Timber Sale Appraisal
Lone Steere Thin

Sale WO-341-2024-W01097-01

District: West Oregon

Date: March 29, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$121,804.00	$0.00	$121,804.00
		Project Work:	($20,365.00)
		Advertised Value:	$101,439.00

Timber Sale Appraisal
Lone Steere Thin
Sale WO-341-2024-W01097-01

"STEWARDSHIP IN FORESTRY"

District: West Oregon **Date: March 29, 2024**

Timber Description

Location: PORTIONS OF SECTION 10, T10S, R08W, W.M.,
LINCOLN & POLK COUNTIES, OREGON

Stand Stocking: 40%

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

Volume by Grade	2S	3S & 4S 6"-11"	Total
Douglas - Fir	4	396	400
Total	4	396	400

Comments: Pond Values Used: local Pond Values, February 2024

Western Hemlock and other Conifers Stumpage Price = Pond Value Minus Logging Costs:
$37.13/MBF = $530/MBF - $492.87/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
$617.13/MBF = $1260/MBF - ($492.87/MBF + $150/MBF(Extra Haul Cost))

Hardwoods Stumpage Price = Hardwood Pulp price using a conversion factor of 10 ton/MBF: = $25.00/MBF

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

Other Costs (with Profit and Risk to be added)
Intermediate Support/Tail Trees: 7 supports @ $100/support = $700
TOTAL Other Costs (with Profit and Risk to be added) = $700

Other Costs (No Profit and Risk to be added):
Equipment Cleaning (Invasive Species): $2000
Landing slash piling: 6 Landings @ $100/Landing = $600
TOTAL Other Costs (No Profit and Risk) = $2600

ROAD MAINTENANCE
Move-in: Grader: $950.00
Final Road Maintenance: $8,816.50
TOTAL Road Maintenance: $9,766.50/ 400 MBF = $24.42/MBF

Timber Sale Appraisal
Lone Steere Thin
Sale WO-341-2024-W01097-01

District: West Oregon **Date: March 29, 2024**

Logging Conditions

Combination#: 1 Douglas - Fir 18.00%

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: 13 **bd. ft / load:** 3900

cost / mbf: $197.24

machines: Forwarder
Harvester

Combination#: 2 Douglas - Fir 82.00%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Manual Falling/Delimbing

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

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

loads / day: 7 **bd. ft / load:** 3800

cost / mbf: $299.93

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

Timber Sale Appraisal
Lone Steere Thin
Sale WO-341-2024-W01097-01

District: West Oregon **Date: March 29, 2024**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	10%
Project Costs:	$20,365.00	**Other Costs (P/R):**	$700.00
Slash Disposal:	$0.00	**Other Costs:**	$2,600.00

Miles of Road

Road Maintenance: $24.42

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	3.9

Timber Sale Appraisal
Lone Steere Thin

Sale WO-341-2024-W01097-01

District: West Oregon

Date: March 29, 2024

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$281.45	$25.15	$21.94	$110.05	$1.75	$44.03	$0.00	$2.00	$6.50	$492.87

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$797.38	$304.51	$0.00

Timber Sale Appraisal
Lone Steere Thin
Sale WO-341-2024-W01097-01

District: West Oregon **Date: March 29, 2024**

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	400	$304.51	$121,804.00

Gross Timber Sale Value

Recovery: $121,804.00

Prepared By: Jack Stout **Phone:** 541-929-3266

SUMMARY OF ALL PROJECT COSTS

Sale Name: Lone Steere Thin

Date: March 2024
Time: 13:23

Project #1 - Construction

Road Segment		Length	Cost
A to B		2.5 sta	$3,421
	TOTALS	2.5 sta	$3,421

Project #2 - Improvements

Road Segment		Length	Cost
1 to 2		134.1 sta	$9,138
3 to 4		26.7 sta	$3,744
5 to 6		2.4 sta	$262
	TOTALS	163.2 sta	$13,144

Project #3 - Move in		Cost
Excavator, C315 or equiv.		$950
Dozer, D-6 or equiv.		$950
Grader, Cat 14-G or equiv.		$950
Vibratory roller		$950
	TOTAL	$3,800

GRAND TOTAL **$20,365**

Compiled by: Jack Stout

Date 03/29/2024

SUMMARY OF CONSTRUCTION COST

SALE Lone Steere Thin Project # 1 LENGTH const 2.5 sta
ROAD A to B (Unsurfaced)

CLEARING AND GRUBBING			Rate			
Road	0.17	ac	@	$14,470.00 /acre	=	$2,460
				TOTAL CLEARING AND GRUBBING =		$2,460

EXCAVATION			Rate			
Construct road	2.5	sta	@	$152.00 /sta	=	$380
Construct Landing	1	Ldg	@	$480.00 /Ldg	=	$480
Shape subgrade (w/ grader)	2.5	sta	@	$22.69 /sta	=	$57
Compact subgrade (w/ roller)	2.5	sta	@	$17.50 /sta	=	$44
				TOTAL EXCAVATION =		$961

Compiled by: Jack Stout
Date: Mar 29, 2024

GRAND TOTAL =====> $3,421

SUMMARY OF CONSTRUCTION COST

SALE Lone Steere Thin Project # 2 LENGTH improve 134.1 sta
ROAD 1 to 2 (Surfaced)

IMPROVEMENT				Rate			
Reestablish ditch (w/ excavator)	1	hr	@	$125.00	/hr	=	$125
Daylight cutting	3	hrs	@	$50.00	/hr	=	$150
Brush Landing (w/ excavator)	0.5	hr	@	$125.00	/hr		$63
Daylight cleanup (w/ excavator)	2	hrs	@	$125.00	/hr	=	$250
Shape surface (w/ grader)	15.0	sta	@	$22.69	/sta	=	$340
Compact surface (w/ roller)	15.0	sta	@	$17.50	/sta	=	$263

TOTAL IMPROVEMENT = $1,191

SURFACING			Size		Rate			
Curve widening rock (Sta. 116+70)	30	CY	3"-0"	@	$34.54	/CY	=	$1,036
Turnout rock (Sta. 111+50)	40	CY	3"-0"	@	$34.54	/CY	=	$1,382
Landing rock (Sta. 123+50, Sta. 126+80, Sta. 134+10)	90	CY	Jaw-Run	@	$33.53	/CY	=	$3,018
Patch rock (Sta. 24+10 and Sta. 25+10)	20	CY	3"-0"	@	$34.54	/CY	=	$691
Spot rock	50	CY	1½"-0"	@	$35.89	/CY	=	$1,795

TOTAL ROCK COST = $7,922

SPECIAL PROJECTS				Rate			
Clean out culverts (Sta. 91+30)	1	culvert	@	$25	ea	=	$25

TOTAL SPECIAL PROJECTS COST = $25

Compiled by: Jack Stout
Date: Mar 29, 2024

GRAND TOTAL =====> $9,138

SUMMARY OF CONSTRUCTION COST

SALE Lone Steere Thin Project # 2 LENGTH improve 26.7 sta
ROAD 3 to 4 (Surfaced/Unsurfaced)

IMPROVEMENT			Rate			
Reestablish ditch (w/ excavator)	0.25	hrs	@ $125.00	/hr	=	$31
Daylight cutting	0.5	hrs	@ $50.00	/hr	=	$25
Daylight cleanup (w/ excavator)	0.5	hrs	@ $125.00	/hr	=	$63
Shape surface (w/ grader)	17.2	sta	@ $22.69	/sta	=	$390
Compact surface (w/ roller)	17.2	sta	@ $17.50	/sta	=	$301
Brush clearing (w/ excavator)	1	hr	@ $125.00	/hr	=	$125
Reopen dirt spur (w/ grader)	9.5	sta	@ $22.69	/sta	=	$216
Compact dirt spur (w/ roller)	9.5	sta	@ $17.50	/sta	=	$166

TOTAL IMPROVEMENT = $1,317

SURFACING			Size		Rate			
Landing rock (Sta. 17+20)	40	CY	Jaw-Run	@	$33.53	/CY	=	$1,341
Patch rock (Sta. 5+60, Sta.10+70, Sta. 12+50)	30	CY	3"-0"	@	$34.54	/CY	=	$1,036

TOTAL ROCK COST = $2,377

SPECIAL PROJECTS			Rate			
Clean out culverts (Sta. 0+70, Sta. 5+60)	2	culverts	@ $25	ea	=	$50

TOTAL SPECIAL PROJECTS COST = $50

Compiled by: Jack Stout
Date: Mar 29, 2024

GRAND TOTAL =====> $3,744

SUMMARY OF CONSTRUCTION COST

SALE Lone Steere Thin Project # 2 LENGTH improve 2.4 sta
ROAD 5 to 6 (unsurfaced)

IMPROVEMENT			Rate			
Re-open road and landing (w/ excavator)	1 hr	@	$125.00 /hr	=	$125	
Remove sod (w/ grader)	2.4 sta	@	$16.95 /sta	=	$41	
Shape subgrade (w/ grader)	2.4 sta	@	$22.69 /sta	=	$54	
Compact subgrade (w/ roller)	2.4 sta	@	$17.50 /sta	=	$42	
				TOTAL IMPROVEMENT =		$262

Compiled by: Jack Stout
Date: Mar 29, 2024

GRAND TOTAL =====>

$262

SUMMARY OF MAINTENANCE COST

SALE Lone Steere Thin

Final log haul Maintenance Cost Estimate
(Costed in appraisal, not in project costs)

Move-in Grader $ 950

Road Segment	Length	Cost/Sta	Cost	Mileage
1 to 2	134.1	$22.69	$3,042.73	2.54
3 to 4 (Sta. 0+00 to 17+20)	17.2	$22.69	$390.27	0.33
Total	151.3		$3,433.00	2.87

Maintenance Rock:

	Volume	Cost/CY	Cost
1½"-0"	150	$35.89	$5,383.50

Grand Total $ 9,766.50

TS Volume 400 MBF

Cost / MBF = $24.42

Rock Haul Cost Computation

SALE NAME: Lone Steere Thin — DATE: Mar 29, 2024
ROAD NAME: Lost Steere Road — CLASS Medium
ROCK SOURCE: Rickard Rock Quarry — 10 CY truck
Route: Blodgett/Nashville

TIME Computation:
Road speed time factors:

1.	55 MPH	12.6	MRT	13.7 minutes
2.	50 MPH		MRT	0.0 minutes
3.	45 MPH	15.0	MRT	20.0 minutes
4.	40 MPH		MRT	0.0 minutes
5.	35 MPH	16.6	MRT	28.5 minutes
6.	30 MPH		MRT	0.0 minutes
7.	25 MPH		MRT	0.0 minutes
8.	20 MPH	10.0	MRT	30.0 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 minutes
Total hauling cycle time for this setting (100% efficiency)		100.70 minutes
Operator efficiency correction	0.85	118.47 minutes
Job efficiency correction	0.90	131.63 minutes
Truck capacity (CY)	10.00	13.16 min/CY
Loading time, delay time per CY		0.25 min/CY
TIME (minutes) per cubic yard		13.41 min/CY

COST per CY computation

Cost of truck and operator per hour	$100.00 /hr.
Cost of truck and operator per minute	$1.67 /min
Cost per CY	$22.39 /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"	$ 13.50	$35.89	$37.39
3" - 0"	$ 12.15	$34.54	$36.04
Jaw-Run	$ 11.14	$33.53	$35.03
Pit-Run	$ 9.45	$31.84	$33.34

TIMBER CRUISE REPORT

Lone Steere Thin
(WO-341-2024- W01097-01)
FY 2024

1. **Sale Area Location:** Portions of Section 10, T10S, R8W, W.M. Lincoln County and Polk County, Oregon.

2. **Fund Distribution:**
   a. **Fund** BOF 0%
   CSL 100%

3. **Sale Acreage by Area:**

Unit	Treatment	Gross Acres	Stream Buffers	Existing Roads	New Roads	Net Sale Acres	Acreage Comp. Method
1	Partial Cut	90	17	5	<1	68	GIS
Total		90	17	5	<1	68	

4. **Cruisers and Cruise Dates:** This sale was cruised by Jackson Stout, Steven Irving and Jeff Kuust in October 2023.

5. **Cruise Method and Computation:** The sale consists of one Partial Cut unit that was cruised using variable radius plot sampling. Unit was cruised using a basal area factor of 20, on a 4x5 chain cruise grid. A total of 15 measure plots and 14 count plots were taken.

   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 and in-unit wildlife trees.

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

6. **Measurement Standards:** Tree heights were measured to the nearest foot, to a top diameter of 5 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 34-year-old Douglas-fir. The average Douglas-fir to be removed is approximately 12 inches DBH, with an average height of 45 feet to a merchantable top. The average volume per acre to be harvested (net) is approximately 5.9 MBF.

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

Unit	Target CV	Target SE	Actual CV	Actual SE
1	40%	15%	23.8%	4.4%

Note: Statistics shown are for Conifer and Hardwood. 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)	R/W (MBF)	Hidden D & B	Hidden D & B (MBF)	Net Sale Volume
1	Douglas-fir	420	4.0%	17	1	1%	4	400
Total		**420**	**4.0%**	**17**	**1**	**1%**	**4**	**400**

Unit	Species	Avg. DBH	Tot. Net Vol.	2-Saw	3-Saw	4-Saw
1	Douglas-fir	12	Grade %	1%	56%	43%
			400	4	224	172
Total			400	4	224	172

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

Prepared by: Jackson Stout Date: 3/28/2024

Unit Forester: [signature] Date: 3/29/24

Revised August, 2002

CRUISE DESIGN
WEST OREGON DISTRICT

Sale Name: Lone Steere Thin **Unit** 1 & 2

Harvest Type: PC
Approx. Cruise Acres: 68 **Estimated CV%** 40 Net BF /Acre **SE% Objective** 15 Net BF /Acre

Planned Sale Volume: 0.45 MMBF **Estimated Sale Area Value/Acre:** $ 1750

A. Cruise Goals: (a) Grade minimum 75 conifer and 0 hardwood trees: (b) Sample 29 cruise plots (15 grade: 14 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 Direction(s) 90/270
   Cruise Line Spacing 4 264 (chains) (feet)
   Cruise Plot Spacing 5 330 (chains) (feet)
   Grade/Count Ratio 1:1

C. Tree Measurements:

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 6", 8" for hardwoods or 40 % of dob at 16' form point. Generally, use 6" 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. 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.

9. **Cruising Equipment:** Relaskop, Rangefinder, Logger's Tape (with dbh on back), Compass, Cruise Cards or Data Recorder, Cruise Design, Cruise Map, Red 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: Jackson Stout
Approved by: _____
Date: 10/2/23

TC PSTATS

PROJECT STATISTICS

PROJECT LONESTR

DATE 3/22/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	08	10	A1_FINAL	00PC	68.00	29	277	1	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	29	277	9.6		
CRUISE	15	129	8.6	14,432	.9
DBH COUNT					
REFOREST					
COUNT	14	148	10.6		
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DF-L	87	115.9	13.8	55	32.5	120.7	12,968	12,776	3,854	3,854
DF-T	36	89.9	11.6	45	19.4	66.2	6,176	5,926	1,865	1,865
R ALDER	5	5.1	11.1	24	1.0	3.4	189	189	61	61
CHERRY	1	1.3	10.0	14	0.2	.7	25	25	9	9
TOTAL	*129*	*212.2*	*12.8*	*50*	*53.3*	*191.0*	*19,358*	*18,917*	*5,789*	*5,789*

CONFIDENCE LIMITS OF THE SAMPLE

67.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 67.1 SD: 1.0

SAMPLE TREES - BF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF-L	43.7	4.6	125	131	137			
DF-T	56.9	9.3	73	80	88			
R ALDER	42.1	20.5	29	36	43			
CHERRY								
TOTAL	*53.4*	*4.6*	*107*	*113*	*118*	*110*	*27*	*12*

CL 67.1 SD: 1.0

TREES/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	21.5	4.0	111	116	121			
DF-T	52.0	9.6	81	90	99			
R ALDER	381.0	70.5	2	5	9			
CHERRY	538.5	99.7	0	1	3			
TOTAL	*26.3*	*4.9*	*202*	*212*	*223*	*28*	*7*	*3*

CL 67.1 SD: 1.0

BASAL AREA/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	12.9	2.4	118	121	124			
DF-T	54.2	10.0	60	66	73			
R ALDER	381.9	70.7	1	3	6			
CHERRY	538.5	99.7	0	1	1			
TOTAL	*22.5*	*4.2*	*183*	*191*	*199*	*20*	*5*	*2*

CL 67.1 SD: 1.0

NET BF/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	14.0	2.6	12,445	12,776	13,107			
DF-T	56.7	10.5	5,305	5,926	6,548			
R ALDER	412.3	76.3	45	189	334			
CHERRY	538.5	99.7	0	25	50			
TOTAL	*23.8*	*4.4*	*18,083*	*18,917*	*19,751*	*23*	*6*	*3*

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 3/22/2024

T10S R08W S10 Ty00PC 68.00

Project LONESTR
Acres 68.00

Time: 2:06:00PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF	L	8	1	87	66	3.974	1.39	3.97	8.0	30.0		32	119		22	8
DF	L	9	2	88	49	6.280	2.77	6.28	8.5	30.0		53	188		36	13
DF	L	10	2	83	56	5.087	2.77	5.09	11.0	35.0		56	178		38	12
DF	L	11	7	88	65	14.714	9.71	21.02	12.1	37.0		254	778		173	53
DF	L	12	9	89	74	15.897	12.49	28.26	13.3	44.4		374	1,254		255	85
DF	L	13	8	90	82	12.040	11.10	24.08	15.5	51.9		373	1,249		254	85
DF	L	14	6	88	77	7.786	8.32	15.57	16.7	56.7		260	882		176	60
DF	L	15	17	88	83	19.217	23.58	38.43	20.4	67.1		782	2,577		532	175
DF	L	16	15	88	85	14.903	20.81	29.81	23.9	80.3		711	2,394		484	163
DF	L	17	8	89	81	7.041	11.10	14.08	26.2	87.5		369	1,232		251	84
DF	L	18	8	86	88	6.280	11.10	12.56	31.2	101.9		393	1,280		267	87
DF	L	19	2	89	90	1.409	2.77	2.82	36.0	120.0		101	338		69	23
DF	L	20	2	89	83	1.272	2.77	2.54	37.5	120.0		95	305		65	21
DF	L	Totals	87	88	76	115.900	120.69	204.52	18.8	62.5		3,854	12,776		2,621	869
DF	T	8	1	86	44	5.269	1.84	5.27	5.0	20.0		26	105		18	7
DF	T	9	3	91	52	12.488	5.52	12.49	9.0	30.0		112	375		76	25
DF	T	10	4	87	54	13.488	7.36	13.49	11.7	35.0		158	472		108	32
DF	T	11	9	88	69	25.080	16.55	39.01	11.4	34.3		446	1,338		303	91
DF	T	12	4	91	76	9.366	7.36	18.73	11.5	40.0		215	749		146	51
DF	T	13	3	88	84	5.986	5.52	11.97	15.2	50.0		182	599		123	41
DF	T	14	5	85	84	8.602	9.20	17.20	18.1	54.0		311	929		212	63
DF	T	15	4	88	79	5.994	7.36	10.49	22.0	71.4		231	749		157	51
DF	T	16	1	89	86	1.317	1.84	2.63	24.5	90.0		65	237		44	16
DF	T	17	2	83	80	2.333	3.68	4.67	25.3	80.0		118	373		80	25
DF	T	Totals	36	88	67	89.924	66.21	135.96	13.7	43.6		1,865	5,926		1,268	403
RA		10	1	86	66	1.264	.69	1.26	16.0	60.0		20	76		14	5
RA		11	3	86	29	3.135	2.07	3.14	9.3	26.7		29	84		20	6
RA		13	1	86	41	.748	.69	.75	16.0	40.0		12	30		8	2
RA		Totals	5	86	40	5.148	3.45	5.15	11.9	36.8		61	189		42	13
CH		10	1	86	17	1.264	.69	1.26	7.0	20.0		9	25		6	2
CH		Totals	1	86	17	1.264	.69	1.26	7.0	20.0		9	25		6	2
Totals			129	88	71	212.236	191.03	346.89	16.7	54.5		5,789	18,917		3,937	1,286

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T10S R08W S10 Ty00PC 68.00

Project: **LONESTR**

Acres **68.00**

Page **1**

Date **3/22/2024**

Time **2:05:59PM**

Spp	St	So Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF	L	DO 2M	4	2.3	606	592	40			100					100	40	12	214	1.43	2.8
DF	L	DO 3M	73	1.6	9,397	9,249	629		100					9	91	39	9	106	0.80	87.3
DF	L	DO 4M	23	1.0	2,965	2,935	200	86	14			28	32	14	25	24	5	26	0.36	114.4
DF	**Totals**		68	1.5	12,968	12,776	869	20	76	5		6	7	10	76	30	7	62	0.62	204.5
DF	T	DO 2M	1		117	117	8			100		100				20	12	100	1.35	1.2
DF	T	DO 3M	56	4.8	3,473	3,306	225		100				4	20	76	38	8	81	0.66	40.8
DF	T	DO 4M	43	3.2	2,586	2,504	170	81	19			23	27	21	29	25	5	27	0.34	94.0
DF	**Totals**		31	4.0	6,176	5,926	403	34	64	2		12	14	20	54	29	6	44	0.47	136.0
RA		DO CR	100		189	189	13		100			44	16	40		24	7	37	0.50	5.1
RA	**Totals**		1		189	189	13		100			44	16	40		24	7	37	0.50	5.1
CH		DO CR	100		25	25	2		100			100				14	8	20	0.50	1.3
CH	**Totals**		0		25	25	2		100			100				14	8	20	0.50	1.3
Totals				2.3	19,358	18,917	1,286	24	72	4		9	10	13	68	30	6	55	0.56	346.9

TC PLOGSTVB

Log Stock Table - MBF

T10S R08W S10 Ty00PC 68.00

Project: LONESTR
Acres 68.00

Date 3/22/2024
Time 2:05:59PM

Spp	ST	Sort	Grade	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	DO	2M	40	41	2.3	40	4.6						40						
DF	L	DO	3M	32	26	2.6	26	3.0			9	8	9							
DF	L	DO	3M	34	32		32	3.7			17	15								
DF	L	DO	3M	36	4		4	.5			4									
DF	L	DO	3M	38	60		60	6.9			8	33	19							
DF	L	DO	3M	40	517	1.8	507	58.4			62	223	222							
DF	L	DO	4M	12	9		9	1.1		9	1									
DF	L	DO	4M	14	10		10	1.2		8	1	1								
DF	L	DO	4M	16	12		12	1.4		10	2									
DF	L	DO	4M	18	13		13	1.5		12	1									
DF	L	DO	4M	20	12		12	1.4		12										
DF	L	DO	4M	24	15	10.1	14	1.6		14										
DF	L	DO	4M	26	11		11	1.2		11										
DF	L	DO	4M	28	17		17	2.0		17										
DF	L	DO	4M	30	23		23	2.6		19	4									
DF	L	DO	4M	32	22		22	2.6		22										
DF	L	DO	4M	34	7	7.1	6	.7		6										
DF	L	DO	4M	36	10		10	1.1		10										
DF	L	DO	4M	38	6		6	.7		6										
DF	L	DO	4M	40	35		35	4.0		17	7	11								
DF		Totals			882	1.5	869	67.5		172	117	290	250	40						
DF	T	DO	2M	20	8		8	2.0						8						
DF	T	DO	3M	30	9		9	2.4			9									
DF	T	DO	3M	32	23		23	5.8				11	12							
DF	T	DO	3M	34	21		21	5.3			10	12								
DF	T	DO	3M	36	10		10	2.4			10									
DF	T	DO	3M	38	24	3.3	24	5.8				11	13							
DF	T	DO	3M	40	148	7.1	138	34.1			52	72	13							
DF	T	DO	4M	12	14		14	3.5		9	5									
DF	T	DO	4M	14	3		3	.8		3										
DF	T	DO	4M	16	12		12	2.9		8	4									
DF	T	DO	4M	18	10		10	2.5		3	7									
DF	T	DO	4M	24	14	7.4	13	3.1		13										
DF	T	DO	4M	26	6		6	1.5		6										
DF	T	DO	4M	30	28		28	6.9		18	9									
DF	T	DO	4M	32	38	10.1	34	8.4		26	8									

TC PLOGSTVB

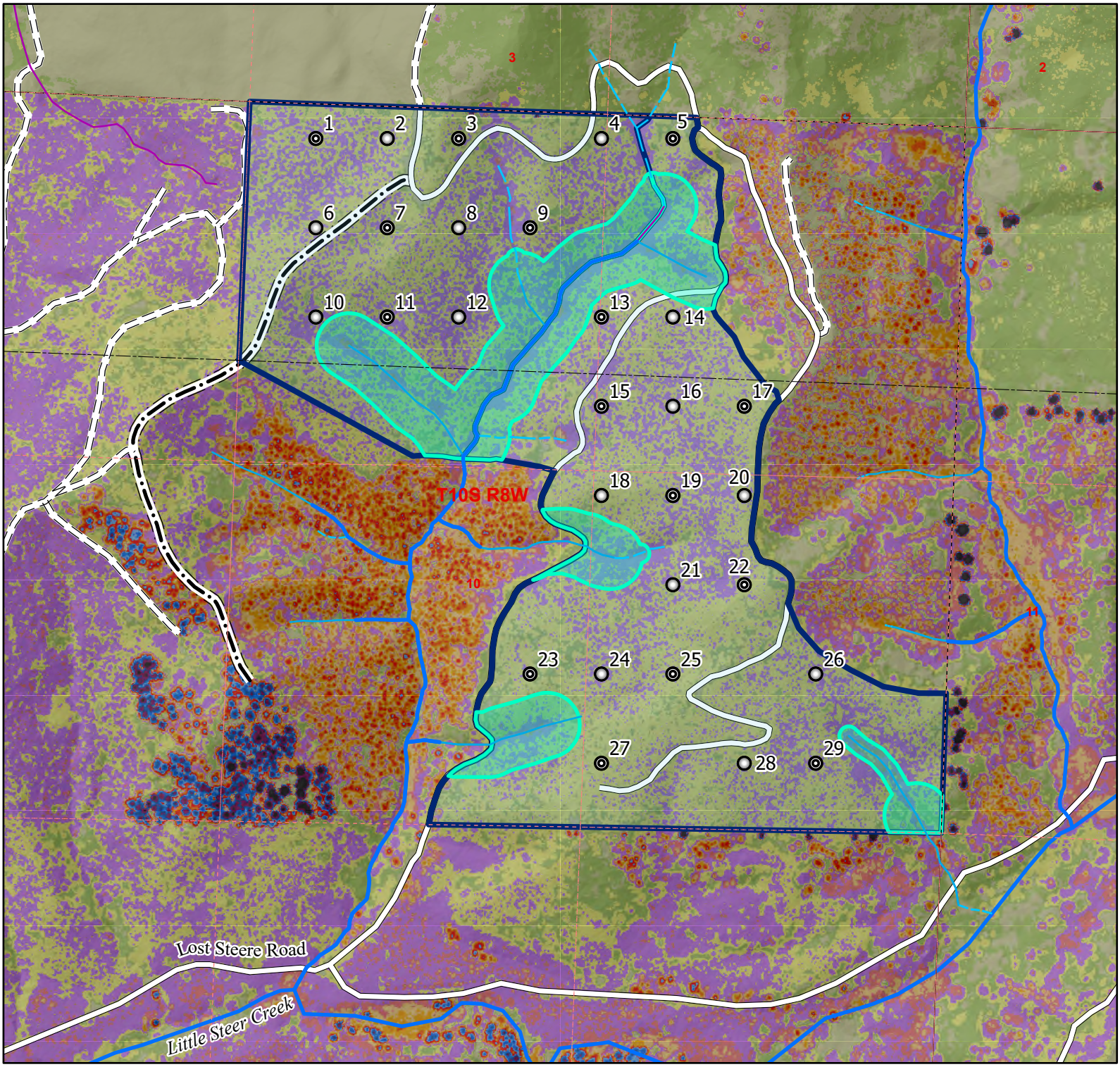
Log Stock Table - MBF

T10S R08W S10 Ty00PC 68.00

Project: LONESTR
Acres 68.00

Page 2
Date 3/22/2024
Time 2:05:59PM

Spp	ST	Sort	Grade	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	T	DO	4M	34	3	25.0	2	.6		2										
DF	T	DO	4M	38	18		18	4.6		18										
DF	T	DO	4M	40	30		30	7.5		30										
DF		Totals			420	4.0	403	31.3		137	114	105	38	8						
RA		DO	CR	18	1		1	11.0			1									
RA		DO	CR	20	4		4	33.1			4									
RA		DO	CR	26	2		2	15.8			2									
RA		DO	CR	34	5		5	40.1			5									
RA		Totals			13		13	1.0			13									
CH		DO	CR	14	2		2	100.0				2								
CH		Totals			2		2	.1				2								
Total		All Species			1,316	2.3	1,286	100.0		310	243	397	288	48						



Legend

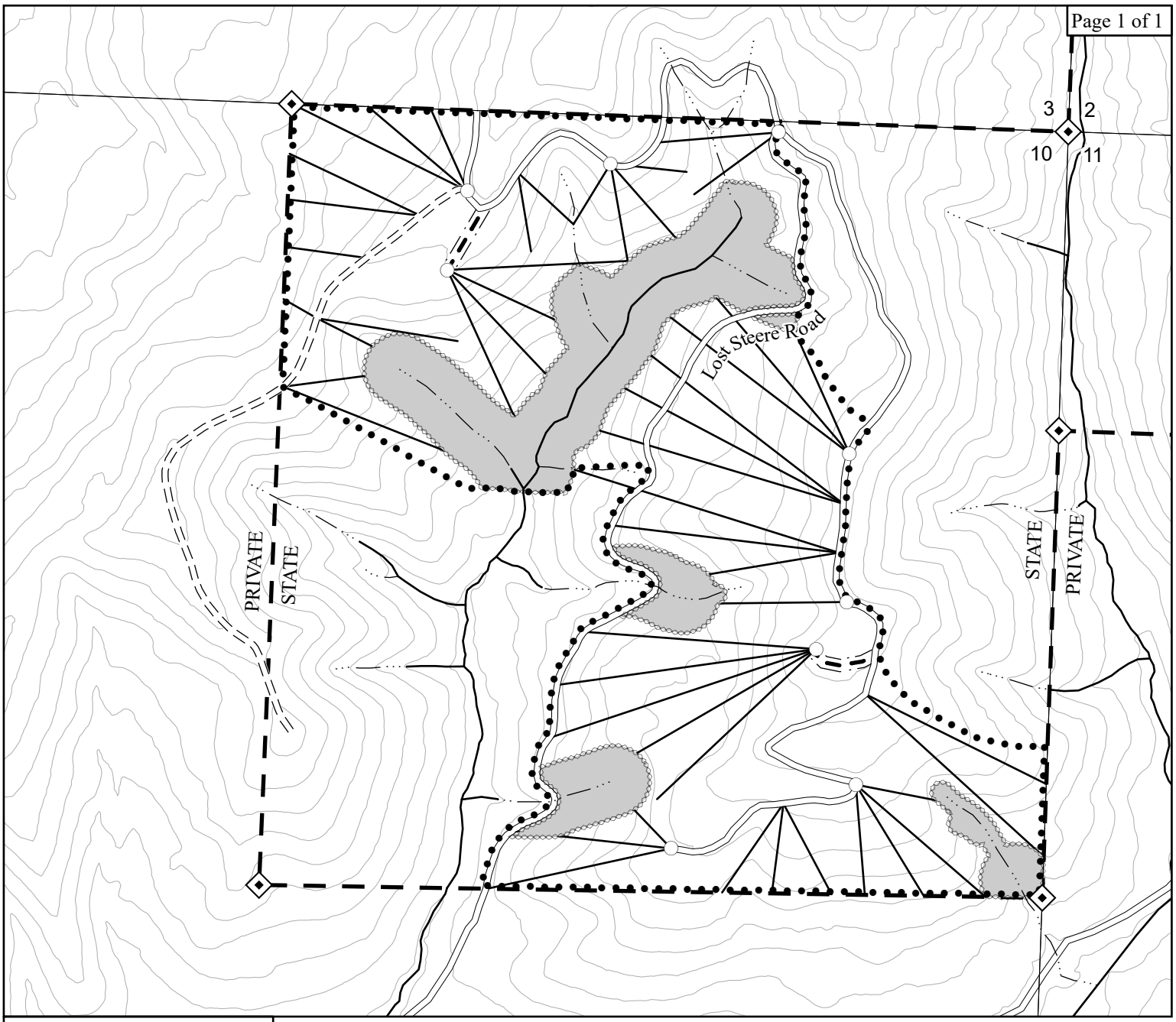
- Count
- Measure
- Fish
- Nonfish,Perennial
- Nonfish,Seasonal
- StreamBuffers_Prep
- Gross_Boundary_Prep

Lone Steere Thin Cruise Map
Section 10 of T10S, R8W
Polk/Benton County, Oregon
Units 1&2
BAF: 20
PBA:120
Spacing: 4 X 5 Chains
Line Bearing: 90/270

N
W E
S

Scale: 1:6,000

1,000 500 0 1,000 Feet



Legend

- Timber Sale Boundary
- Ownership
- Stream Buffer
- Surfaced Road
- Unsurfaced Road
- New Road Construction
- Right-of-Way
- Type F Stream
- Type N Stream
- Cable Corridor
- Landing
- Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2024-W01097-01
LONE STEERE THIN
PORTIONS OF SECTION 10, T10S, R08W, W.M.,
LINCOLN AND POLK COUNTIES, OREGON

AREA	CABLE ACRES	TRACTOR ACRES
1 (PC)	56	12
Total	56	12

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N

Scale

1:6,000

0 500 1,000 2,000 Feet

03/28/2024