



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Chuckee GNA
Sale SW-341-2025-GF8923-01

District: Southwest

Date: March 21, 2023

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$165,548.84	\$0.00	\$165,548.84
		Project Work:	(\$27,697.35)
		Advertised Value:	\$137,851.49



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Timber Description

Location: T18S, R5E, Sec 31; T18S, R6E, Sec. 32; & T19S, R5.5E, Sec. 03, W.M., Lane County, Oregon.

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	12	0	90
Western Hemlock / Fir	10	0	90

Volume by Grade	3S & 4S 6"-11"	Total
Douglas - Fir	550	550
Western Hemlock / Fir	8	8
Total	558	558

Comments: Please see attached Road and Projects cost summary worksheet.



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Logging Conditions

Combination#: 1
Douglas - Fir 100.00%
Western Hemlock / Fir 100.00%

Logging System: Wheel Skidder **Process:** Harvester Head Delimbing
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 12 **bd. ft / load:** 3700
cost / mbf: \$168.92
machines: Forwarder
Harvester

Combination#: 2
Logging System: Cable: Small Tower <=40 **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: 6.5 **bd. ft / load:** 3700
cost / mbf: \$282.72
machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Small)



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Logging Costs

Operating Seasons: 2.00	Profit Risk: 10%
Project Costs: \$27,697.35	Other Costs (P/R): \$18,620.30
Slash Disposal: \$8,281.56	Other Costs: \$9,910.00

Miles of Road

Road Maintenance: \$6.84

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

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	2.0	4.0
Western Hemlock / Fir	\$0.00	2.0	4.0



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Chuckee GNA Sale SW-341-2025-GF8923-01

District: Southwest

Date: March 21, 2023

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$168.92	\$7.52	\$62.33	\$171.88	\$33.37	\$44.40	\$14.84	\$2.00	\$17.76	\$523.02
Western Hemlock / Fir									
\$168.92	\$7.52	\$62.33	\$171.88	\$33.37	\$44.40	\$14.84	\$2.00	\$17.76	\$523.02

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$823.00	\$299.98	\$0.00
Western Hemlock / Fir	\$0.00	\$593.00	\$69.98	\$0.00



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Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	550	\$299.98	\$164,989.00
Western Hemlock / Fir	8	\$69.98	\$559.84

Gross Timber Sale Value

Recovery: \$165,548.84

Prepared By: Matthew Luciani

Phone: --

CHUCKEE GNA PROJECT COSTS

Project No. 1 Road Improvement (includes grading, blading, etc.)

ROAD IMPROVEMENT:

		Rocking				
Segments	Length	Pit Run 6"+	Other (endhaul/soil)	1.5"- 0" Crushed	Culverts 1.5"- 0"	Construct \$
NF-430	6+23			19 cy		\$882.45
NF-431	133+02			399 cy		\$12,190.73
NF-432	29+00	90 cy		87 cy		\$4,749.29
NF-434	12+01	30 cy		36 cy		\$1,915.02
Totals	180+26	120 cy		541 cy		\$19,737.49

Miles	3.42					
					Project No 1	\$19,737.49

ROCK SOURCES:

Rock Totals					
Location	Size of Rock	Needed for Roads	Est to pull up from ro	Stockpile	Total to Crush
Commerical site	1.5"- 0" Crushed	541 cy	n/a	cy	541 cy
Reclaim Rock (Pull up ~ 70%)	6" - 0"	cy	n/a		n/a
Commerical site	Pit run 8"+	120 cy	n/a	Load from Pit	120 cy

Project No. 2 Decommission of temporary roads and landings

DECOMMISSION COST ANALYSIS	Total Cost=	\$7,960
Chuckee GNA		
SW-341-2025-GF8923-01		
Kolton Vickers		
09/06/2023		

NEW CONSTRUCT TEMP ROADS			Construction/Reconstruction	Decommission
Unit	Feet	Mile	\$ (\$10,000/mile)	\$ (\$4,000/mile)
Unit 1A	431	0.082	\$ 816.29	\$ 326.52
Unit 1B	119	0.023	\$ 225.38	\$ 90.15
Unit 1C	297	0.056	\$ 562.50	\$ 225.00
Unit 2A	711	0.135	\$ 1,346.59	\$ 538.64
			\$-	\$-
			\$-	\$-
Total=	1558	0.295	\$ 2,950.76	\$ 1,180.30

EXSISTING TEMP ROADS				
Unit	Feet	Mile	\$ (\$10,000/mile)	\$ (\$4,000/mile)
	782	0.148	\$ 1,481.06	\$ 592.42
	298	0.056	\$ 564.39	\$ 225.76
	100	0.019	\$ 189.39	\$ 75.76
		0	\$-	\$-
		0	\$-	\$-
		0	\$-	\$-
Total=	1180	0.223	\$ 2,234.85	\$ 893.94

Slash Disposal Breakdown

Move-in				
\$/hr loaded transport	\$/hr x # of pilots	# of hours move in cycle	# of equipment (excavator)	Total
120	44	4	1	\$656.00

Total Slash Disposal Cost	\$8,281.56
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Equipment Weed Wash				
\$/hr loaded transport	\$/hr x # of pilots/wash personell	Wash time	# of equipment (excavator)	Total
120	22	2.5	\$1.00	\$355.00

Roadside Grapple Piling along system roads and temp spurs		
\$/mile	# of Miles	Total
1000	0.519	\$518.56

Pile landing slash		
# of piles	\$/hr	Total
7	100	\$700.00

Hand Piling slash (helicopter units only)		
# of acres	\$/acre	Total
	\$1,400.00	\$-

In Unit Piling (2 per acre)		
# of acres	\$/acre	Total
58	\$50	\$2,900.00

Covering Piles			
\$/pile	# of Piles	\$/hr x # of personell x # of hours	Total
12	116	1760	\$3,152.00

Other Costs with Profit and Risk to be Added

New and Existing Temporary road reconstruction:			
	\$/mile	# of miles	Total
THIS IS APPLIED TO PROJECT NO. 4	\$10,000.00		\$-
Prior to wet weather season or heavy rain events, landings and temporary roads water barred:			
	\$/season	# of Seasons	Total
	\$1,000.00	2	\$2,000.00
Temporary road subsoiled to depth of 20 inches, water bars installed, seeded, mulched and entrance blocked:			
	\$/mile	# of miles	Total
	\$4,000.00	0.295	\$1,180.30
Landing subsoiled to depth of 20 inches, seeded, and application of mulch or weed-free straw:			
	\$/landing	# of landings	Total
	\$100.00	7	\$700.00
Primary skid trail subsoiled to depth of 20 inches, water bars installed, seeded, mulched and entrance blocked:			
	\$/skid trail	# of skid trails	Total
	\$1,000.00	4	\$4,000.00
Application of weed-free straw of all disturbed sites with seed provided by STATE (disposal sites and other areas determined by State)			
	FLAT RATE =		\$2,000.00

Intermediate support/tail trees:		
\$/support	# of supports	Total
\$100.00	5	\$500.00
Artificial anchor (dead man):		
\$/achor	#/anchor	Total
Dust Abatement/Water Supply		
\$/hour	# of hours (dry season)	Total
\$103.00	80	\$8,240.00
Total Other Costs (With Profit & Rick to be added)		\$18,620.30

Other Costs with No Profit and Risk to be Added

Equipment Move-in ((\$/hr + (\$/hr x # of pilots)) x # hr move cycle x # machines)					
\$/hr	\$/hr	# of pilots	# of hours move cycle	# of Machines	Total
\$120.00	\$22.00	2	5	5	\$4,100.00
Equipment Weed Wash: ((\$/hr + (\$/hr x # of pilots)) x time to weed wash)) x number of machines					
\$/hr	\$/hr	# of pilots	Time to weed wash	# of Machines	
120	22	2	2.5	5	\$2,050.00
Firewood sorting & landing piling:					
		# of landings		\$/landings	Total
		7		\$180.00	\$1,260.00
Machine Time to Block/waterbar roads and skid trails					
		# of hours		\$/hr	Total
		10		\$150.00	\$1,500.00
Tree Marking (painting Rx, corridors, landings, etc.)					
	# of persona	# of hours	\$/hour	Supplies	Total
	2	40	\$10.00	\$200.00	\$1,000.00
Total Other Costs					\$9,910.00

Identify Road Maintenance Costs

Move In			
	Total		\$4,000.00
General Road Maintenance			
# of miles	\$/mile	Total	
3.42		\$1,200.00	\$4,104.00
Total Road Maintenance			
total general road ma	Total Net Volume (mbf)	\$/MBF	
\$4,104.00	600		\$6.84

PROJECT NO. 1											
ROAD IMPROVEMENT											
Sale:	Chuckee GNA			Road Segment: NF-430							
ROAD IMPROVEMENT:											
Road Improvement (Grading and Brushing) Final Road Maintance				Quantity	Designed Cubic Yards/Station				Cost per		
				Station or Acre	Dissapator 6"+	1.5"- 0"	Bedding 1.5"	Soil	Station or Acre	Sum \$	
				6+23		3 cy			\$ 43.00	\$ 267.89	
				6+23					\$ 50.00	\$ 311.50	
									\$ 50.00	\$ -	
									\$ 150.00	\$ -	
										\$ -	
SUB-TOTAL										\$ 579.39	
CULVERTS:											
Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install \$	Sum \$	
				\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	
CPP = corrugated plastic pipe									Total	\$ -	
ACSP = aluminum corrugated steel pipe											
				Quantity	Seed	Cost	Sub Total	Install \$	Sum \$		
Seed/mulch (1-bales and 1-lbs seed per culvert site)					\$ 5.00	\$ 8.50	\$ -	\$ 15.00	\$ -		
Install 6' long steel "T" post.						\$ 8.50	\$ -	\$ 20.00	\$ -		
Install outlet dissipator.						\$ 75.00	\$ -		\$ -		
										\$ -	
SUB-TOTAL										\$ -	
SURFACING:											
Size	Roads	Landing	Ditch Soils	Two-way Junctions	Culvert Bedding	Turn outs	Dissipator (cy/pipe)	Total	Haul only	Cost	
1.5"- 0"	19 cy							19 cy	\$ 16.22	\$ 303.06	
other								cy	\$ 16.22	\$ -	
Pit Run 6"+								cy	\$ 16.22	\$ -	
Total =								19 cy			
SUB-TOTAL										\$ 303.06	
GRAND TOTAL										\$ 882.45	

PROJECT NO. 1											
ROAD IMPROVEMENT											
Sale:		Chuckee GNA					Road Segment: NF-431				
ROAD IMPROVEMENT:											
Road Improvement (Grading, etc.)			Quantity	Designed Cubic Yards/Station				Cost per			
			Station or Acre	Dissapator 6"+	1.5"- 0"	Bedding 1.5"	Soil	Station or Acre	Sum \$		
			133+02		3 cy			\$ 43.00	\$ 5,719.86		
								\$ 5.50	\$ -		
								\$ 50.00	\$ -		
								\$ 150.00	\$ -		
final maintenance								\$ 50.00	\$ -		
			133+02					\$ 50.00	\$ 6,651.00		
			SUB-TOTAL							\$ 5,719.86	
CULVERTS:											
Description		Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install \$	Sum \$
					\$ -	\$ -	1		\$ -	\$ -	
CPP = corrugated plastic pipe									Total	\$ -	
ACSP = aluminum corrugated steel pipe											
Seed/mulch (1-bales and 1-lbs seed per culvert site)				Quantity	Seed	Cost	Sub Total	Install \$	Sum \$		
				1	\$ 5.00	\$ 8.50	\$ 13.50	\$ 15.00	\$ 28.50		
				1		\$ 8.50	\$ 8.50	\$ 20.00	\$ 28.50		
				1		\$ 75.00	\$ 75.00		\$ 75.00		
Install 6' long steel "T" post.											
Install outlet dissipator.											
SUB-TOTAL									\$ -		
SURFACING:											
Size	Roads	Landing	Ditch Soils	Two-way Junctions	Culvert Bedding	Turn outs	Dissipator (cy/pipe)	Total	Haul only	Cost	
1.5"- 0"	399 cy							399 cy	\$ 16.22	\$ 6,470.87	
other								cy	\$ 16.22	\$ -	
Pit Run 6"+								cy	\$ 16.22	\$ -	
Total =								399 cy	SUB-TOTAL		\$ 6,470.87
GRAND TOTAL									\$ 12,190.73		

PROJECT NO. 1										
ROAD IMPROVEMENT										
Sale:		Chuckee GNA							Road Segment:	NF-432
ROAD IMPROVEMENT:										
				Quantity	Designed Cubic Yards/Station				Cost per	
				Station or Acre	Pit Run 8"+	1.5"- 0"	Other	Soil	Station or Acre	Sum \$
Road Improvement (Grading, etc.)				29+00		3 cy			\$ 43.00	\$ 1,247.00
Final Road Maintance				29+00					\$ 50.00	\$ 1,450.00
Landing Construction				3	30 cy				\$ 50.00	\$ 150.00
									SUB-TOTAL	\$ 2,847.00
CULVERTS:										
Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install \$	Sum \$
				\$ -	\$ -	0	\$ -	\$ -	\$ -	\$ -
CPP = corrugated plastic pipe									Total	\$ -
ACSP = aluminum corrugated steel pipe										
					Quantity	Seed	Cost	Sub Total	Install \$	Sum \$
Seed/mulch (1-bales and 1-lbs seed per culvert site)						\$ 5.00	\$ 8.50	\$ -	\$ 15.00	\$ -
Install 6' long steel "T" post.							\$ 8.50	\$ -	\$ 20.00	\$ -
Install outlet dissipator.							\$ 75.00	\$ -		\$ -
										\$ -
									SUB-TOTAL	\$ -
SURFACING:										
Size	Roads	Landing	Turn Arouds	Two-way Junctions	Culvert Bedding	Turn outs	Dissipator (cy/pipe)	Total	Haul only	Cost
1.5"- 0"	87 cy							87 cy	\$ 16.22	\$ 1,410.73
other								cy		\$ -
Pit Run 6"+		90 cy						90 cy	\$ 5.46	\$ 491.56
								Total =	177 cy	
									SUB-TOTAL	\$ 1,902.29
									GRAND TOTAL	\$ 4,749.29

PROJECT NO. 1											
ROAD IMPROVEMENT											
Sale:		Chuckee GNA						Road Segment: NF-434			
ROAD IMPROVEMENT:											
				Quantity	Designed Cubic Yards/Station				Cost per		
				Station or Acre	Pit Run 6"+	1.5"- 0"	other	Soil	Station or Acre	Sum \$	
Road Improvement (Grading, etc.)				12+01		3 cy			\$ 43.00	\$ 516.43	
Landing Improvement				1	30 cy				\$ 50.00	\$ 50.00	
Final Road Maintance				12+01					\$ 50.00	\$ 600.50	
									SUB-TOTAL	\$ 1,166.93	
CULVERTS:											
Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install \$	Sum \$	
				\$ -	\$ -	0	\$ -	\$ -	\$ -	\$ -	
CPP = corrugated plastic pipe									Total	\$ -	
ACSP = aluminum corrugated steel pipe											
						Quantity	Seed	Cost	Sub Total	Install \$	Sum \$
Seed/mulch (1-bales and 1-lbs seed per culvert site)							\$ 5.00	\$ 8.50	\$ -	\$ 15.00	\$ -
Install 6' long steel "T" post.								\$ 8.50	\$ -	\$ 20.00	\$ -
Install outlet dissipator.								\$ 75.00	\$ -		\$ -
										\$ -	
									SUB-TOTAL	\$ -	
SURFACING:											
Size	Roads	Landing	Turn Arouds	Two-way Junctions	Culvert Bedding	Turn outs	Dissipator (cy/pipe)	Total	Haul only	Cost	
1.5"- 0"	36 cy							36 cy	\$ 16.22	\$ 584.24	
other										\$ -	
Pit Run 6"+		30 cy						30 cy	\$ 5.46	\$ 163.85	
								Total = 66 cy			
									SUB-TOTAL	\$ 748.09	
GRAND TOTAL										\$ 1,915.02	

Road Segment: 430				Point to Point		Sta. to Sta.		Total Volume (CY)
Application	Rock Size/Type	Location	Rock Depth	A to B Volume (CY) Per		0+00 to 6+23 Number of		
Road Top Rock (Pot holes)	1.5"- 0" Crushed	0+00 to 6+23	varies	Station	3	Stations	6.23	19
Total Rock for Road Segment:								19
Road Segment: 431				Point to Point		Sta. to Sta.		Total Volume (CY)
Application	Rock Size/Type	Location	Rock Depth	B to C Volume (CY) Per		0+00 to 133+02 Number of		
Road Top Rock (Pot holes)	1.5"- 0" Crushed	0+00 to 133+02	Varies	Station	3	Stations	133.02	399
Total Rock for Road Segment:								399
Road Segment: 432				Point to Point		Sta. to Sta.		Total Volume (CY)
Application	Rock Size/Type	Location	Rock Depth	B1 to D Volume (CY) Per		0+00 to 29+00 Number of		
Road Top Rock (Pot holes)	1.5"- 0" Crushed	0+00 to 29+00	Varies	Station	3	Station	29	87
Landing	Pit Run	21+27	Varies	Site	30	Site	1	30
Landing	Pit Run	23+00	Varies	Site	30	Site	1	30
Landing	Pit Run	25+96	Varies	Site	30	Site	1	30
Total Rock for Road Segment:								177
Road Segment: 434				Point to Point		Sta. to Sta.		Total Volume (CY)
Application	Rock Size/Type	Location	Rock Depth	C to E Volume (CY) Per		0+00 to 12+01 Number of		
Round Top Rock (Pot holes)	1.5"-0" Crushed	0+00 to 12+01	Varies	Station	3	Stations	12.01	36
Landing	Pit Run	6+35	Varies	Site	30	Site	1	30
Total Rock for Road Segment:								66

Road Surfacing Summary			
Sizes	6"+ Pit Run	Reclaim	1.5"-0 Crushed
Rock Totals	120 cy	0 cy	541 cy

CRUISE REPORT
Chuckee GNA
Contract No. SW-341-2025-GF8923-01

1. **Locations:** T18S, R5E, Sec 31; T18S, R6E, Sec. 32; & T19S, R5.5E, Sec. 03, W.M., Lane County, Oregon.

2. **Cruise Design:**

A Coefficient of Variation of 60% and an average stand diameter of 12.1 inches (take trees) is estimated prior to cruising. For sales of this size and approximate value, ODF cruise standards require a sampling error of 13% at a 68% confidence level. Based on silvicultural prescription, the cruise design chosen for this sale is a variable radius sample plot cruise of 1 stratum, consisting of areas 1, 2, 11, and 12. The cruise used a 40 BAF.

3. **Sampling Methods:**

Plots were laid out on a 330 ft. x 198 ft. grid. Plots falling on or near the Timber Sale Boundary or existing roads were offset 1 chain (66 ft.). Odd plots are count and even plots are measure. Take trees were cruised based on each Area's silviculture prescription.

4. **Cruise Report:**

Additional and more specific cruise summaries are included in the SuperAce outputs: Project Statistics, Stand Table Summary, Log Stock Table, and Species, Sort, Grade Table.

5. **Tree Measurement and Grading:**

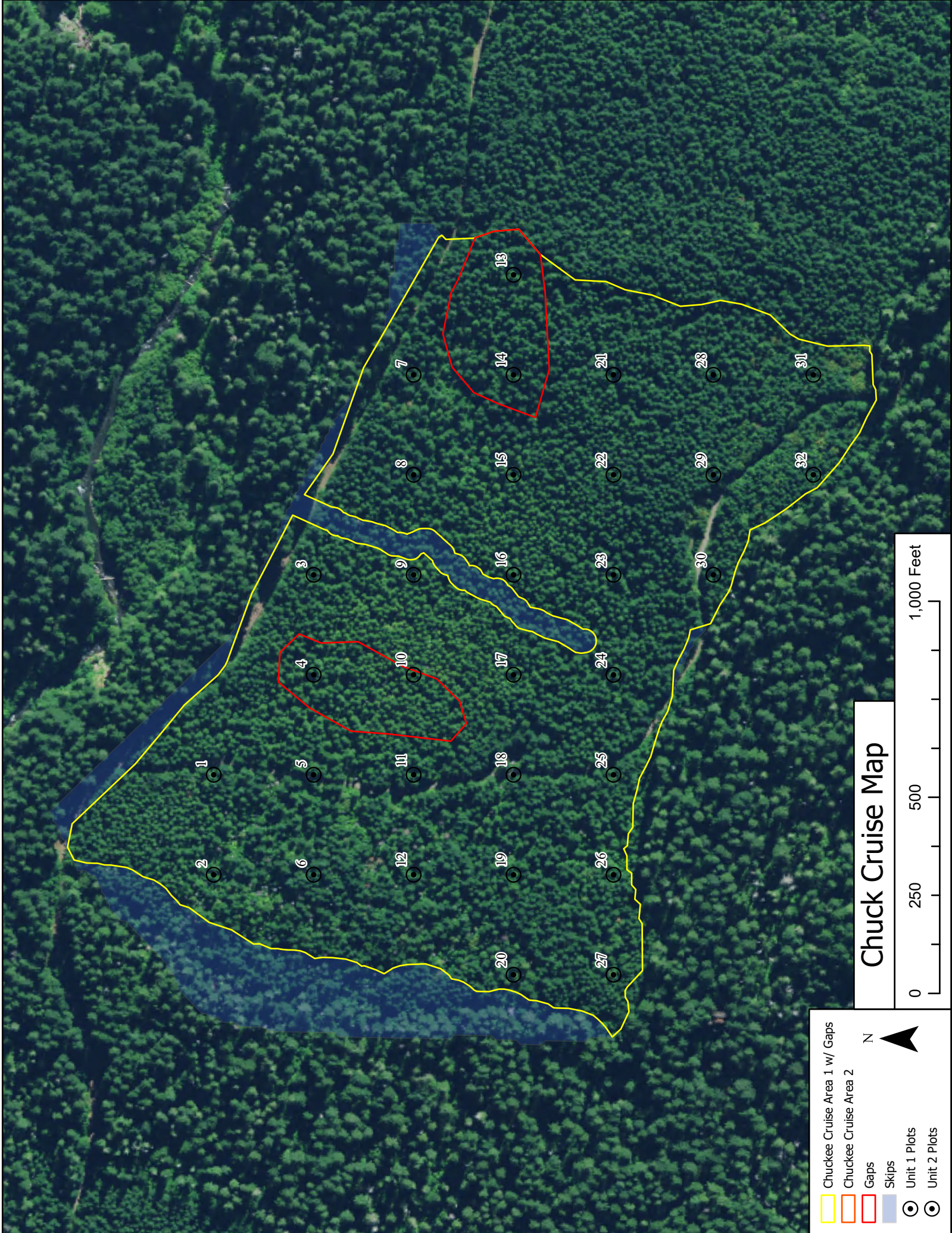
All grade plot sample trees were measured and graded following Columbia River Log Scale grade rules.

- a) **Height Standards:** Total tree heights were measured to the nearest foot. Bole heights are measured to a minimum of a 6" DIB.
- b) **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest tenth of an inch. Minimum merchantable diameter is 8" DBH for all conifers. In gaps, minimum merchantable diameter is 7" DBH.
- c) **Form Factors:** Measured or estimated for each grade tree using a form point of 16 feet.
- d) **Tree Segments:** Log segments were recorded in 40' lengths whenever possible. Preferred lengths are 40', 38', 36', 32', 28', 26', and descending 2' multiples. The maximum segment is 40' and the minimum is 12' for all grades.
- e) **Sort and Grade:** Conifer was graded to a merchantable top specified by the official log scaling rules. For all Douglas-fir, 2S segments were graded to a 12" top DIB and minimum net volume 60 bf (12' @ 12"), 3S to 6" top DIB and minimum net volume 50 bf (34' @ 6") and 4S to a 6" top DIB and minimum net volume 10 bf (5' @ 6").
- f) **Field Procedures:** Mark plot center with blue pin flag or a stick with green flagging with plot number written on it. Flag 'likely take' trees in green.

5. **Data Processing:**

- a) **Volumes and Statistics,** Cruise, volume estimates and sampling statistics were derived from Super Ace 2008 cruise software.
- b) **Deductions:** An estimate visible defect or damage as a length deduction, diameter deduction, or percentage deduction was made. A 4 percent volume deduction will be used for all species and log segments to account for hidden defect and breakage in addition to any visible defect.
- c) **Acreage:** The total timber sale area is 58 net acres.

6. **Cruisers:** The sale was cruised by ODF cruisers Kolton Vickers, Matt Luciani, Connor Reardon, and Easton McVeigh-Walker.



Chuckee Cruise Area 1 w/ Gaps

Chuckee Cruise Area 2

Gaps

Skips

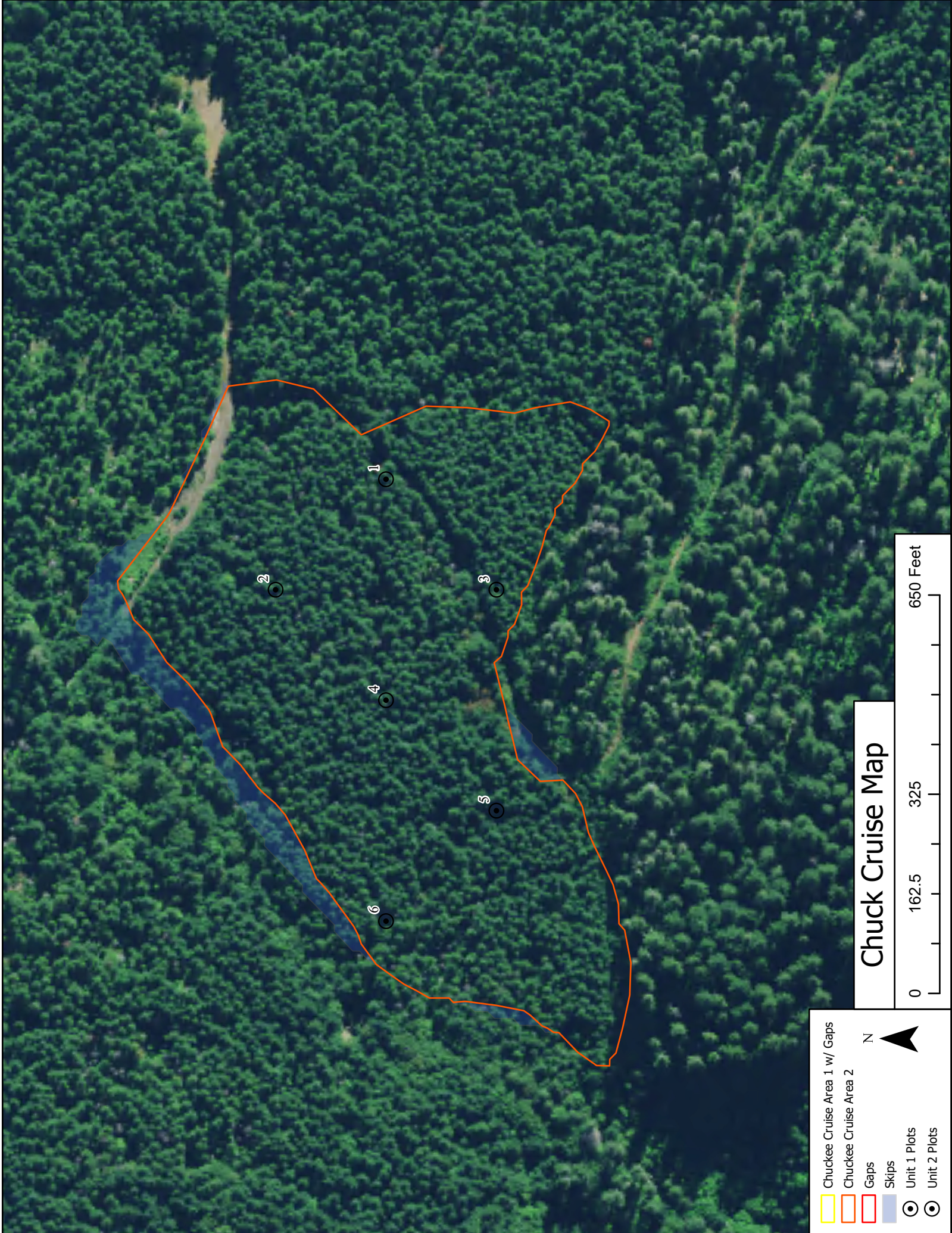
Unit 1 Plots

Unit 2 Plots

N

Chuck Cruise Map

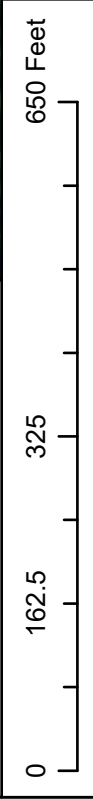
A horizontal scale bar with tick marks at 0, 250, 500, and 1,000 feet. The text "0", "250", "500", and "1,000 Feet" is placed below the corresponding tick marks.

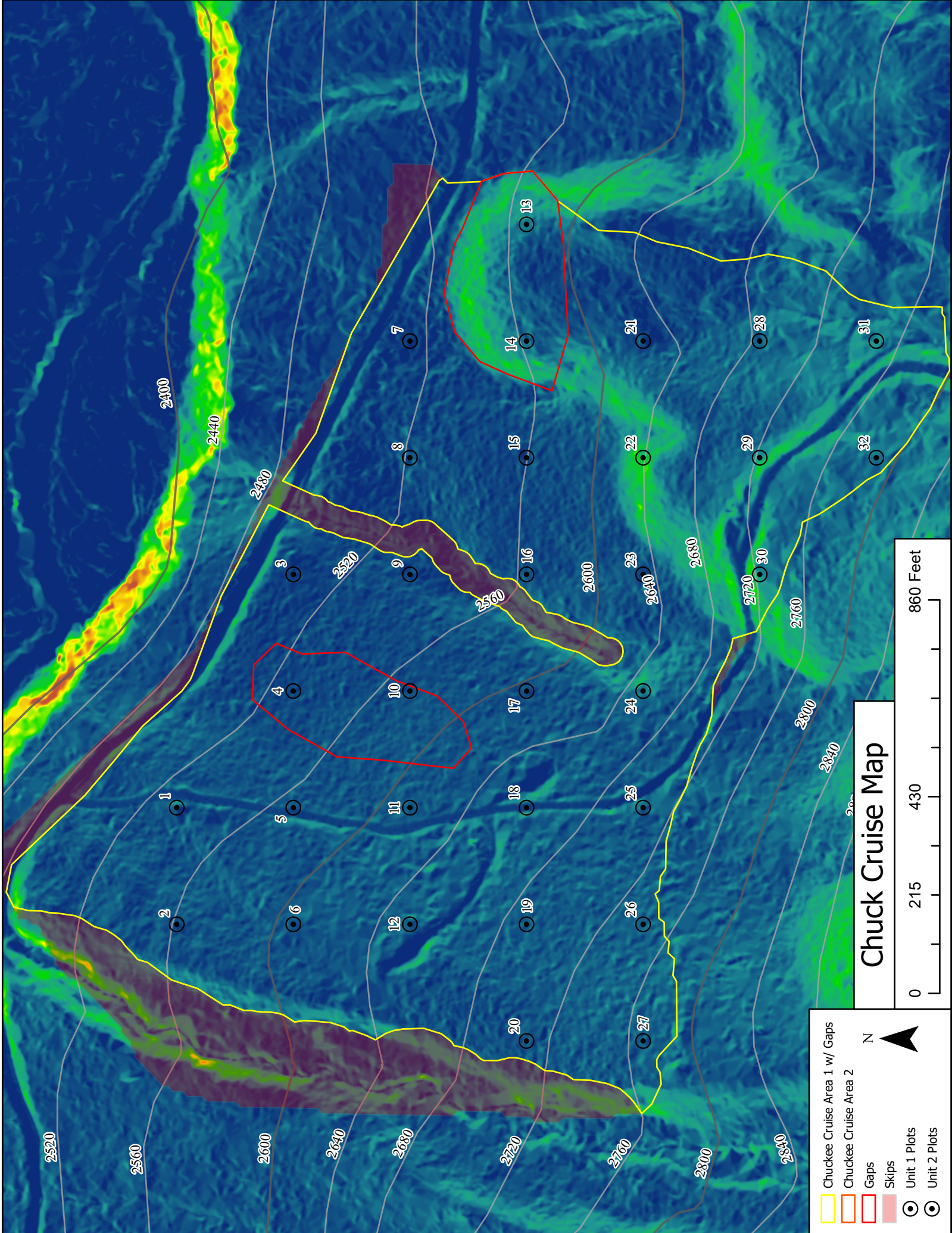


Chuckee Cruise Area 1 w/ Gaps
Chuckee Cruise Area 2
Gaps
Skips
Unit 1 Plots
Unit 2 Plots

N

Chuck Cruise Map





Chuckee Cruise Area 1 w/ Gaps

Chuckee Cruise Area 2

Gaps

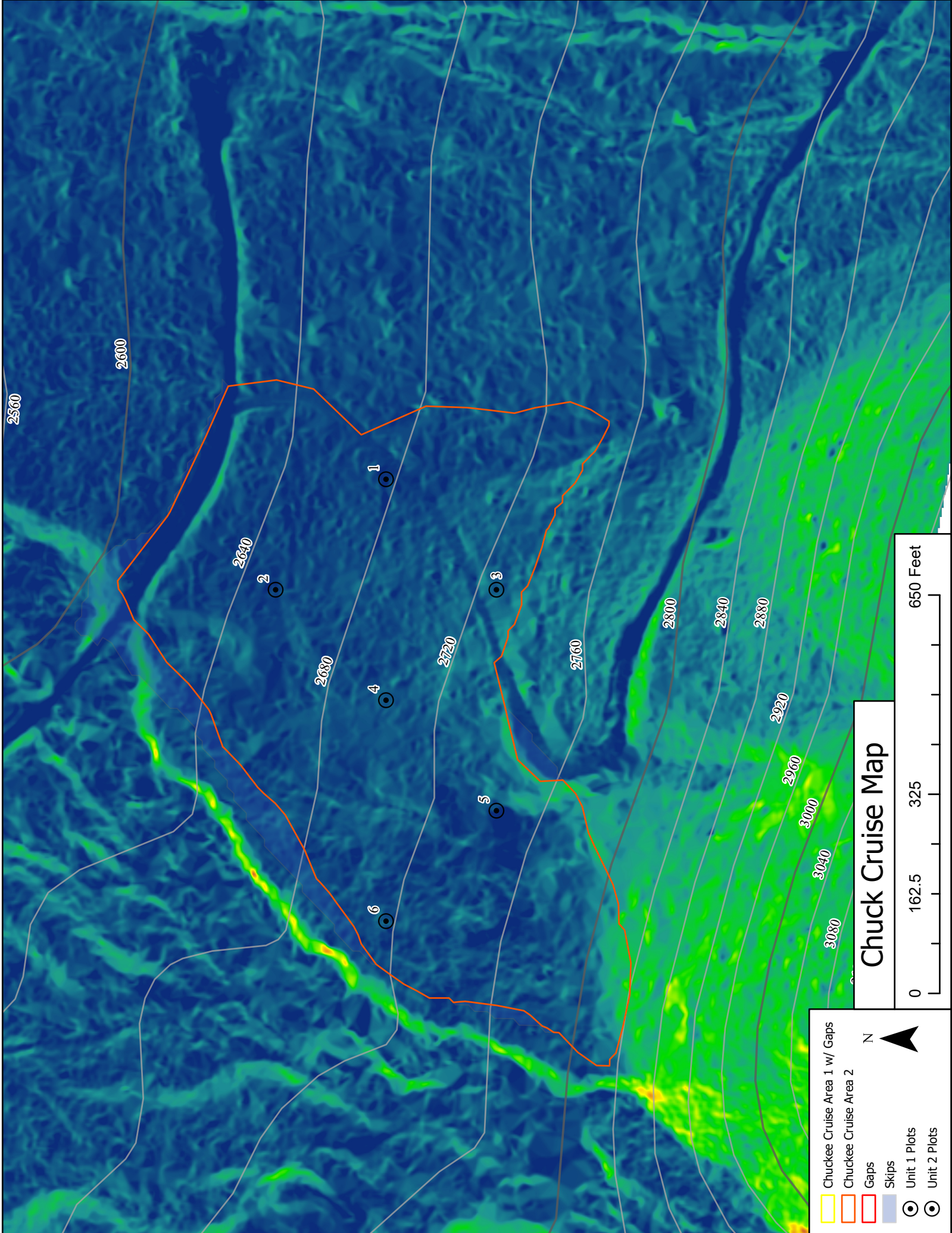
Skips

Unit 1 Plots

Unit 2 Plots

N

Chuck Cruise Map



Chuckee Cruise Area 1 w/ Gaps

Chuckee Cruise Area 2

Gaps

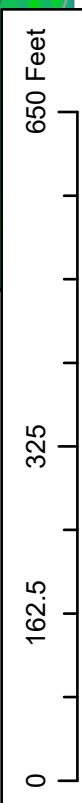
Skips

Unit 1 Plots

Unit 2 Plots

N

Chuck Cruise Map



TC PLOGSTVB Matthew Luciani					Log Stock Table - MBF															
T18S R05E S31 TyTIMB48.00					Project: FLIPS					Page 2										
					Acres 48.00					Date 5/1/2024										
										Time 7:50:54AM										
Spp	S T	So rt	Gr 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	DO	4M	27	3		3	.7		3										
DF	L	DO	4M	29	3		3	.8		3										
DF	L	DO	4M	30	3		3	.9		3										
DF	L	DO	4M	31	3		3	.9		3										
DF	L	DO	4M	32	2		2	.5		2										
DF	L	DO	4M	34	2		2	.6		2										
DF	L	DO	4M	35	2		2	.5		2										
DF	L	DO	4M	36	6		6	1.6		6										
DF	L	DO	4M	40	2		2	.6		2										
DF		Totals			359		359	48.2		92	71	116	60	20						
WH	T	DO	3M	25	4		4	54.3		4										
WH	T	DO	3M	27	4		4	45.7		4										
WH		Totals			8		8	1.1		8										
Total		All Species			744		744	100.0		240	225	177	82	20						

TC PLOGSTVB Matthew Luciani				Log Stock Table - MBF																
T18S R05E S31 TyTIM10.00				Project: FLIPS										Page 1						
				Acres 10.00										Date 5/1/2024						
														Time 7:47:45AM						
Spp	S T	So Gr rt	Gr 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	T	DO	3M	40	155		155	78.8	16	59	70	10								
DF	T	DO	4M	14	1		1	.6	1											
DF	T	DO	4M	15	4		4	1.8	4											
DF	T	DO	4M	17	3		3	1.3	3											
DF	T	DO	4M	19	2		2	1.1	2											
DF	T	DO	4M	20	2		2	1.1	2											
DF	T	DO	4M	21	2		2	1.1	2											
DF	T	DO	4M	25	3		3	1.6	3											
DF	T	DO	4M	27	3		3	1.8	3											
DF	T	DO	4M	30	8		8	4.1	8											
DF	T	DO	4M	32	3		3	1.6	3											
DF	T	DO	4M	34	3		3	1.7	3											
DF	T	DO	4M	36	4		4	1.9	4											
DF	T	DO	4M	40	3		3	1.4	3											
DF		Totals			197		197	59.1	58	59	70	10								
DF	L	DO	3M	40	104		104	76.7		46	59									
DF	L	DO	4M	32	3		3	2.4	3											
DF	L	DO	4M	33	10		10	7.2	10											
DF	L	DO	4M	38	4		4	2.8	4											
DF	L	DO	4M	39	7		7	5.1	7											
DF	L	DO	4M	40	8		8	5.7	3	4										
DF		Totals			136		136	40.9	27	4	46	59								
Total		All Species			333		333	100.0	85	63	116	69								

PROJECT STATISTICS							PAGE	1				
PROJECT							DATE	5/1/2024				
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
18S	05E	31	FLIPS	TIMB	48.00	28	175	S	W			
			TREES	ESTIMATED	PERCENT							
			PLOTS	TREES	PER PLOT	TREES	TREES					
TOTAL			28	175	6.3							
CRUISE			13	74	5.7	10,445	.7					
DBH COUNT												
REFOREST												
COUNT			15	101	6.7							
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-L			37	77.5	13.3	73	20.6	75.0	7,471	7,471	2,092	2,092
DOUG FIR-T			35	134.3	10.7	65	25.5	83.4	7,850	7,850	2,004	2,004
WHEMLOCK-T			2	5.8	8.1	48	0.7	2.1	173	173	33	33
TOTAL			74	217.6	11.6	68	47.1	160.5	15,494	15,494	4,129	4,129
CONFIDENCE LIMITS OF THE SAMPLE												
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR												
CL	68.1	COEFF	SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			53.3	8.8	109	120	130					
DOUG FIR-T			59.5	10.0	68	76	84					
WHEMLOCK-T					30	30	30					
TOTAL			61.7	7.2	90	97	104	152	38	17		
CL	68.1	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			48.9	8.0	31	34	36					
DOUG FIR-T			64.7	10.9	18	20	22					
WHEMLOCK-T			18.4	17.2	5	6	7					
TOTAL			62.0	7.2	25	26	28	154	38	17		
CL	68.1	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			48.0	9.2	70	78	85					
DOUG FIR-T			57.6	11.1	119	134	149					
WHEMLOCK-T			368.6	70.9	2	6	10					
TOTAL			40.1	7.7	201	218	234	67	17	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-L			42.3	8.1	69	75	81					
DOUG FIR-T			57.5	11.1	74	83	93					
WHEMLOCK-T			367.2	70.6	1	2	4					
TOTAL			39.7	7.6	148	161	173	65	16	7		
CL	68.1	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			42.9	8.3	6,854	7,471	8,088					
DOUG FIR-T			62.6	12.0	6,905	7,850	8,795					
WHEMLOCK-T			368.6	70.9	50	173	295					
TOTAL			44.1	8.5	14,180	15,494	16,807	80	20	9		
CL	68.1	COEFF	NET CUFT FT/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			41.6	8.0	1,925	2,092	2,260					
DOUG FIR-T			62.3	12.0	1,764	2,004	2,244					

TC PSTATS		PROJECT STATISTICS							PAGE	2
Matthew Luciani		PROJECT		FLIPS				DATE		5/1/2024
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
18S	05E	31	FLIPS	TIMB		48.00	28	175	S	W
CL	68.1	COEFF		NET CUFT FT/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.00	VAR.	S.E.%	LOW	AVG	HIGH	5		10	15
WHEMLOCK-T		367.6	70.7	10	33	56				
TOTAL		43.2	8.3	3,786	4,129	4,472	77		19	9

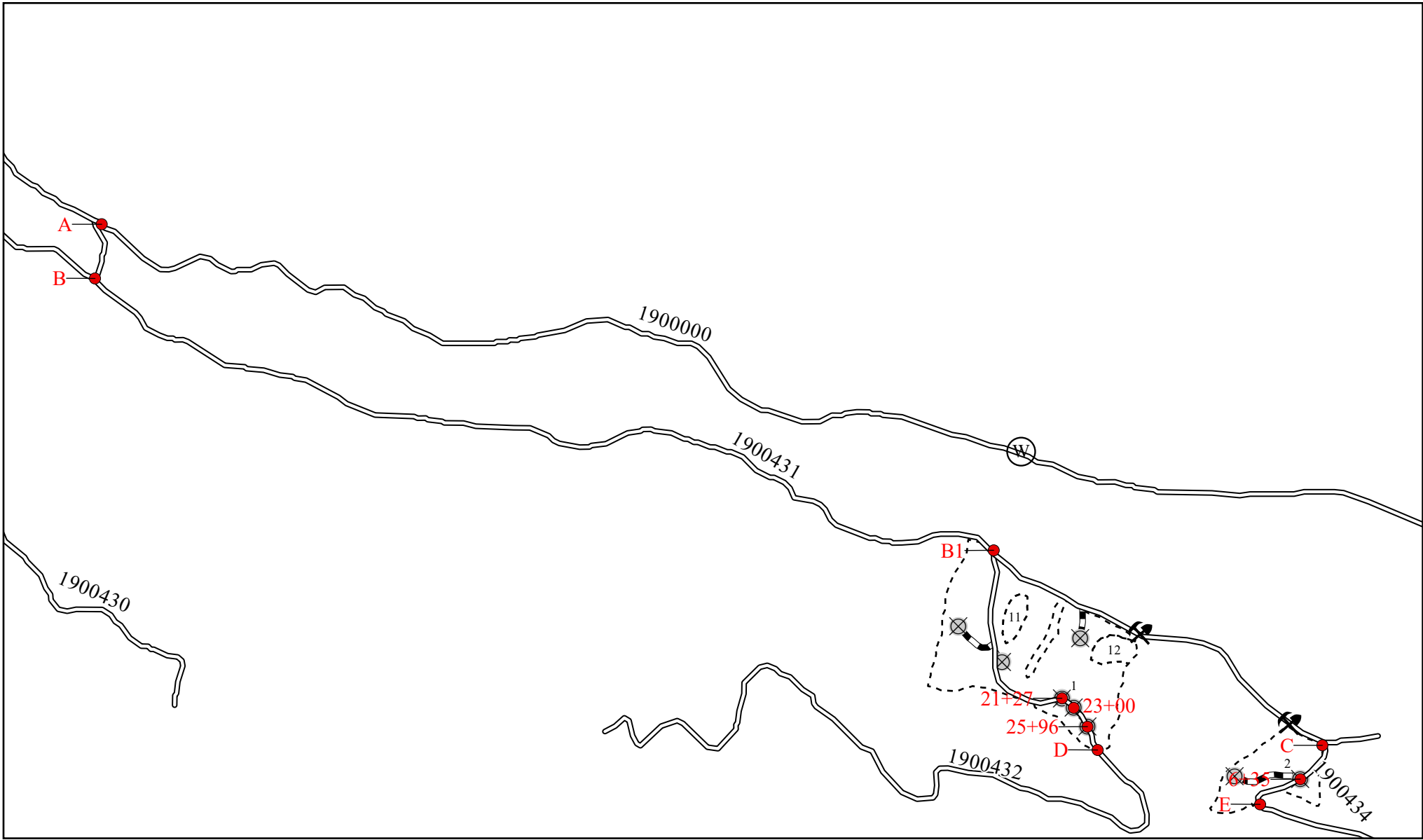
TC PSTATS							PROJECT STATISTICS				PAGE	1
Matthew Luciani							PROJECT		FLIPS		DATE	5/1/2024
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
18S	05E	31	FLIPS	TIM		10.00	6	57	S	W		
			PLOTS		TREES	TREES	ESTIMATED TOTAL	PERCENT SAMPLE				
					PER PLOT	TREES	TREES					
TOTAL			6	57	9.5							
CRUISE			3	26	8.7	2,782	.9					
DBH COUNT												
REFOREST												
COUNT			3	31	10.3							
BLANKS												
100 %												
STAND SUMMARY												
SAMPLE			TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS		
TREES			/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC		
DOUG FIR-L			9	78.5	15.3	102	25.7	100.5	13,612	3,530		
DOUG FIR-T			17	199.7	12.1	91	45.8	159.2	19,666	5,038		
TOTAL			26	278.2	13.1	94	71.8	259.7	33,278	8,569		
CONFIDENCE LIMITS OF THE SAMPLE												
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR												
CL	68.1	COEFF	SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15			
DOUG FIR-L			18.6	6.6	166	178	189					
DOUG FIR-T			38.2	9.5	100	110	120					
TOTAL			37.9	7.6	123	133	144	60	15	7		
CL	68.1	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15			
DOUG FIR-L			16.5	5.8	43	46	48					
DOUG FIR-T			36.8	9.2	25	28	31					
TOTAL			37.2	7.4	32	34	37	57	14	6		
CL	68.1	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15			
DOUG FIR-L			43.7	19.5	63	78	94					
DOUG FIR-T			26.5	11.8	176	200	223					
TOTAL			25.1	11.2	247	278	309	30	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-L			42.8	19.1	81	100	120					
DOUG FIR-T			27.6	12.3	140	159	179					
TOTAL			28.1	12.5	227	260	292	38	9	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-L			42.4	18.9	11,040	13,612	16,183					
DOUG FIR-T			27.3	12.2	17,276	19,666	22,056					
TOTAL			29.1	12.9	28,972	33,278	37,583	40	10	4		
CL	68.1	COEFF	NET CUFT FT/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15			
DOUG FIR-L			43.4	19.3	2,848	3,530	4,213					
DOUG FIR-T			29.7	13.2	4,372	5,038	5,704					
TOTAL			30.4	13.5	7,410	8,569	9,728	44	11	5		

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																
Matthew Luciani																				
T18S R05E S31 TyTIMB						48.00		Project:		FLIPS						Page		1		
								Acres		48.00						Date		5/1/2024		
																Time		7:53:44AM		
S So Gr Spp T rt 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 Dia Ft In		Bd CF/ Ft Lf		
								4-5	6-11	12-16		17+	12-20	21-30	31-35					
DF	T	DO 3M	87		6,835	6,835	328	28	72			9	6	85	36	6	57	0.41	120.4	
DF	T	DO 4M	13		1,015	1,015	49	100				70	19	11		7	4	7	0.21	153.1
DF Totals			51		7,850	7,850	377	37	63			9	10	7	74	20	5	29	0.37	273.5
DF	L	DO 3M	85		6,352	6,352	305	13	81	7		3	4	93	38	7	82	0.60	77.5	
DF	L	DO 4M	15		1,119	1,119	54	100				35	34	17	15	10	5	10	0.29	107.4
DF Totals			48		7,471	7,471	359	26	69	6		5	7	6	81	22	6	40	0.52	185.0
WH T DO 3M			100		173	173	8	100				100				26	5	30	0.22	5.8
WH T DO 4M																4		0.00	5.8	
WH Totals			1		173	173	8	100				100				13	5	15	0.22	11.5
Totals					15,494	15,494	744	32	65	3		7	10	6	77	20	5	33	0.43	470.0

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																		
Matthew Luciani																						
T18S R05E S31 TyTIM10.00				Project:		FLIPS										Page		1				
				Acres		10.00										Date		5/1/2024				
																Time		7:47:45AM				
S So Gr Spp T rt ad			%	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre		
			Net BdFt					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	T	DO 3M	78	15,502	15,502	155	10	90					100				40	7	78	0.51	199.7	
DF	T	DO 4M	22	4,164	4,164	42	100					28	41	16	15	11	5	11	0.24	366.4		
DF Totals			59	19,666	19,666	197	29	71					6	9	3	82	21	5	35	0.42	566.1	
DF	L	DO 3M	76	10,436	10,436	104	100						100				40	9	133	0.84	78.5	
DF	L	DO 4M	24	3,175	3,175	32	86	14					42				58	18	5	20	0.32	157.0
DF Totals			41	13,612	13,612	136	20	80					10				90	25	6	58	0.59	235.4
Totals				33,278	33,278	333	26	74					3	5	6	85	22	6	42	0.48	801.5	

TC		PSTNDSUM										Stand Table Summary										Page		1	
		Matthew Luciani																				Date:		5/1/2024	
		T18S R05E S31 TyTIMB				48.00		Project				FLIPS				Time:				7:50:55AM					
						Acres				48.00				Grown Year:											
S	SpC	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	T		7	1	91	30	7.716	2.24																	
DF	T		8	6	87	47	40.921	14.57	69.31	2.8	14.7	5.58	196	1,016	268		94	49							
DF	T		9	2	86	62	10.594	4.94	21.19	4.9	20.0	2.98	105	424	143		50	20							
DF	T		10	2	86	79	9.126	4.94	22.81	5.3	20.0	3.43	120	456	165		58	22							
DF	T		11	6	90	78	20.036	13.46	49.91	6.9	27.9	9.83	345	1,394	472		166	67							
DF	T		12	8	89	79	24.244	18.61	57.62	9.1	34.7	14.91	523	1,997	716		251	96							
DF	T		13	4	88	74	10.373	9.39	20.75	11.9	45.9	7.02	246	953	337		118	46							
DF	T		14	1	82	82	2.522	2.70	7.57	11.0	36.7	2.37	83	277	114		40	13							
DF	T		15	2	86	83	3.961	4.94	9.80	15.0	52.1	4.18	147	511	201		70	25							
DF	T		16	1	90	91	1.567	2.24	4.70	15.5	60.0	2.07	73	282	99		35	14							
DF	T		17	1	82	80	1.690	2.70	5.07	15.6	46.7	2.25	79	237	108		38	11							
DF	T		18	1	83	95	1.596	2.70	4.79	18.1	63.3	2.47	87	303	119		42	15							
DF	T		Totals	35	88	65	134.345	83.42	273.51	7.3	28.7	57.11	2,004	7,850	2,741		962	377							
DF	L		8	1	90	53	4.964	1.86	9.93	3.1	15.0	.88	31	149	42		15	7							
DF	L		9	1	83	50	5.558	2.24	11.12	3.4	15.0	1.08	38	167	52		18	8							
DF	L		10	2	78	65	9.209	4.99	18.42	6.3	17.5	3.31	116	323	159		56	15							
DF	L		11	1	90	80	2.987	1.86	8.96	5.7	23.3	1.45	51	209	69		24	10							
DF	L		12	3	87	83	7.534	5.97	20.15	8.9	35.9	5.09	179	723	244		86	35							
DF	L		13	8	88	78	17.252	15.78	38.69	11.3	41.5	12.42	436	1,607	596		209	77							
DF	L		14	2	88	69	3.787	3.99	9.41	11.1	37.6	2.98	105	354	143		50	17							
DF	L		15	7	87	74	11.377	14.19	27.72	13.8	45.7	10.90	382	1,266	523		184	61							
DF	L		16	3	88	69	4.204	5.97	9.95	15.3	49.5	4.33	152	493	208		73	24							
DF	L		17	4	87	88	5.047	7.97	13.85	18.5	67.4	7.29	256	934	350		123	45							
DF	L		18	4	88	92	4.447	7.97	13.34	20.5	75.6	7.78	273	1,009	374		131	48							
DF	L		19	1	83	90	1.139	2.24	3.42	21.8	70.0	2.12	74	239	102		36	11							
DF	L		Totals	37	86	73	77.504	75.03	184.95	11.3	40.4	59.63	2,092	7,471	2,862		1,004	359							
WH	T		8	1	83	50	3.125	1.04	6.25	2.5	15.0	.50	16	94	24		8	4							
WH	T		9	1	83	45	2.631	1.04	5.26	3.3	15.0	.55	17	79	26		8	4							
WH	T		Totals	2	83	48	5.756	2.07	11.51	2.9	15.0	1.06	33	173	51		16	8							
Totals			74	87	68	217.605	160.52	469.97		8.8	33.0	117.79	4,129	15,494	5,654		1,982	744							

Stand Table Summary											Page		1			
Matthew Luciani											Date:		5/1/2024			
T18S R05E S31 TyTIM					10.00		Project		FLIPS		Time:		7:47:46AM			
					Acres		10.00				Grown Year:					
S SpC T	Sample		Tot					Average Log		Net		Net		T o t a l s		
	DBH	Trees	FF 16'	Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Net Cu.Ft.	Net Bd.Ft.	Tons/ Acre	Cu.Ft. Acre	Bd.Ft. Acre	Tons	Cunits	MBF	
DF T	9	1	83	77	21.118	9.96	42.24	5.8	20.0	6.96	244	845	70	24	8	
DF T	10	1	83	82	19.018	9.96	57.05	3.9	13.3	6.27	220	761	63	22	8	
DF T	11	3	85	88	42.378	28.09	115.23	7.3	30.5	24.06	844	3,517	241	84	35	
DF T	12	3	90	91	32.578	24.86	97.73	8.1	33.2	22.47	789	3,243	225	79	32	
DF T	13	5	84	96	51.871	48.13	155.61	10.1	38.7	44.99	1,579	6,028	450	158	60	
DF T	14	1	83	105	9.187	9.96	27.56	13.5	53.3	10.64	373	1,470	106	37	15	
DF T	15	3	85	98	23.549	28.21	70.65	14.0	53.8	28.20	989	3,802	282	99	38	
DF T	Totals	17	85	91	199.698	159.19	566.08	8.9	34.7	143.59	5,038	19,666	1,436	504	197	
DF L	14	1	83	100	11.064	11.83	33.19	12.0	40.0	11.39	400	1,328	114	40	13	
DF L	15	4	84	101	37.327	45.32	111.98	14.1	55.4	44.86	1,574	6,201	449	157	62	
DF L	16	3	88	101	22.758	31.51	68.27	16.2	63.3	31.45	1,103	4,324	314	110	43	
DF L	17	1	82	110	7.330	11.83	21.99	20.6	80.0	12.92	453	1,759	129	45	18	
DF L	Totals	9	85	102	78.480	100.49	235.44	15.0	57.8	100.62	3,530	13,612	1,006	353	136	
Totals		26	85	94	278.177	259.67	801.51	10.7	41.5	244.21	8,569	33,278	2,442	857	333	

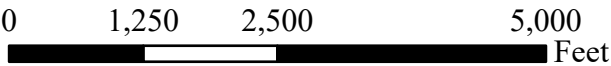


- Legend**
- Harvest Boundary
 - Project Points
 - Waste Disposal Area
 - W Water Fill Area
 - Potential Landing
 - Temporary Road
 - Roads

Exhibit "A" Project Map

FOR TIMBER SALE CONTRACT SW-341-2025-GF8923-01
 CHUCKEE GNA
 PORTIONS OF SECTIONS 31, 32
 OF T18S, R6E AND PORTIONS OF SECTION 3
 T19S, R5.5E
 Lane County, Oregon

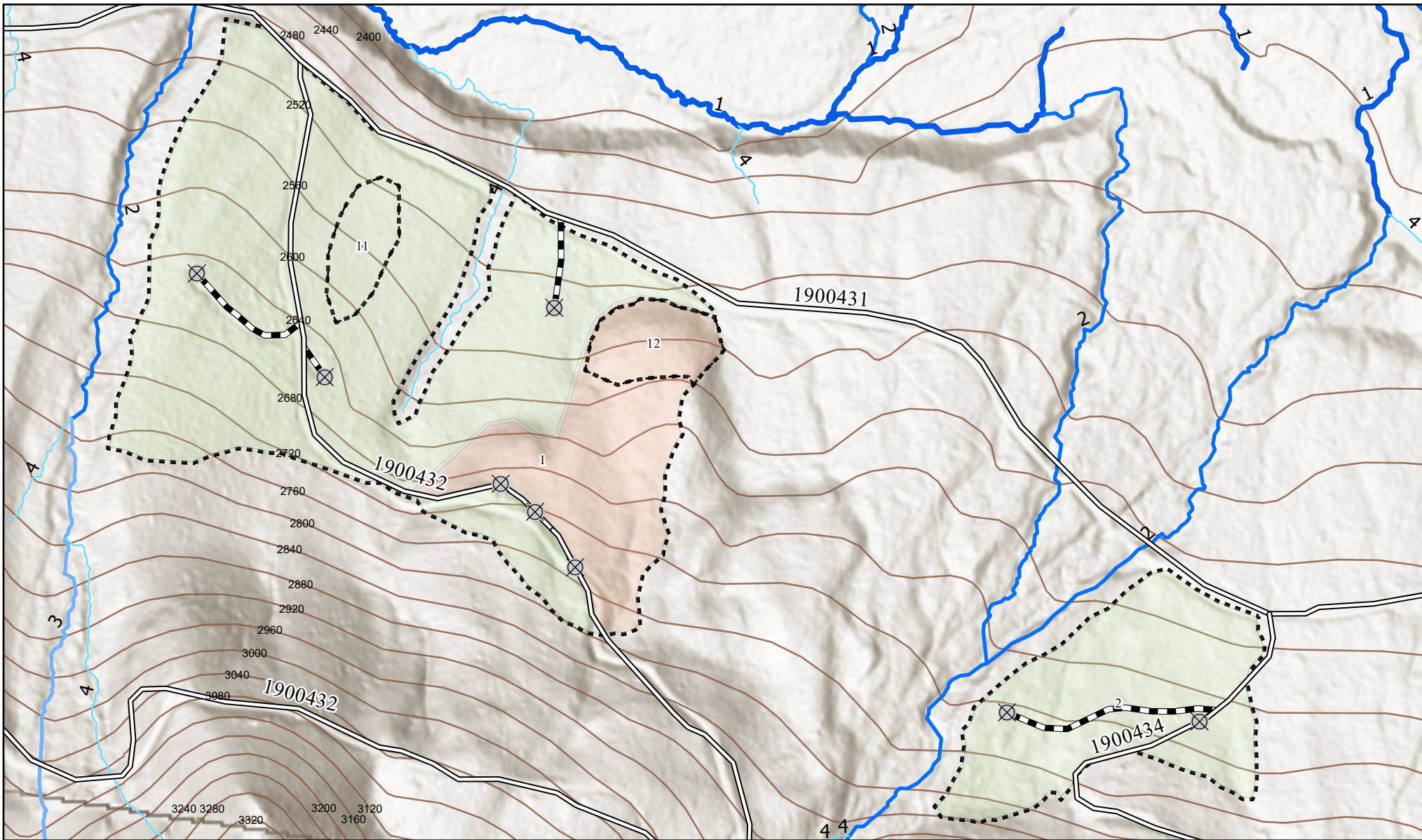
This product is for informational use and may not be
 suitable for legal, engineering, or surveying purposes.



Approximate Net Acres	
Unit 1	44
Unit 11 (Gap)	2
Unit 12 (Gap)	2
Unit 2	10
Total	58

Gap Cuts will have all timber within flagged area felled and yarded
 except for marked wildlife trees..

All areas outside of gaps will be subject to thinning specifications per
 SECTION 2320, Dx17'.



Legend

- Harvest Boundary
- Gap Cut
- Contours

LogSystem

- Cable
- Ground Based
- Potential Landing
- Temporary Road
- Roads

Contours

Stream Class

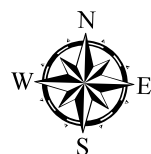
- 1
- 2
- 3
- 4

Logging Plan

FOR TIMBER SALE CONTRACT SW-341-2025-GF8923-01
CHUCKEE GNA
PORTIONS OF SECTIONS 31, 32
OF T18S. R6E, AND PORTIONS OF SECTION 3
T19S, R5.5E
Lane County, Oregon

This product is for informational use and may not be suitable
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0 375 750 1,500
Feet



Approximate Net Acres

Unit 1	44
Unit 11 (Gap)	2
Unit 12 (Gap)	2
Unit 2	10
Total	58

Gap Cuts will have all timber within flagged area felled and yarded except
for marked wildlife trees..

All areas outside of gaps will be subject to thinning specifications per
SECTION 2320, DxD 17'.