

cost / mbf: \$326.34

machines: Log Loader (A)

Stroke Delimber (A)
Tower Yarder (Large)

Combination#: 2 Douglas - Fir 70.75%

yarding distance: Medium (800 ft) downhill yarding: No

tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day: 5 bd. ft / load: 3500

cost / mbf: \$358.97

machines: Log Loader (A)

Stroke Delimber (A) Tower Yarder (Large)

Tower raider (Earge)

Combination#: 3 Douglas - Fir 2.68%

yarding distance: Long (1,500 ft) downhill yarding: No

tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day: 4 bd. ft / load: 3500

cost / mbf: \$448.71

machines: Log Loader (A)

Stroke Delimber (A)
Tower Yarder (Large)



District: West Oregon Date: June 23, 2022

## **Logging Costs**

**Operating Seasons:** 3.00

Profit Risk: 12%

**Project Costs:** \$67,744.00

Other Costs (P/R): \$4,300.00

Slash Disposal: \$0.00

Other Costs: \$5,479.00

#### Miles of Road

Road Maintenance:

\$11.75

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

### **Hauling Costs**

Species	\$/MBF	Trips/Day	MBF / Load	
Douglas - Fir	\$0.00	2.0	3.5	



District: West Oregon Date: June 23, 2022

## **Logging Costs Breakdown**

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas -	Fir								
\$352.70	\$12.10	\$8.15	\$176.57	\$2.66	\$66.26	\$0.00	\$2.00	\$3.39	\$623.83

Specie	Amortization	Pond Value	Stumpage	Amortized	
Douglas - Fir	\$0.00	\$960.00	\$336.17	\$0.00	



District: West Oregon Date: June 23, 2022

### **Summary**

#### Amortized

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

#### Unamortized

Specie	MBF	Value	Total		
Douglas - Fir	1,616	\$336.17	\$543,250.72		

### **Gross Timber Sale Value**

**Recovery:** \$543,250.72

Prepared By: Zane Sandborg Phone: 541-929-3266

### **SUMMARY OF ALL PROJECT COSTS**

Sale Name:	Beaver Believer Thin		Date: Time:	July 2022 10:56
Project #1 - New C	<u>onstruction</u>			
Road Segment		<u>Length</u>	Cost	
A to B		3.4 sta	\$1,615	
C to D		5.9 sta	\$3,363	
E to F		4.1 sta	\$1,347	
Fuel Cost Increase	(10%)		\$633	
	TOTALS	13.4 sta	\$6,958	_
Project #2 - Improv	<u>rements</u>			
Road Segment		<u>Length</u>	Cost	
1 to 2		337.0 sta	\$12,369	
C to 3		8.4 sta	\$128	
4 to 5		3.8 sta	\$203	
6 to 7		22.8 sta	\$7,096	
12 to 13		21.1 sta	\$10,253	
14 to 15		3.7 sta	\$2,925	
16 to 17		3.5 sta	\$790	
18 to 19		160.5 sta	\$13,184	
Fuel Cost Increase	(10%)		\$4,695	
	TOTALS	560.8 sta	\$51,643	_
			<b>4</b> 00,000	
Project #3 - Brushi	<u>ng</u>	<u>Length</u>	Cost	
Brushing		1.68 mi	\$1,758	
Sod and Brush Rem		1.68 mi	\$1,366	
Fuel Cost Increase			\$312	_
	TOTAL		\$3,436	
Project #4 - Move i	n		<u>Cost</u>	
Excavator, C325 or			\$1,450	
(extra move-in co	•		\$150	
Grader, Cat 14-G or	· · · · ·		\$875	
(extra move-in co			\$30	
Dozer, D6 or equiv.			\$875	
(extra move-in co	ost)		\$130	
Vibratory roller	,		\$875	
(extra move-in co	ost)		\$25	
Road brusher	,		\$778	
Fuel Cost Increase	(10%)		\$519	
	TOTAL		\$5,707	-
			T - 1	

GRAND TOTAL \$67,744

Compiled by: Zane Sandborg Date 07/25/2022

SALE Beaver Believer Thin ROAD A to B	Project #	1	LENGTH	const			3.4 sta
CLEARING AND GRUBBING			<u>Rate</u>				
Road and Landing	0.2 ac	@	\$1,337.00	/ac	=	\$267	
		TOTAL	CLEARING	AND GF	RUBBING	G COST =	\$267
EXCAVATION			Rate				
Construct road	3.4 sta	@	\$138.00	/sta	=	\$469	
Construct landing	1 ldg	@	\$438.00	/ldg	=	\$438	
Shape subgrade	3.4 sta	@	\$20.63	/sta	=	\$70	
(with road grader)		_					
Compact subgrade (with vibratory roller)	3.4 sta	@	\$16.00	/sta	=	\$54	
(with vibratory folier)							
			TOTA	AL EXC	OITAVA	N COST =	\$1,031
SURFACING		<u>Size</u>	Rate				
Transition rock	10 CY	Jaw-Run @	\$29.93	/CY	=	\$299	
(Sta. 0+00 to 0+50)							
Process surface (Sta. 0+00 to 0+50) (with road grader)	0.5 sta	@	\$20.63	/sta	=	\$10	
Compact surface (Sta. 0+00 to 0+50)	0.5 sta	@	\$16.00	/sta	=	\$8	
(with vibratory roller)				TOT	AL ROC	COST =	\$317
Compiled by:	Zane Sandborg						
Date:	Jul 25, 2022			GRAN	D TOTA	L ====>	\$1,615

SALE ROAD	Beaver Believer Thin C to D	Project #		1	LENGTH	const	t		5.9 sta
_	<b>NG AND GRUBBING</b> d Landing	0.42 ac		@	<u>Rate</u> \$1,337.00	) /ac	=	\$562	
			TOTA	AL C	LEARING A	ND G	RUBBI	NG COST =	\$562
EXCAVA	ATION				Rate				
_	et road (balanced)	3.1 sta		@	\$138.00	/sta	=	\$428	
	ct road (drift)	2.8 sta		@	\$214.00		=	\$599	
Curve w	idening (w/ dozer) 00 to Sta. 1+15)	2 hrs		@	\$128.00		=	\$256	
Construc	ct Landing 15 & Pt. D)	2 ldgs		@	\$438.00	/ldgs	=	\$876	
•	rea compaction	130 CY		@	\$0.45	/CY	=	\$59	
	ct turnaround (w/ dozer)	1 TA		@	\$50.00	/TA	=	\$50	
Shape s	•	5.9 sta		@	\$20.63	/sta	=	\$122	
Compac	d grader) t subgrade ratory roller)	5.9 sta		@	\$16.00	/sta	=	\$94	
					TOTA	L EXC	AVATI	ON COST =	\$2,484
SURFAC	CING		Size		Rate				
Transitio		10 CY	Jaw-Run	@		/CY	=	\$299	
Process	surface (Sta. 0+00 to 0+50) d grader)	0.5 sta		@	\$20.63	/sta	=	\$10	
Compac	t surface (Sta. 0+00 to 0+50) ratory roller)	0.5 sta		@	\$16.00	/sta	=	\$8	
(WIGH VID	idiory rollory					TOT	AL RO	OCK COST =	\$317
Compile Date:	d by:	Zane Sandborg Jul 25, 2022				GRAN	ID TO	ΓAL ====>	\$3,363

SALE ROAD	Beaver Believer Thin E to F	Project #	1	LENGTH	const	t		4.1 sta
_	NG AND GRUBBING d Landings	0.28 ac	@	Rate \$1,337.00	/ac	=	\$374	
			TOTAL CI	_EARING AN	ND G	RUBBIN	NG COST =	\$374
EXCAV	ATION			Rate				
Construc	ct road	4.1 sta	@	\$138.00	/sta	=	\$566	
Construc	ct landing (w/ dozer)	2 hrs	@	\$128.00	/hr	=	\$256	
Shape s (with roa	ubgrade ad grader)	4.1 sta	@	\$20.63	/sta	=	\$85	
-	t subgrade ratory roller)	4.1 sta	@	\$16.00	/sta	=	\$66	
				TOTAL	. EXC	AVATIO	ON COST =	\$973
Compile	d bv.	Zane Sandborg						
Date:	~ ~j.	Jul 25, 2022		(	GRAN	ID TOT	AL ====>	\$1,347

SALE ROAD	Beaver Believer Thin 1 to 2 Deer C	Project # reek, Baber Ridge a	nd So. Beav		LENGTH oads.	impr	ove		337.0 sta
(Sta. 259	EMENT road cutting 0+40 to Sta. 262+60 2 to Pt. 2)	2 hrs		@	<u>Rate</u> \$45.00	/hr	=	\$90	
Daylight (Sta. 259	road clearing (w/ C325) 0+40 to Sta. 262+60) 2 to Pt. 2)	3 hrs		@	\$145.00	/hr	=	\$435	
Establish	i ditch (w/ grader) i+15 to Pt. C)	1.2 sta		@	\$44.00	/sta	=	\$53	
Process (Spot roo	surface (w/ grader)	68.0 sta		@	\$20.63	/sta	=	\$1,403	
Compact (Spot roc	surface (w/ roller) k and	68.0 sta		@	\$16.00	/sta	=	\$1,088	
Sta. 269-	+45 to 330+10)				TOTAL	IMPRO	OVEME	ENT COST =	\$3,069
SURFACE Spot rock Landing		220 CY 40 CY	<u>Size</u> 1½"-0" Jaw-Run	@	Cost/yd \$32.29 \$29.93	/CY /CY	=	\$7,104 \$1,197	
						тот	AL RC	OCK COST =	\$8,301
Install cu Culvert 1 (Sta. 315 Bedding		1.5 hrs 30 ft 1 hr 10 CY	<u>Size</u>	0 0 0 0	Rate \$145.00 \$13.75 \$45.00 \$32.29	/hr /ft /hr /CY	= = =	\$218 \$413 \$45 \$323	
				TC	TAL SPEC	IAL P	ROJEC	CTS COST =	\$999
Compiled Date:	d by:	Zane Sandborg Jul 25, 2022				GRAN	ND TO	TAL ====> :	\$12,369

SALE Beaver Believer Thin Project # 2 LENGTH improve 8.4 sta

ROAD C to 3

IMPROVEMENT Rate

Re-open landing (w/ dozer) 1 hr @ \$128.00 /hr = \$128

TOTAL IMPROVEMENT COST = \$128

Compiled by: Zane Sandborg

Date: Jul 25, 2022 **GRAND TOTAL =====> \$128** 

**GRAND TOTAL ====> \$203** 

SALE Beaver Believer Thin Project # 2 LENGTH improve 3.8 sta ROAD 4 to 5 **IMPROVEMENT** Rate Re-open road (w/ dozer) 3.8 sta @ \$36.67 /sta = \$139 Re-open landing 0.5 hrs \$128.00 /hr \$64 (Pt. 5) TOTAL IMPROVEMENT COST = \$203 Compiled by: Zane Sandborg

Jul 25, 2022

Date:

SALE ROAD	Beaver Believer 6 to 7	Project #		2	LENGTH	const	t		22.8 sta
(From Pt	ATION e rounding (w/ C325) a. 8 to Sta. 12+85) a slope material (exp 20%)	4.0 sta 20 CY		@	Rate \$49.00 \$2.00	/sta /CY L EXC	= = AVATI	\$196 \$40 ION COST =	\$236
Daylight Process (with road Compact	road cutting road clearing (w/ C325) surface d grader)	3 hrs 2 hrs 22.8 sta 22.8 sta		0 0 0	Rate \$45.00 \$145.00 \$20.63 \$16.00	/hr /hr /sta /sta	= = =	\$135 \$290 \$470 \$365	
SURFAC Spot rock Landing (Sta. 12+	k	90 CY 90 CY	<u>Size</u> 1½"-0" Jaw-Run	@ @	Rate \$32.29 \$29.93	/CY /CY	= =	\$2,906 \$2,694 OCK COST =	\$1,260 \$5,600
Compiled Date:	d by:	Zane Sandborg May 2, 2022				GRAN	ID TO	TAL ====>	\$7,096

SALE ROAD	Beaver Believer Thin 12 to 13	Project #		2	LENGTH	impro	ove		21.1 sta
EXCAV	ATION				Rate				
Widen c (Pt. 12)	urve (w/C325)	1 hr		@	\$145.00	/hr	=	\$145	
	e road berm (w/C325)	1 hr		@	\$145.00	/hr	=	\$145	
	l berm material (exp 20%)	20 CY		@	\$2.00	/CY	=	\$40	
Cut slop	e rounding (w/ C325) o Sta. 15+80)	4 sta		@	\$49.00	/sta	=	\$196	
•	ll slope material (exp 20%)	20 CY		@	\$2.00	/CY	=	\$40	
Shape s (with roa	ubgrade ad grader)	0.5 sta		@	\$20.63	/sta	=	\$10	
Compac	et subgrade ratory roller)	0.5 sta		@	\$16.00	/sta	=	\$8	
					тоти	AL EX	CAVAT	TION COST=	\$584
IMPROV	/FMFNT				<u>Rate</u>				
	road cutting	2 hrs		@	\$45.00	/hr	=	\$90	
	road clearing (w/ C325)	2 hrs		@	\$145.00		=	\$290	
	surface (Sta. 0+00 to 0+50)	21.1 sta		@	\$20.63	/sta	=	\$435	
(with roa	nd grader)								
	et surface (Sta. 0+00 to 0+50) ratory roller)	21.1 sta		@	\$16.00	/sta	=	\$338	
					TOTAL	IMPR	OVEM	ENT COST=	\$1,153
SURFAC	CING		Size		<u>Rate</u>				
Spot roc		50 CY	<u>3126</u> 1½"-0"	@	\$32.29	/CY	=	\$1,615	
•	idening rock	40 CY	3"-0"	@	\$30.94	/CY	=	\$1,238	
(Sta. 0+		10 0 1	0 0	Ü	φοσιστ	, .		Ψ1,200	
Shape 8	compact surface 00 to 0+50)	0.5 sta		@	\$36.63	/sta	=	\$18	
Landing (Sta. 0+9	rock	20 CY	3"-0"	@	\$30.94	/CY	=	\$619	
Landing		90 CY	Jaw-Run	@	\$29.93	/CY	=	\$2,694	
Traction (Sta. 7+8	rock 85 to Pt. 13)	60 CY	3/4"-0"	@	\$32.29	/CY	=	\$1,937	
Compac	t surface 85 to Pt. 13)	6 sta		@	\$16.00	/sta	=	\$96	
Surface	widening rock +70/Pt. 14)	10 CY	Jaw-Run	@	\$29.93	/CY	=	\$299	
`	,					ТОТ	AL RO	OCK COST =	\$8,516
Compile Date:	d by:	Zane Sandborg Jul 25, 2022				GRAN	ID TO	TAL ====>	\$10,253

SALE Beaver B ROAD 14 to 15	eliever Thin	Project #		2	LENGTH	impro	ove		3.7 sta
EXCAVATION  Re-construct Landir (Pt. 15)	ng (w/C325)	0.5 hrs		@	<u>Rate</u> \$145.00	/hr	=	\$73	
Shape subgrade (Powith road grader)	t. 15)	0.5 sta		@	\$20.63	/sta	=	\$10	
Compact subgrade (with vibratory roller	` '	0.5 sta		@	\$16.00	/sta	=	\$8	
(Will Vibratory Tollor	,				TOTAL C	ONST	RUC	ΓΙΟΝ COST =	\$91
IMPROVEMENT					Rate				
Re-open road (w/ gr	rader)	3.7 sta		@	\$15.40	/sta	=	\$57	
Re-open landing (w (Sta. 1+80)	/ grader)	0.5 hrs		@	\$114.00	/hr	=	\$57	
Daylight road cutting	g	0.5 hrs		@	\$45.00	/hr	=	\$23	
Daylight road clearing	ng (w/ C325)	0.5 hrs		@	\$145.00	/hr	=	\$73	
					TOTAL	IMPRO	OVEM	IENT COST =	\$210
SURFACING			<u>Size</u>		<u>Rate</u>				
Surface rock (2" lift)	)	40 CY	1½"-0"	@	\$32.29	/CY	=	\$1,292	
Landing rock (Sta. 1+80 & Pt. 15)	)	40 CY	Jaw-Run	@	\$29.93	/CY	=	\$1,197	
Process surface (with road grader)		3.7 sta		@	\$20.63	/sta	=	\$76	
Compact surface (with vibratory roller	•)	3.7 sta		@	\$16.00	/sta	=	\$59	
(With Vibratory Polici	,					тот	AL R	OCK COST =	\$2,624
Compiled by: Date:		Zane Sandborg Jul 25, 2022				GRAN	ND TO	)TAL ====>	\$2,925

SALE ROAD	Beaver Believer Thin 16 to 17	Project #		2	LENGTH	impro	ove		3.5 sta
<b>CLEARI</b> Landing	NG AND GRUBBING	0.06 ac		@	<u>Rate</u> \$1,337.00	/ac	=	\$80	
			TOT	AL C	LEARING A	ND G	RUBBII	NG COST =	\$80
EXCAVA Re-open (Pt. 17)	ATION Landing (w/ dozer)	1 hr		@	Rate \$128.00		=	\$128	0.00
					TOTA	LEXC	CAVATIO	ON COST =	\$128
IMPROV	'EMENT				<u>Rate</u>				
Re-open	road (w/ dozer)	3.5 sta		@	\$36.37	/sta	=	\$127	
Shape so (with roa	ubgrade d grader)	3.5 sta		@	\$20.63	/sta	=	\$72	
•	t subgrade ratory roller)	3.5 sta		@	\$16.00	/sta	=	\$56	
(	interior in the second				TOTAL I	MPRO	OVEME	NT COST =	\$255
SURFAC	CING		Size		Rate				
Transitio (Sta. 0+0	n rock 00 to 0+50)	10 CY	3"-0"	@	\$30.94	/CY	=	\$309	
Process	surface (Sta. 0+00 to 0+50) d grader)	0.5 sta		@	\$20.63	/sta	=	\$10	
Compac	t surface (Sta. 0+00 to 0+50) ratory roller)	0.5 sta		@	\$16.00	/sta	=	\$8	
	· · · · · ·					TOT	AL RO	CK COST =	\$327
Compile	d by:	Zane Sandborg							
Date:		Jul 25, 2022				GRAN	ND TOT	AL ====>	\$790

SALE ROAD	Beaver Believer Thin 18 to 19	Project #		2	LENGTH	impro	ve		160.5 sta
EXCAVA	ATION				Rate				
	ct waste area (w/ C325)	0.5 hr		@	\$145.00	/hr	=	\$73	
Road wid (Sta. 137	dening (w/ C325) 7+30 to 138+00 & +80 to 143+00)	2 hr		@	\$145.00	/hr	=	\$290	
Cutslope	e toe cleanout (w/ C325) 3+00 to Pt. 19)	5 hr		@	\$145.00	/hr	=	\$725	
	g end haul (exp 20%)	110 CY		@	\$2.50	/CY	=	\$275	
Fill comp (Sta. 138		0.5 sta		@	\$16.00	/sta	=	\$8	
Waste m	naterial compaction	110 CY		@	\$0.45	/CY	=	\$50	
					TOTA	L EXC	AVATI	ON COST =	\$1,421
IMPROV	'EMENT				Rate				
	sod (w/ grader) 00 to 152+70)	152.7 sta		@	\$15.40	/sta	=	\$2,352	
	road (w/ grader) 2+70 to Pt. 19)	8 sta		@	\$15.40	/sta	=	\$123	
Shape s		8 sta		@	\$20.63	/sta	=	\$165	
Compac	t subgrade ratory roller)	8 sta		@	\$16.00	/sta	=	\$128	
Process	surface (w/ grader) 3+45 to 152+70)	24.0 sta		@	\$20.63	/sta	=	\$495	
Compac	t surface (w/ roller) 3+45 to 152+70)	24.0 sta		@	\$16.00	/sta	=	\$384	
`	,				TOTAL	IMPRO	VEME	NT COST =	\$3,647
SURFAC	CING		Size		Rate				
•	10, 8+30, 20+75, 62+20,	70 CY	1½"-0"	@	\$37.78	/CY	=	\$2,645	
	04+60, 114+65)			_				<b>*</b> 0=0	
	nd compact culvert rock	7 sta 100 CY	1½"-0"	@ @	\$36.63	/sta /CY	=	\$256	
Spot roc	к 3+45 to 152+70)	100 C1	1/2 -0	w	\$37.78	/C1	=	\$3,778	
Turnout (Sta. 138	rock	20 CY	Jaw-Run	@	\$35.42	/CY	=	\$708	
Landing (Sta. 149	rock	20 CY	3"-0"	@	\$36.43	/CY	=	\$729	
(Old. 170						TOT	AL RO	CK COST =	\$8,116
Compile	d by:	Zane Sandborg							
Date:		Jul 25, 2022				GRAN	D TOT	AL ====>	\$13,184

#### **SUMMARY OF BRUSHING COST**

SALE ROAD	Beaver Believer Thin All (Surfaced	Project # I/unsurfaced)	3		LENGTH maintain		1.68 Mil	es
LIGHT E Pt. 6 to F Pt. 8 to F Pt. 10 to	Pt. 9	0.43 mi 0.06 mi 0.04 mi		@ @	Rate \$800.00 /mi = \$800.00 /mi = \$800.00 /mi =	\$344 \$48 \$32		
	TOTAL LENGTH =	0.53 mi			TOTAL LIGHT BRUSH	NG COST =	\$424	
MEDIUN Pt. C to Pt. 12 to Pt. 14 to Pt. 16 to	Pt. 13 Pt. 15	0.39 mi 0.40 mi 0.07 mi 0.06 mi		0 0 0	Rate \$1,100.00 /mi = \$1,100.00 /mi = \$1,100.00 /mi = \$1,100.00 /mi =	\$429 \$440 \$77 \$66		
	TOTAL LENGTH =	0.92 mi		T	OTAL MEDIUM BRUSHI	NG COST =	\$1,012	
HEAVY Pt. C to Pt. 4 to F		0.16 mi 0.07 mi 0.23 mi		@	Rate \$1,400.00 /mi = \$1,400.00 /mi =	\$224 \$98 NG COST =	\$322	
					BRUSHING	GRAND TOTA	L ====>	\$1,758
	ID DEBRIS REMOVAL ning segments  TOTAL LENGTH =	1.68 mi 1.68 mi		@	Rate \$813.12 /mi =	\$1,366 BRIS REMOVA	L ====>	<b>\$1,366</b>

Zane Sandborg

Jul 25, 2022

Compiled by:

Date:

#### **SUMMARY OF MAINTENANCE COST**

SALE Beaver Believer Thin Final log haul Maintenance Cost Estimate

(Costed in appraisal, not in project costs)

\$11.75

Move-in Grader \$ 875

Road Segment	Length	Cost/Sta	Cost	Mileage
1 to 2	200.0	\$20.63	\$4,126.00	3.79
6 to 7	22.8	\$20.63	\$470.36	0.43
12 to 13	21.1	\$20.63	\$435.29	0.40
14 to 15	3.7	\$20.63	\$76.33	0.07
18 to 19	160.5	\$20.63	\$3,311.12	3.04
Total	408.1		\$8,419.10	7.73

#### **Maintenance Rock:**

41/11 011		ost/CY	Cost
1½"-0"	300 \$	32.29	\$9,687.00
Grand Total			\$18,981.10
TS Volume	1,616 MB	ßF	

#### NOTES:

Cost / MBF =

#### Rock Haul Cost Computation

SALE NAME: Beaver Believer DATE: Jul 25, 2022

ROAD NAME: South Beaver Road CLASS: Medium ROCK SOURCE: Rickard Rock Quarry 10 CY truck

Route: Hwy 20, Deer Creek Road,

Baber Ridge Road, South Beaver Road

TIME Computation:

Road speed time factors:

1.	55	MPH	40.6	MRT	44.3	minutes
2.	50	MPH		MRT	0.0	minutes
3.	45	MPH		MRT	0.0	minutes
4.	40	MPH		MRT	0.0	minutes
5.	35	MPH		MRT	0.0	minutes
6.	30	MPH		MRT	0.0	minutes
7.	25	MPH		MRT	0.0	minutes
8.	20	MPH	11.6	MRT	34.8	minutes
9.	15	MPH	2.0	MRT	8.0	minutes
10.	10	MPH		MRT	0.0	minutes
11.	05	MPH		MRT	0.0	minutes

Total hauling cycle time for	this setting		
(100% efficiency)	enits secting	87.60	minutes
Operator efficiency correction Job efficiency correction	0.85 0.90		minutes minutes
Truck capacity (CY)	10.00		min/CY

0.50 minutes

0.25 min/CY Loading time, delay time per CY TIME (minutes) per cubic yard 11.70 min/CY

COST per CY computation

Dump or spread time per RT

Cost of truck and operator per hour	\$105.00	/hr.
Cost of truck and operator per minute	\$1.75	/min
Cost per CY	\$20.48	/CY

Spread and compact Water truck, Grader & Roller \$1.50 /CY

		Cost Delivered	Cost Delivered
Size	Cost/Yd (Pit)	w/o processing	with processing
3/4"-0"	\$ 11.81	\$32.29	\$33.79
1½" - 0"	\$ 11.81	\$32.29	\$33.79
3" - 0"	\$ 10.46	\$30.94	\$32.44
Jaw-Run	\$ 9.45	\$29.93	\$31.43
Pit-Run	\$ 7.76	\$28.24	\$29.74
Riprap	\$ 24.98	\$45.46	\$46.96

Note: Pit costs March, 2020 Rickard Rock Quarry Riprap costs November, 2020 Hardrock Rock Quarry

#### Rock Haul Cost Computation

SALE NAME: Beaver Believer Thin DATE: Jul 25, 2022

ROAD NAME: Updyke Road CLASS: Medium ROCK SOURCE: Rickard Rock Quarry 10 CY truck

Route: Hwy 20, Elk City Road,

Harlan County Road, Updyke County Road

TIME Computation:

Road	speed	time	factors:	•
Nuau	Speed	CTILLE	Tactors.	

1.	55	MPH	5	51.6	MRT	56.3	minutes
2.	50	MPH			MRT	0.0	minutes
3.	45	MPH			MRT	0.0	minutes
4.	40	MPH			MRT	0.0	minutes
5.	35	MPH			MRT	0.0	minutes
6.	30	MPH	2	21.4	MRT	42.8	minutes
7.	25	MPH			MRT	0.0	minutes
8.	20	MPH			MRT	0.0	minutes
9.	15	MPH		3.0	MRT	12.0	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) 111.60 minutes

Operator efficiency correction	0.85	131.29	minutes
Job efficiency correction	0.90	145.88	minutes
Truck capacity (CY)	10.00	14.59	min/CY
Loading time, delay time per CY		0.25	min/CY
TIME (minutes) per cubic yard		14.84	min/CY

COST per CY computation

Cost of truck and operator per hour	\$105.00	/hr.
Cost of truck and operator per minute	\$1.75	/min
Cost per CY	\$25.97	/CY

Spread and compact Water truck, Grader & Roller \$1.50 /CY

		Cost Delivered	Cost Delivered
Size	Cost/Yd (Pit)	w/o processing	with processing
3/4"-0"	\$ 11.81	\$37.78	\$39.28
1½" - 0"	\$ 11.81	\$37.78	\$39.28
3 <b>" -</b> 0 <b>"</b>	\$ 10.46	\$36.43	\$37.93
Jaw-Run	\$ 9.45	\$35.42	\$36.92
Pit-Run	\$ 7.76	\$33.73	\$35.23
Riprap	\$ 24.98	\$50.95	

Note: Pit costs March, 2020 Rickard Rock Quarry Riprap costs November, 2020 Hardrock Rock Quarry

#### Rock Haul Cost Computation

SALE NAME: Beaver Believer DATE: Jul 25, 2022

SALE NAME: Beaver Believer
ROAD NAME: South Beaver Road
ROCK SOURCE: Rickard Rock Quarry CLASS: Medium 18 CY truck

Route: Hwy 20, Deer Creek Road,

Baber Ridge Road, South Beaver Road

TIME Computation:

Road speed time factors:

1.	55	MPH	4	0.6	MRT	44.3	minutes
2.	50	MPH			MRT	0.0	minutes
3.	45	MPH			MRT	0.0	minutes
4.	40	MPH			MRT	0.0	minutes
5.	35	MPH			MRT	0.0	minutes
6.	30	MPH			MRT	0.0	minutes
7.	25	MPH			MRT	0.0	minutes
8.	20	MPH	1	1.6	MRT	34.8	minutes
9.	15	MPH	:	2.0	MRT	8.0	minutes
10.	10	MPH			MRT	0.0	minutes
11.	05	MPH			MRT	0.0	minutes

Dump or spread time per RT 0.50 minute	2S
--	----

Total hauling cycle time for this setting (100% efficiency) 87.60 minutes

Operator efficiency correction Job efficiency correction	0.85		minutes minutes
Truck capacity (CY)	18.00	6.36	min/CY

Loading time, delay time per CY 0.25 min/CY TIME (minutes) per cubic yard 6.61 min/CY

COST per CY computation

Cost of truck and operator per hour	\$114.00	/hr.
Cost of truck and operator per minute	\$1.90	/min

Cost per CY \$12.56 /CY

Spread and compact Water truck, Grader & Roller \$1.50 /CY

		Cost Delivered	Cost Delivered
Size	Cost/Yd (Pit)	w/o processing	with processing
1½" - 0"	\$ 11.81	\$24.37	\$25.87
3" - 0"	\$ 10.46	\$23.02	\$24.52
Jaw-Run	\$ 9.45	\$22.01	\$23.51
Pit-Run	\$ 7.76	\$20.32	\$21.82

Note: Pit costs March, 2020 Rickard Rock Quarry

#### TIMBER CRUISE REPORT

#### Beaver Believer Thin (WO-341-2023-W00993-01) FY 2023

1. Sale Area Location: Portions of Sections 20, T11S, R9W, W.M. Lincoln County, Oregon.

2. Fund Distribution:

a. Fund

BOF 100%

CSL 0%

3. Sale Acreage by Area:

Unit	Treatment	Acres Buffers Roads Th		Non- Thinnable Acres	Net Sale Acres	Acreage Comp. Method	
1	Partial Cut	98	8	2	1	87	GIS
2	Partial Cut	107	6	2	<1	99	GIS
Total		205	14	4	1	186	

- 4. Cruisers and Cruise Dates: This sale was cruised by Zane Sandborg, Jessica Westcott and Cody Valencia in May of 2022.
- 5. Cruise Method and Computation: The sale consists of two Partial Cut units that were cruised using variable radius plot sampling. The timber sale area was cruised using a basal area factor of 20. Plots were spaced on a 5x6 chain grid for both Units. On Unit 1, a total of 30 plots were taken: 21 measure plots and 9 count plots. On Unit 2, a total of 33 plots were taken: 20 measure plots and 13 count plots.

Measure plots were measured for DBH, height, form factor, grade, and defect. Data was entered into the Atterbury Super ACE cruise program to determine stand statistics and net board foot volume. Volume was removed to account for hidden defect and breakage. Volume was added to account for tree removal in Rights-of-Way and Cable Corridors.

Digital ortho photos, Lidar data, and GPS data were used to map the boundaries for the sale, and ArcPro GIS was used to determine gross and net acreage.

- 6. 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.
- 7. **Timber Description:** Timber is primarily 37 year-old Douglas-fir for Unit 1 and 33-year old Douglas-fir for Unit 2. All Units possess small amounts of bigleaf maple, red alder and Western redcedar. For Unit 1 the average Douglas-fir to be removed is approximately 12 inches DBH, with an average height of 48 feet to a merchantable top. For Unit 2, the average Douglas-fir to be removed is approximately 11 inches DBH, with an average height of 46 feet to a merchantable top. The average volume per acre to be harvested (net) is approximately 8.2 MBF for Unit 1 and 9.0 MBF for Unit 2. Conifer trees other than Douglas-fir are reserved from cutting, unless present in yarding corridors, Landings or between R/W tags.

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

Unit	Target CV	Target SE	Actual CV	Actual SE
1	40%	13%	26.1%	4.8%
2	40%	13%	24.6%	4.3%

Note: Statistics shown are for conifer and hardwood trees combined. Percentages are for net board foot volume.

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

Unit	Species	Gross Cruise Volume (MBF)	Cruised D & B	Cruised D & B (MBF)	Corridor Removal Acres	Corridor Removal Volume (MBF)	R/W Removal Volume	Hidden D & B	Hidden D & B (MBF)	Net Sale Volume
1	Douglas- fir	577	1.9%	(11)	9	151	11	1%	(7)	721
2	Douglas- fir	758	2.0%	(15)	10	161	-	1%	(9)	895
Total		1335	1.9%	(26)		312	11	1%	(16)	1616

Unit	Species	Avg. Tot. Net DBH Vol.		2-Saw	3-Saw	4-Saw	
1	Douglas-fir	10	Grade %	4%	77%	19%	
1		12	721	29	555	137	
2	Douglas-fir	11	Grade %	1%	80%	19%	
2		11	895	9	716	170	
Total	Total		1616	38	1271	307	

	- 3	
Attachments:	-Cruise	Design

- -Cruise Maps
- -Statistics
- -Species, Sort, Grade Board Foot Volume
- -Stand Table Summary
- -Log Stock Table MBF

Prepared by: Zane Sandborg

Date: 06/23/2022

Unit Forester:

olyn Hukovi

Date:

# CRUISE DESIGN WEST OREGON DISTRICT

Sa	lle Name: <u>Beaver Believer Thin</u> Unit <u>1</u>
	rvest Type: PC  Net BF  Net BF  Oprox. Cruise Acres: _87   Estimated CV% _40
Pla	anned Sale Volume: 1,576 MMBF Estimated Sale Area Value/Acre: \$2,100
Α.	<u>Cruise Goals</u> : (a) Grade minimum <u>80</u> conifer and <u>0</u> hardwood trees: (b) Sample <u>30</u> cruise plots ( 21 grade: 9 count); (c) Other goals <u>X</u> Determine log grades for sale value; <u>X</u> Determine take and leave tree species and sizes.
	(Special cruising directions – leave trees etc.) <u>Take plots as shown on map. Do not take plots in buffers.</u>
	DO NOT RECORD 12', 22' and 32' (for Hardwoods).
	DO NOT RECORD 22' LENGTHS.
В.	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 6/396 (chains) (feet) Grade/Count Ratio 2:1

#### C. Tree Measurements:

- **1. Diameter:** Minimum DBH to cruise is <u>8"</u> for conifers and <u>10"</u> for hardwoods. Record dbh to nearest ½" 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.
- **2. 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.
- 3. Top Cruise Diameter (TCD): Minimum top outside bark for conifer is <u>7</u>", <u>7</u>" for <u>hardwoods</u> or <u>40</u> % of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.
- **4. 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.
- **5. 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. <u>Grade</u>: 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. <u>Cruise Map</u> (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:	Zane Sandborg
Approved by:	
Date:	

# CRUISE DESIGN WEST OREGON DISTRICT

Sale Name: <u>Beaver Believer Thin</u> Unit <u>2</u>

Harvest Type: PC Net BF Net BF Approx. Cruise Acres: 99 Estimated CV% 40 /Acre SE% Objective 13 /Acre

Planned Sale Volume: 1,576 MMBF Estimated Sale Area Value/Acre: \$2,100

A. <u>Cruise Goals</u>: (a) Grade minimum <u>80</u> conifer and <u>0</u> hardwood trees:
 (b) Sample <u>33</u> cruise plots (20 grade: 13 count); (c) Other goals <u>X</u> Determine log grades for sale value; <u>X</u> Determine take and leave tree species and sizes.

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

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 6/396 (chains) (feet)

Grade/Count Ratio 2:1

#### C. <u>Tree Measurements</u>:

- **1. Diameter:** Minimum DBH to cruise is 8" for conifers and 10" for hardwoods. Record dbh to nearest ½" 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.
- **2. 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.
- 3. Top Cruise Diameter (TCD): Minimum top outside bark for conifer is <u>7</u>", <u>7</u>" for <u>hardwoods</u> or <u>40</u> % of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.
- **4. 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.
- **5. 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. <u>Grade</u>: 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. <u>Cruise Map</u> (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:	
Approved by:	
Date:	

TC PSTATS					<u>OJECT</u> oject	STATIS BEA	TICS VBELI			PAGE DATE	1 6/23/2022
WP RGE	SC	TRACT	,	ГҮРЕ		ACI	RES	PLOTS	TREES	CuFt	BdFt
11S 09	20	U1	•	00PC		87.00		30	298	1	W
					TREES	1	ESTIMATED TOTAL		ERCENT AMPLE		
		PLOTS	TREES		PER PLOT		TREES		TREES		
TOTAL		30	298		9.9						
CRUISE DBH COUNT REFOREST COUNT		21	213 85		9.4		15,425		1.4		
BLANKS 100 %											
				STA	ND SUMM	ARY					
	:	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DF-L		131	95.2	15.8	67	32.5	128.9	17,110	16,780	4,779	4,779
DF-T		75	77.0	12.1	48	17.8	62.0	6,642	6,515	1,908	1,908
R ALDER		4	3.1	12.6	40	0.8	2.7	272	272	80	80
SNAG CHERRY		2 1	1.2 .7	14.0	40 37	0.4	1.3	58	58	19	19
TOTAL		213	.7 177.3	13.0 14.2	58	0.2 51.9	.7 195.6	24,082	23,625	6,786	6,786
CL 68.1 COEFF SAMPLE TREES - BF											
								#	OF TREES R	-	INF. POP.
SD: 1.0		VAR.%	S.E.%	L	ow	AVG	HIGH	#	OF TREES R 5	EQ. 10	
			S.E.% 3.1 5.0	D				#		-	
SD: 1.0 DF-L		VAR.% 35.0	3.1	L	OW 189	AVG 195	HIGH 201	#		-	INF. POP.
SD: 1.0 DF-L DF-T R ALDER		VAR.% 35.0 43.5	3.1 5.0	р	OW 189 93	AVG 195 97	HIGH 201 102	#		-	
SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL		VAR.% 35.0 43.5 67.2	3.1 5.0 38.4	Ь	OW 189 93 66	AVG 195 97 108	HIGH 201 102 149		5	10	:
SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY		VAR.% 35.0 43.5 67.2	3.1 5.0 38.4		OW 189 93 66	AVG 195 97 108	HIGH 201 102 149		5	10	:
SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL CL 68.1		VAR.% 35.0 43.5 67.2 49.5 COEFF	3.1 5.0 38.4 3.4		0W 189 93 66 151 SAMPLI	AVG  195  97  108  157  E TREES -	HIGH 201 102 149 162 CF		5 98 OF TREES R	10 24 EQ.	INF. POP.
SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.% 34.5 42.5	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9		189 93 66 151 SAMPLI OW 55 28	195 97 108 157 E TREES - AVG 56 29	HIGH 201 102 149  162  CF HIGH 58 30		5 98 OF TREES R	10 24 EQ.	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTA  CL 68.1 SD: 1.0 DF-L DF-T R ALDER		VAR.%  35.0  43.5  67.2  49.5  COEFF  VAR.%  34.5	3.1 5.0 38.4 3.4 S.E.% 3.0		189 93 66 151 SAMPLI OW	195 97 108 157 E TREES - AVG	HIGH 201 102 149  162  CF HIGH 58		5 98 OF TREES R	10 24 EQ.	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTA  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.% 34.5 42.5	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9		189 93 66 151 SAMPLI OW 55 28	195 97 108 157 E TREES - AVG 56 29	HIGH 201 102 149  162  CF HIGH 58 30		5 98 OF TREES R	10 24 EQ.	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTA  CL 68.1 SD: 1.0 DF-L DF-T R ALDER		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.% 34.5 42.5	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9		189 93 66 151 SAMPLI OW 55 28	195 97 108 157 E TREES - AVG 56 29	HIGH 201 102 149  162  CF HIGH 58 30		5 98 OF TREES R	10 24 EQ.	INF. POP.
SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8		189 93 66 151 SAMPLI OW 55 28 19	195 97 108 157 2 TREES - AVG 56 29 32	HIGH  201  102  149  162  CF  HIGH  58  30  44	#	5 98 OF TREES R 5	24 EQ. 10	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8	L	189 93 66  151  SAMPLI  OW 55 28 19  44  TREES/4	195 97 108 157 E TREES - AVG 56 29 32 45	HIGH  201 102 149  162  CF HIGH 58 30 44	#	98 OF TREES R 5  93 OF PLOTS R	24 EQ. 10	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SNAG CHERRY TOTAL  CL 68.1 SNAG CHERRY TOTAL		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8	L	189 93 66 151 SAMPLI OW 55 28 19	195 97 108 157 E TREES - AVG 56 29 32 45 ACRE AVG	HIGH  201  102  149  162  CF  HIGH  58  30  44  47  HIGH	#	5 98 OF TREES R 5	24 EQ. 10	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8	L	189 93 66 151 SAMPLI OW 55 28 19 44 TREES/2	195 97 108 157 E TREES - AVG 56 29 32 45	HIGH  201 102 149  162  CF HIGH 58 30 44	#	98 OF TREES R 5  93 OF PLOTS R	24 EQ. 10	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTA  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTA  CL 68.1 SNAG CHERRY TOTA  CL 68.1 SNAG CHERRY TOTA  CL 68.1 SD: 1.0 DF-L		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7	L	189 93 66 151 SAMPLI OW 55 28 19 44 TREES/2	195 97 108 157 E TREES - AVG 56 29 32 45 ACRE AVG 95	HIGH  201 102 149  162  CF HIGH  58 30 44  47  HIGH 100	#	98 OF TREES R 5  93 OF PLOTS R	24 EQ. 10	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6 70.0 483.1 380.6	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6	L	189 93 66 151 SAMPLI  OW 55 28 19 44 TREES/A	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1	HIGH  201 102 149  162  CF HIGH  58 30 44  47  HIGH  100 87 6 2	#	98 OF TREES R 5  93 OF PLOTS R	24 EQ. 10	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 CHERRY CHERRY SNAG CHERRY		VAR.%  35.0  43.5  67.2  49.5  COEFF VAR.%  34.5  42.5  67.9  48.3  COEFF VAR.%  24.6  70.0  483.1  380.6  547.7	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6 101.7	L	189 93 66  151  SAMPLI  OW  55 28 19  44  TREES/A  OW  91 67 0 0	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1 1	HIGH  201 102 149  162  CF HIGH  58 30 44  47  HIGH  100 87 6 2 1	#	98 OF TREES R 5  93 OF PLOTS R 5	24 EQ. 10  23 EQ. 10	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6 70.0 483.1 380.6 547.7 28.6	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6	L	189 93 66  151  SAMPLI  OW 55 28 19  44  TREES/2  OW 91 67 0 0 168	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1 1 177	HIGH  201  102  149  162  CF  HIGH  58  30  44  47  HIGH  100  87  6  2  1  187	#	5  98  OF TREES R 5  93  OF PLOTS R 5	24 EQ. 10 23 EQ. 10	INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 CHERRY TOTAL  CL 68.1		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6 70.0 483.1 380.6 547.7 28.6  COEFF	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6 101.7 5.3	L D	189 93 66 151 SAMPLI  OW 55 28 19 44 TREES/A  OW 91 67 0 0 168 BASAL A	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1 1 177  AREA/ACE	HIGH  201 102 149  162  CF HIGH 58 30 44  47  HIGH 100 87 6 2 1 187	#	98 OF TREES R 5  93 OF PLOTS R 5	24 EQ. 10  23 EQ. 10	INF. POP.  INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6 70.0 483.1 380.6 547.7 28.6  COEFF VAR.%	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6 101.7 5.3	L D	189 93 66 151 SAMPLI  OW 55 28 19 44 TREES/A  OW 91 67 0 0 168 BASAL A  OW	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1 1 177  AREA/ACH AVG	HIGH  201  102  149  162  CF  HIGH  58  30  44  47  HIGH  100  87  6  2  1  187  RE  HIGH	#	5  98  OF TREES R 5  93  OF PLOTS R 5	24 EQ. 10 23 EQ. 10	INF. POP.  INF. POP.
DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T R ALDER SNAG CHERRY TOTAL  CL 68.1 SD: 1.0 DF-L DF-T CHERRY TOTAL  CHERRY TOTAL  CHERRY TOTAL		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6 70.0 483.1 380.6 547.7 28.6  COEFF VAR.%  14.3	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6 101.7 5.3 S.E.% 2.7	L D	189 93 66 151 SAMPLI  OW 55 28 19 44 TREES/2  OW 91 67 0 0 168 BASAL 2  OW 125	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1 1 177  AREA/ACH AVG 129	HIGH  201 102 149  162  CF HIGH  58 30 44  47  HIGH  100 87 6 2 1 187  RE HIGH  132	#	98 OF TREES R 5  93 OF PLOTS R 5	24 EQ. 10  23 EQ. 10	INF. POP.  INF. POP.
SD: 1.0  DF-L  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  CL 68.1  SD: 1.0  DF-L  DF-T  CHERRY  TOTAL		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6 70.0 483.1 380.6 547.7 28.6  COEFF VAR.%  14.3 72.1	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6 101.7 5.3 S.E.% 2.7 13.4	L D	189 93 66 151 SAMPLI OW 55 28 19 44 TREES/A OW 91 67 0 0 168 BASAL A OW 125 54	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1 1 177  AREA/ACE AVG 129 62	HIGH  201 102 149  162  CF HIGH  58 30 44  47  HIGH  100 87 6 2 1 187  RE HIGH  132 70	#	98 OF TREES R 5  93 OF PLOTS R 5	24 EQ. 10  23 EQ. 10	INF. POP.  INF. POP.
SD: 1.0  DF-L  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6 70.0 483.1 380.6 547.7 28.6  COEFF VAR.%  14.3	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6 101.7 5.3 S.E.% 2.7	L D	189 93 66 151 SAMPLI  OW 55 28 19 44 TREES/2  OW 91 67 0 0 168 BASAL 2  OW 125	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1 1 177  AREA/ACH AVG 129	HIGH  201 102 149  162  CF HIGH  58 30 44  47  HIGH  100 87 6 2 1 187  RE HIGH  132	#	98 OF TREES R 5  93 OF PLOTS R 5	24 EQ. 10  23 EQ. 10	INF. POP.
SD: 1.0  DF-L  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  R ALDER  SNAG  CHERRY  TOTAL  CL 68.1  SD: 1.0  DF-L  DF-T  CL 68.1  SD: 1.0  DF-L  DF-T  CHERRY  TOTAL		VAR.%  35.0 43.5 67.2  49.5  COEFF VAR.%  34.5 42.5 67.9  48.3  COEFF VAR.%  24.6 70.0 483.1 380.6 547.7 28.6  COEFF VAR.%  14.3 72.1 428.5	3.1 5.0 38.4 3.4 S.E.% 3.0 4.9 38.8 3.3 S.E.% 4.6 13.0 89.7 70.6 101.7 5.3 S.E.% 2.7 13.4 79.5	L D	189 93 66 151 SAMPLI OW 55 28 19 44 TREES/A OW 91 67 0 0 168 BASAL A OW 125 54	AVG  195 97 108  157  E TREES - AVG 56 29 32  45  ACRE AVG 95 77 3 1 1 177  AREA/ACE AVG 129 62 3	HIGH  201 102 149  162  CF HIGH  58 30 44  47  HIGH  100 87 6 2 1 187  RE HIGH  132 70 5	#	98 OF TREES R 5  93 OF PLOTS R 5	24 EQ. 10  23 EQ. 10	INF. POP.

TC PSTATS

# PROJECT STATISTICS

PAGE 2

TC PST	TC PSTATS				PROJECT BEAVBELI				DATE	6/23/2022	
ГWР	RGE	SC	TRACT	TYI	PE	A	CRES	PLOTS	TREES	CuFt	BdFt
11S 09		20	U1	00PG	С		87.00	30	298	3 1	W
CL	68.1		COEFF		NET B	F/ACRE			# OF PLOTS I	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DF-L			19.3	3.6	16,178	16,780	17,382				
DF-T			75.6	14.0	5,600	6,515	7,429				
R ALI	DER		414.7	77.0	63	272	482				
SNAG	j										
CHER	RY		547.7	101.7		58	117				
TOTA	<b>AL</b>		26.1	4.8	22,482	23,625	24,767		28	7	3
CL	68.1		COEFF		NET C	UFT FT/A	CRE		# OF PLOTS I	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DF-L			15.9	3.0	4,638	4,779	4,921				
DF-T			74.8	13.9	1,643	1,908	2,173				
R ALI	DER		413.8	76.8	18	80	141				
SNAG	;										
CHER	RY		547.7	101.7		19	38				
TOTA	<b>A</b> L		24.6	4.6	6,475	6,786	7,096		25	6	3

TC	TC PSPCSTGR Species, Sort Grade - Board Foot Volumes (Project)																		
T1	1S R09W S20 T	99W S20 Ty00PC 87.00			Project: BEAVBELI Acres 87.00									Page Date Time		1 23/202 0:35:0	22		
Spp	S So Gr T rt ad	% Net BdFt	Bd. Ft	. per Acre Gross	Net	Total Net MBF	L	og Sca	Net Boar ale Dia. 12-16		Volume Log Length 12-20 21-30 31-35 36-99				. Ln Ft		age Log Bd Ft	CF/ Lf	Logs Per /Acre
DF DF DF	L DO 2M L DO 3M L DO 4M	19 71 10	2.4 1.6 3.1	3,340 12,076 1,694	3,260 11,878 1,642	284 1,033 143		100 100	100		40	3 1 58	10 2	97 89	40 38 22	13 8 6	216 108 27	1.48 0.79 0.42	15.1 109.5 61.3
<b>DF</b>	Totals  T DO 3M	71 78	2.3	17,110 5,252	16,780 5,132	1,460 446		81 100	19		4	7	7	82 85	33 37	8	90 78	0.78	185.9 65.6
DF DF	T DO 4M  Totals	22	1.9	1,389 6,642	1,383 6,515	120 567		100			55 12	45 12	8	67	20 29	7	53	0.35	57.8 123.4
RA	DO CR	100		272	272	24		100			4	15		81	33	8	79	0.70	3.5
RA	Totals	1		272	272	24		100			4	15		81	33	8	79	0.70	3.5
СН	DO CR	100		58	58	5		100						100	36	8	80	0.72	.7
СН	Totals	0		58	58	5		100						100	36	8	80	0.72	.7
Totals 1.9 24,082 23,625 2,0						2,055		86	14		6	8	7	78	32	8	75	0.69	313.5

TC PSTNDSUM		Stand Table Summary	Page Date:	1 6/23/2022
T11S R09W S20 Ty00PC	87.00	Project BEAVBELI	Time:	10:35:02AM
		Acres 87.00	Grown Year:	

				Tot				Average	Log		Net	Net			
S		Sample	FF	Av	Trees/	BA/	Logs	Net	Net	Tons/	Cu.Ft.	Bd.Ft.		Totals	
Spc T	DBH	Trees	16'	Ht	Acre	Acre	Acre	Cu.Ft.	Bd.Ft.	Acre	Acre	Acre	Tons	Cunits	MBF
DF L	10	1	90	112	1.773	.97	3.55	10.5	45.0		37	160		3	2 14
DF L	11	2	86	84	2.930	1.93	4.40	12.7	43.3		56	190		4	8 17
DF L	12	6	88	94	7.387	5.80	12.31	16.2	58.0		199	714		17	4 62
DF L	13	5	72	85	7.664	7.06	14.28	16.3	63.1		233	901		20	2 78
DF L	14	13	88	94	11.758	12.57	23.52	19.3	66.2		454	1,556		39	5 135
DF L	15	17	89	94	13.395	16.44	26.79	22.7	81.8		608	2,190		52	
DF L	16	26	88	100	18.005	25.14	36.01	27.0	97.9		973	3,525		84	
DF L	17	20	88	93	12.269	19.34	24.54	28.8	100.0		707	2,454		61	
DF L	18	20	88	98	10.943	19.34	21.89	33.8	114.8		740	2,511		64	
DF L	19	7	89	98	3.438	6.77	6.88	38.7	133.6		266	918		23	
DF L	20	8	86	98	3.546	7.74	7.53	38.5	129.4		290	975		25	
DF L	21	1	82	83	.402	.97	.80	41.0	105.0		33	84		2	
DF L	22	3	84	98	1.099	2.90	2.20	48.7	148.3		107	326		9	
DF L	23	1	88	103	.335	.97	.67	57.5	215.0		39	144		3	
DF L	25	1	84	101	.284	.97	.57	67.5	230.0		38	130		3	3 11
DF L	Totals	131	87	95	95.227	128.90	185.92	25.7	90.3		4,779	16,780		4,15	8 1,460
DF T	8	3	87	36	7.105	2.48	7.10	5.0	20.0		36	142		3	1 12
DF T	9	2	82	58	3.742	1.65	3.74	11.0	35.0		41	131		3	6 11
DF T	10	5	87	87	7.578	4.13	10.61	11.7	47.1		124	500		10	8 44
DF T	11	14	86	89	17.537	11.57	25.05	13.9	50.0		348	1,253		30	3 109
DF T	12	13	86	89	13.683	10.75	24.21	13.9	47.4		336	1,147		29	2 100
DF T	13	8	86	91	7.175	6.61	14.35	15.6	52.5		224	753		19	5 66
DF T	14	7	86	79	5.413	5.79	10.05	17.6	55.4		177	557		15	4 48
DF T	15	16	86	84	10.778	13.23	20.88	20.4	66.1		426	1,381		37	0 120
DF T	16	5	85	82	2.960	4.13	5.33	24.7	77.8		131	414		11	4 36
DF T	17	2	86	100	1.049	1.65	2.10	30.7	112.5		65	236		5	6 21
DF T	Totals	75	86	81	77.020	62.00	123.43	15.5	52.8		1,908	6,515		1,66	0 567
RA	11	1	87	39	1.010	.67	1.01	12.0	40.0		12	40		1	1 4
RA	12	2	86	89	1.698	1.33	1.70	26.0	90.0		44	153		3	8 13
RA	18	1	87	77	.377	.67	.75	31.0	105.0		23	79		2	0 7
RA	Totals	4	86	71	3.085	2.67	3.46	23.0	78.7		80	272		6	9 24
СН	13	1	87	74	.723	.67	.72	26.0	80.0		19	58		1	6 5
СН	Totals	1	87	74	.723	.67	.72	26.0	80.0		19	58		1	6 5
SN	14	2	94	59	1.247	1.33									
SN	Totals	2	94	59	1.247	1.33									
Totals		213	86	88	177.303	195.56	313.53	21.6	75.3		6,786	23,625		5,90	4 2,055

 TC
 PLOGSTVB
 Log Stock Table - MBF

 T11S R09W S20 Ty00PC
 87.00
 Project: BEAVBELI Acres
 BEAVBELI BEAVBELI Acres
 Date 6/23/2022 Time 10:35:01AM

Spp T	1	So Gr	,	- 1																
Spp T						Def	Net	%			<u>Vet Volui</u>				r in Inch	es	I		I	
	+	rt de		Len	MBF	%	MBF	Spc	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	Т	DO 2		26	9	13.0	8								8					
DF L	Ĺ	DO 2	M	40	282	2.1	276	18.9						248	19	10				
DF L	,	DO 3	М	30	11	3.6	10	.7			6		4							
DF L		DO 3	М	32	43	2.1	42	2.9			30	12								
DF L	,	DO 3	M	34	57		57	3.9			10	8	39							
DF L		DO 3	M	36	41	3.3	40	2.7			25	7	9							
DF L	4	DO 3	M	38	101	2.1	99	6.8			46	26	26							
DF L	L	DO 3	М	40	798	1.6	786	53.8			70	201	515							
DF L	,	DO 4	М	12	1		1	.1			1									
DF L		DO 4	М	16	32	9.5	29	2.0			20	9								
DF L	4	DO 4	М	18	10		10	.7			10									
DF L	4	DO 4	M	20	17		17	1.2			17									
DF L	1	DO 4	M	24	20		20	1.4			20									
DF L	-	DO 4	М	26	18		18	1.2			18									
DF L	1	DO 4	M	28	23		23	1.6			23									
DF L		DO 4	М	30	22		22	1.5			22									
DF L	1	DO 4	М	32	5	30.6	4	.2			4									
DF	L	Tot	als		1,489	1.9	1,460	71.0			321	263	593	248	26	10				
DF T		DO 3	М	20	5		5	.8					5							
DF T		DO 3	M	26	5		5	.9					5							
DF T		DO 3	M	28	10		10	1.8				10								
DF T		DO 3	M	32	20	3.9	19	3.4			8	11								
DF T		DO 3	M	34	30	6.8	28	4.9			16	11								
DF T		DO 3	М	36	66	3.4	64	11.3			34	31								
	Т	DO 3		38	91	2.0	89				30	59								
DF T	Ĺ	DO 3	М	40	230	1.6	227	40.0			93	93	41							
DF T		DO 4	M	12	1		1	.2			1									
DF T	,	DO 4	М	14	9		9	1.5			6	3								
DF T		DO 4	М	16	43	1.4	42	7.4			42									
DF T		DO 4	М	18	6		6	1.0			6									
DF T		DO 4	М	20	9		9	1.6			9									
DF T		DO 4	М	24	27		27	4.7			27									
DF T		DO 4	М	26	12		12	2.1			12									
DF T		DO 4	М	28	9		9	1.6			9									
DF T	1	DO 4	М	30	7		7	1.1			7									
DF		Tot	als		578	1.9	567	27.6			298	218	51							

TC PI	LOC	GSTVB							Log S	Stock	Table -	MBF								
T11S	R0	9W S20	Ty	00PC		87.0	0		Proje Acre		BEA	VBEL	I 7.00				Page Date Time	6/2	2 3/2022 35:01A	
	s	So Gr		Log	Gross	I	Def	Net	%		ı	let Volu	ıme by S	caling Diamete	r in Inch	es				
Spp	Т	rt de		Len	MBF		%	MBF	Spc	2-3	4-5	6-7	8-9	10-11 12-13	14-15	16-19	20-23	24-29	30-39	40+
RA		DO 0	CR	16		1		1	4.2			1								
RA		DO 0	CR	24		4		4	14.8			4								
RA		DO 0	CR	40		19		19	81.0				13	6						
RA		To	tals			24		24	1.2			5	13	6						
СН		DO 0	CR	36		5		5	100.0				5							
СН		To	tals			5		5	.2				5							
Total		All Spe	ecies	s	2,0	)95	1.9	2,055	100.0			624	499	649 248	26	10				

TC PSI	TATS				OJECT OJECT	STATIS BEA	STICS VBELI			PAGE DATE	1 6/23/2022
TWP	RGE	SC TRACT	Γ	ТҮРЕ		AC	RES	PLOTS	TREES	CuFt	BdFt
11S	09	20 U2		00PC			99.00	33	333	1	W
					TREES		ESTIMATED TOTAL		ERCENT SAMPLE		
		PLOTS	TREES		PER PLOT		TREES		TREES		
TOTA	AL	33	333		10.1						
	SE COUNT DREST	20	196		9.8		21,111		.9		
COUN BLAN 100 %	NKS	13	137		10.5						
				STAN	ND SUMN	<b>IARY</b>					
		SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DF-L		128	112.2	14.5	62	33.8	128.5	16,434	16,132	4,592	4,592
DF-T		66	99.8	11.4	46	21.0	70.9	7,660	7,509	2,116	2,116
SNAC TOTA		2 196	1.2 213.2	13.9 13.1	36 54	0.3 55.4	1.2 200.6	24,094	23,641	6,708	6,708
	6		UT OF 100 THE	E VOLUME '					0.5.75.75.75		n= 202
CL SD:	68.1 1.0	COEFF VAR.%		T A	<b>SAMPL</b> OW	E TREES - AVG	· <b>BF</b> HIGH	#	OF TREES R	EQ. 10	INF. POP.
DF-L		32.7	2.9	L	153	158	162		<u> </u>	10	13
DF-T		39.5	4.9		80	84	88				
SNAC TOTA		44.9	3.2		127	131	136		81	20	9
CL	68.1	COEFF				E TREES -		#	OF TREES R		INF. POP.
SD:	1.0	VAR.%	S.E.%	Lo	ow	AVG	HIGH		5	10	15
DF-L		32.2	2.8		44	45	46				
DF-T SNAC		40.8	5.0		23	24	25				
511710											
TOTA	AL	44.8	3.2		36	38	39		80	20	9
CL	68.1	44.8 COEFF			36 TREES/		39	#	80 OF PLOTS R		INF. POP.
CL SD:	68.1 1.0	COEFF VAR.%	S.E.%	L	TREES/	/ACRE AVG	HIGH	#			INF. POP.
CL SD: DF-L	68.1 1.0	COEFF VAR.% 14.0	S.E.% 2.4	Lo	TREES/ OW 110	ACRE AVG 112	HIGH 115	#	OF PLOTS R	EQ.	INF. POP.
CL SD:	68.1 1.0	COEFF VAR.%	S.E.%	Lo	TREES/	/ACRE AVG	HIGH	#	OF PLOTS R	EQ.	INF. POP.
CL SD: DF-L DF-T	68.1 1.0	COEFF VAR.% 14.0 58.3	S.E.% 2.4 10.1	Lo	TREES/ OW 110 90	/ACRE AVG 112 100	HIGH 115 110	#	OF PLOTS R	EQ.	INF. POP.
CL SD: DF-L DF-T SNAC	68.1 1.0	COEFF VAR.% 14.0 58.3 423.0	S.E.% 2.4 10.1 73.6 4.6	L	TREES/ OW 110 90 0 203	/ACRE AVG 112 100	HIGH  115 110 2 223		OF PLOTS R 5	10 7	INF. POP.
CL SD: DF-L DF-T SNAC TOTA	68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.%	S.E.%  2.4  10.1  73.6  4.6  S.E.%		TREES/OW  110 90 0 203  BASAL OW	ACRE AVG 112 100 1 213 AREA/AC	HIGH  115 110 2 223  RE HIGH		OF PLOTS R 5	10 7	INF. POP.  15
CL SD: DF-L DF-T SNAC TOTA CL SD: DF-L	68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.%	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8		TREES/OW  110 90 0 203  BASAL OW	ACRE AVG 112 100 1 213 AREA/AC AVG 128	HIGH  115 110 2 223  RE HIGH 131		OF PLOTS R 5  28  OF PLOTS R	7 .EQ.	INF. POP.  15
CL SD: DF-L DF-T SNAC TOTA CL SD: DF-L DF-T	68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.% 10.3 61.1	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8  10.6		TREES/OW  110 90 0 203  BASAL OW  126 63	ACRE AVG 112 100 1 213 AREA/AC AVG 128 71	HIGH  115 110 2 223  RE  HIGH  131 78		OF PLOTS R 5  28  OF PLOTS R	7 .EQ.	INF. POP. 15
CL SD: DF-L DF-T SNAC TOTA CL SD:	68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.%	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8		TREES/OW  110 90 0 203  BASAL OW	ACRE AVG 112 100 1 213 AREA/AC AVG 128	HIGH  115 110 2 223  RE HIGH 131		OF PLOTS R 5  28  OF PLOTS R	7 .EQ.	INF. POP.  15
CL SD: DF-L SNAC TOTA CL SD: DF-L DF-T SNAC	68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.% 10.3 61.1 399.8	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8  10.6  69.5  4.3		TREES/OW  110 90 0 203  BASAL OW  126 63 0	ACRE AVG 112 100 1 213  AREA/AC AVG 128 71 1 201	HIGH  115 110 2 223  RE  HIGH  131 78 2	#	OF PLOTS R 5  28  OF PLOTS R 5	7 EQ. 10 6	INF. POP. 15
CL SD: DF-L SD: DF-L DF-T SNAC TOTA CL SD: CL SD: CL SD: CL SD: CL SD:	68.1 1.0 G AL 68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.% 10.3 61.1 399.8 24.5 COEFF VAR.%	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8  10.6  69.5  4.3	L	TREES/OW  110 90 0 203  BASAL OW  126 63 0 192  NET BF	ACRE AVG 112 100 1 213 AREA/AC AVG 128 71 1 201 F/ACRE AVG	HIGH  115 110 2 223  RE  HIGH  131 78 2 209	#	OF PLOTS R 5  28  OF PLOTS R 5	7 EQ. 10 6	INF. POP.  15  3  INF. POP.  15
CL SD: DF-L SD: DF-L DF-T SNAC TOTA  CL SD: DF-L DF-T SNAC TOTA  CL SD: DF-L DF-T	68.1 1.0 G AL 68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.% 10.3 61.1 399.8 24.5	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8  10.6  69.5  4.3	L	TREES/OW  110 90 0 203  BASAL OW  126 63 0 192  NET BF	ACRE AVG 112 100 1 213 AREA/AC AVG 128 71 1 201	HIGH  115 110 2 223  RE  HIGH  131 78 2 209	#	OF PLOTS R 5  28  OF PLOTS R 5	7 EQ. 10 6	INF. POP.  15  3  INF. POP.  15
CL SD: DF-L SD: DF-L DF-T SNAC TOTA  CL SD: CL DF-L DF-T SNAC TOTA	68.1 1.0 G AL 68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.% 10.3 61.1 399.8 24.5 COEFF VAR.%	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8  10.6  69.5  4.3  S.E.%  2.3	Lo i	TREES/OW  110 90 0 203  BASAL OW  126 63 0 192  NET BF OW  15,754	ACRE AVG 112 100 1 213 AREA/AC AVG 128 71 1 201 E/ACRE AVG 16,132	HIGH  115  110  2  223  RE  HIGH  131  78  2  209  HIGH  16,510	#	OF PLOTS R 5  28  OF PLOTS R 5	7 EQ. 10 6	INF. POP.  15  3  INF. POP.  15
CL SD: DF-L DF-T SNAC TOTA  CL SD: DF-L DF-T SNAC TOTA  CL SD: DF-L SD: DF-L SD: DF-L SD: DF-L SD: DF-L SD:	68.1 1.0 G AL 68.1 1.0 G AL 68.1 1.0	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.% 10.3 61.1 399.8 24.5 COEFF VAR.%	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8  10.6  69.5  4.3  S.E.%  2.3  10.6  4.3	Lo i	TREES/OW  110 90 0 203  BASAL OW  126 63 0 192  NET BF OW 15,754 6,714	ACRE AVG 112 100 1 213  AREA/AC AVG 128 71 1 201  F/ACRE AVG 16,132 7,509	HIGH  115  110  2  223  RE  HIGH  131  78  2  209  HIGH  16,510  8,304  24,653	#	OF PLOTS R 5  28  OF PLOTS R 5  24  OF PLOTS R 5	7 EQ. 10 6 EQ. 10	INF. POP.  15  3  INF. POP.  15  3  INF. POP.  15
CL SD: DF-L SD: DF-L DF-T SNAC TOTA  CL SD: DF-L DF-T SNAC TOTA  CL SD: TOTA  CL SD: TOTA	68.1 1.0 GAL 68.1 1.0 GAL 68.1 1.0 GAL	COEFF VAR.% 14.0 58.3 423.0 26.6 COEFF VAR.% 10.3 61.1 399.8 24.5 COEFF VAR.% 13.5 60.9	S.E.%  2.4  10.1  73.6  4.6  S.E.%  1.8  10.6  69.5  4.3  S.E.%  2.3  10.6  4.3	Lo Lo	TREES/OW  110 90 0 203  BASAL OW  126 63 0 192  NET BF OW 15,754 6,714	ACRE AVG 112 100 1 213  AREA/AC AVG 128 71 1 201  F/ACRE AVG 16,132 7,509 23,641	HIGH  115  110  2  223  RE  HIGH  131  78  2  209  HIGH  16,510  8,304  24,653	#	OF PLOTS R 5  28  OF PLOTS R 5  24  OF PLOTS R 5	7 EQ. 10 6 EQ. 10	33 INF. POP. 15 33 INF. POP. 15 33

TC PST	ATS				PROJECT PROJECT		STICS AVBELI			PAGE DATE	<b>2</b> 6/23/2022
TWP	RGE	SC	TRACT	TY	PE	A(	CRES	PLOTS	TREES	CuFt	BdFt
11S	09	20	U2	001	PC		99.00	33	333	1	W
CL	68.1		COEFF		NET CU	JFT FT/A(	CRE		# OF PLOTS	S REQ.	INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
SNAC TOTA			24.4	4.2	6,424	6,708	6,993		24	6	3

TC PSPCSTGR		$\mathbf{S}_{\mathbf{l}}$	pecies, S	ort Gra	de - Board F	oot Volum	es (Pr	oject	)								
T11S R09W S20 T	y00PC		99.00		Project: Acres	BEAVB 99.								Page Date Time		1 23/202 0:16:3	22
	%					Percent of	Net Boa	rd Foot	Volume					Avera	ige Log	g	Logs
S So Gr	Net	Bd. Ft	. per Acre		Total	Log Sc	ale Dia.			Log l	Length		. Ln	Dia	Bd	CF/	Per
Spp T rt ad	BdFt	Def%	Gross	Net	Net MBF	4-5 6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
DF L DO 2M	5	3.4	943	911	90		100			20		80	37	12	189	1.39	4.8
DF L DO 3M	79	2.0	13,008	12,742	1,261	100				1	5	94	38	9	109	0.78	116.6
DF L DO 4M	16	.2	2,483	2,479	245	100			38	61	1		22	6	26	0.39	96.5
DF Totals	68	1.8	16,434	16,132	1,597	94	6		6	11	4	79	31	8	74	0.68	217.9
DF T DO 2M			54	54	5		100		100				12	13	70	1.25	.:
DF T DO 3M	80	2.5	6,157	6,006	595	100				5	22	73	37	7	70	0.54	86.4
DF T DO 4M	20		1,449	1,449	143	100			68	32			18	6	21	0.33	68.6
DF Totals	32	2.0	7,660	7,509	743	99	1		14	10	17	58	28	7	48	0.48	155.
Totals		1.9	24,094	23,641	2,340	96	4		8	11	8	72	30	7	63	0.60	373.7

TC PSTNDSUM		Stand Table Summary	Page	1
			Date:	6/23/2022
T11S R09W S20 Ty00PC	99.00	Project BEAVBELI	Time:	10:16:31AM
		Acres 99.00	Grown Year:	

S Spc T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	<b>BA</b> /Acre	Logs Acre	Average Net Cu.Ft.	e Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	Totals Cunits	MBF
DF L	8	1	88	42	2.876	1.00	2.88	5.0	20.0		14	58		14	6
DF L	10	1	90	80	1.840	1.00	1.84	15.0	60.0		28	110		27	11
DF L	11	3	90	96	4.563	3.01	9.13	10.8	41.7		99	380		98	38
DF L	12	9	88	88	11.503	9.03	20.45	14.6	53.7		298	1,099		295	109
DF L	13	13	89	87	14.157	13.05	28.31	15.2	51.2		430	1,448		426	143
DF L	14	27	89	95	25.353	27.10	50.71	19.4	67.8		984	3,437		974	340
DF L	15	25	89	92	20.449	25.09	40.90	22.4	79.2		915	3,239		906	321
DF L	16	23	89	96	16.535	23.09	33.79	25.6	91.7		865	3,099		856	307
DF L	17	12	88	92	7.642	12.05	15.28	29.1	101.3		445	1,547		441	153
DF L	18	8	88	94	4.544	8.03	9.09	33.0	112.5		300	1,022		297	101
DF L	19	3	87	90	1.529	3.01	3.06	34.3	110.0		105	336		104	33
DF L	20	1	86	93	.460	1.00	.92	38.5	120.0		35	110		35	5 11
DF L	21	1	86	111	.417	1.00	.83	50.0	180.0		42	150		4:	15
DF L	22	1	88	77	.380	1.00	.76	42.0	125.0		32	95		32	2 9
DF L	Totals	128	89	91	112.248	128.48	217.94	21.1	74.0		4,592	16,132		4,546	1,597
DF T	8	2	86	33	6.156	2.15	6.16	5.0	15.0		31	92		30	9
DF T	9	3	86	53	7.296	3.22	7.30	8.7	30.0		63	219		63	3 22
DF T	10	13	87	83	25.608	13.97	31.52	12.4	49.4		390	1,556		386	5 154
DF T	11	10	89	87	16.280	10.74	26.05	12.1	45.0		316	1,172		313	116
DF T	12	13	88	86	17.783	13.97	32.83	13.7	47.5		449	1,559		444	154
DF T	13	15	86	86	17.484	16.12	32.64	15.6	51.1		511	1,667		505	165
DF T	14	6	87	86	6.030	6.45	12.06	17.7	61.7		214	744		212	
DF T	15	2	88	84	1.751	2.15	3.50	20.2	70.0		71	245		70	) 24
DF T	16	1	86	94	.769	1.07	2.31	14.7	60.0		34	139		34	14
DF T	17	1	92	87	.682	1.07	1.36	28.0	85.0		38	116		38	3 11
DF T	Totals	66	87	80	99.838	70.91	155.72	13.6	48.2		2,116	7,509		2,095	743
SN	12	1	99	51	.772	.61									
SN	17	1	98	24	.384	.61									
SN	Totals	2	99	42	1.156	1.21									
Totals		196	88	85	213.243	200.61	373.66	18.0	63.3		6,708	23,641		6,64	2,340

 TC
 PLOGSTVB
 Log Stock Table - MBF

 T11S R09W S20 Ty00PC
 99.00
 Project: BEAVBELI Acres
 BEAVBELI Date 6/23/2022 Time 10:16:30AM

									1								111110	10.	10.30A	A1VI
	$\mathbf{s}$			Log		Def	Net	%		1	Net Volu	ne by S	caling l	<u> Diamete</u>	r in Inch	es	ı			
Spp	T	rt d	e	Len	MBF	%	MBF	Spc	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	DO	2M	28	10	7.1	9	.6						9						
DF	L	DO	2M	30	9	6.7	9	.6						9						
DF	L	DO	2M	40	74	2.5	72	4.5						60	12					
DF	L	DO	3M	24	8	11.1	7	.5					7							
DF	L	DO	3M	30	6		6	.4				6								
DF	L	DO	3M	32	55	3.9	53	3.3			35	18								
DF	L	DO	3M	34	13		13	.8			6	8								
DF	L	DO	3M	36	72	4.5	69	4.3			29	30	10							
DF	L	DO	3M	38	156		156	9.7			14	74	67							
DF	L	DO	3M	40	977	2.0	957	59.9			29	446	482							
DF	L	DO	4M	16	49		49	3.0			49									
DF	L		4M				21				21									
DF	L		4M				23				23									
DF	L		4M				48				48									
DF	L		4M				37				37									
DF	L	DO	4M	28	49		49	3.1			49									
DF	L	DO	4M	30	17		17	1.1			17									
DF	L	DO	4M	32	2	20.0	2	.1			2									
DF		7	Γotals		1,627	1.8	1,597	68.2			358	582	567	78	12					
DF	T	DO	2M	12			5	-						5						
DF	т	DO	2M	24	7	11.1	6	.8					6							
DF		DO	3M			11.1	7					7								
DF		DO					18				10	8								
DF		DO	3M			6.5	81				39	42								
DF		DO				0.0	49				31	18								
DF		DO				6.2	54				37	17								
DF		DO				2.0	134				75	50	9							
DF	Т	DO	3M				246	33.1			108	138								
DF	Т	DO	4M	12	8		8	1.1			8									
DF		DO					7				7									
DF		DO					65				65									
DF		DO					13				13									
DF	Т	DO	4M				6				6									
DF		DO			28		28				28									
DF	Т	DO	4M	26	11		11	1.4			11									
DF		DO					7				7									
																	ļ			

TC	PLO	GSTVB					Log S	Stock '	Table -	MBF									
T11	S R0	9W S20 T	y00PC	9	9.00		Proje Acres		BEA	VBELI 99	0.00					Page Date Time	6/2	2 3/2022 16:30	
<u> </u>	s	So Gr	Log	Gross	Def	Net	%		I	let Volu	me by S	caling D	iamete	r in Inch	es	•		1	
Spp	T	rt de	Len	MBF	%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40
DF		Total	ls	758	2.0	743	31.8			443	280	15	5						
Total		All Speci	es	2,385	1.9	2,340	100.0			802	862	582	84	12					

