

Pre-Operations Report

Operation Name: Mesabi Road

County (%): Tillamook (100%)

Elevation: 437 - 1,945 ft

Legal Description: T2S R7W, Section(s) 7, 16, 17, 18, 20, 21

Tax Code(s): 901

BOF%: 100 **CSL%:** 0

Sale Quarter: 3

I. VOLUME AND VALUE SUMMARY

Table 1. Types, Acres, and Value

Unit	Harvest Type	Anticipated Product ^c	Gross Acres	Net Acres	MBF/ Acre ^a	MBF/ Unit ^a	\$/MBF ^b	\$/Unit
40	CC	DF-M, WH-M	149	115	27.4	3,151	\$358	\$1,128,058
631	MC	DF-M, RA-M	144	84	24.4	2,050	\$358	\$733,900
725	CC	DF-M, RA-S	49	42	27.4	1,151	\$358	\$412,058
726	CC	DF-M, RA-S	101	86	27.4	2,356	\$358	\$843,448
Total		Regeneration	444	327		8,708		
		Partial Cut						
						Gross Value		\$3,117,464
a. Estimated harvest volume per acre for Unit.						Project Costs		\$241,000
b. Estimated 'price' (excluding Project Costs)						Net Value		\$2,876,464
c. Anticipated Product (AA-B-C) – AA) SLI species code of the bid species, B) Size Class (S – small [average DBH < 15], M – medium [average DBH 15 to 23], L – large (average DBH > 23)], C) Special Product (P – Premium, H – Hardwood)								

II. CURRENT STAND CONDITION:

Table 2. Stand Inventory Information

Unit	Stand ID	Measured/Imputed ^a	Species	Age	TPA	DBH	BA	SDI	Net Acres ^b
40	31641	I = 32720	RA,BM	64	136	16	191	48%	2
40	31646	M	DF,RA	64	86	20	185	43%	23
40	31648	I = 31644	DF,CH	64	123	18	210	51%	17
40	31656	I = 31432	RA,DF	64	169	15	198	52%	3
40	32480	M	DF,RA	64	79	20	163	38%	62
40	32486	I = 32195	WH,RA	64	156	17	243	60%	6
631	31660	I = 31678	DF,RA	61	128	17	204	50%	22
631	31676	M	RA,DF	61	148	15	189	49%	1
631	31731	I = 32720	RA,BM	57	136	16	191	48%	2
631	31732	M	RA,DF	61	136	17	209	52%	59
725	31597	I = 31935	DF,RA	64	155	16	221	56%	44
726	31592	I = 30125	DF,RA	64	158	16	213	54%	64
726	32481	I = 35606	DF,RA	64	74	19	142	34%	20

- a. Identify the source of stand inventory information. Use the following codes: M = Measured SLI data, I = Imputed SLI data, P = Pre-Cruise Plots, O = other (if other, describe below).
 - b. Net Acres have been rounded to the nearest whole acre in this table. Stand that comprise less than one acre of a harvest unit are not reported in this table, so the total “Net Acres” per unit in this table may not equal the total “Net Acres” per unit in table 1.
- These stands were planted, and portions of Units 40, 725, and 726 were commercially thinned in 2002. Unit 631 has no record of pre-commercial or commercial thinning.

Table 3. Additional Stand Information

Unit	Stand ID	Snags/ Acre ^a	Down Wood/ Acre ^b	Forest Health		
				SNC	Phellinus	Other ^c
40	31641	20	45	Yes	--	--
40	31646	15	1331	Yes	--	--
40	31648	11	81	Yes	--	--
40	31656	20	137	Yes	--	--
40	32480	6	1984	Yes	--	--
40	32486	15	150	Yes	--	--
631	31660	16	764	Yes	--	Stunted Alder
631	31676	39	81	Yes	--	Stunted Alder
631	31731	20	45	Yes	--	Stunted Alder
631	31732	20	198	Yes	--	Stunted Alder
725	31597	20	331	Yes	--	--
726	31592	26	145	Yes	--	--
726	32481	10	590	Yes	--	--

- a. Identify the number of hard snags per acre (decay classes 1 and 2)
- b. Identify the cubic feet per acre of hard down wood (decay classes 1 and 2)
- c. Describe “Other” forest health issue.

III. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

Foresters need to request the Biological Survey Tracking Form (BSTF) from the ODF Wildlife Biologist prior to sale layout in order to ensure all T&E related information is complete and understood.

1. A portion of the operation is within (Check all that apply):
 - ☐ TAS ☐ NSO Circle or Home Range, or Baseline or Elevated Baseline Thiessen (BA required)
 - ☐ MMMA (BA required) ☒ None
2. Are Surveys for NSO being conducted for any portion of this operation?
 - ☐ No ☒ Density Surveys ☐ Operational Surveys ☐ Combination (Density/Operational)

Notes:
3. Are Surveys for MM being conducted for any portion of this operation?
 - ☐ Yes (in progress/completed) ☒ No (Not habitat) ☐ N/A (outside of MM survey zone)

Notes:

4. Are there any additional considerations (FPA Resource Sites, Species of Concern sites/Plant [from ORBIC¹])?

☒ No ☐ Yes, please describe:

IV. DESIRED FUTURE CONDITION AND PRESCRIPTION:

Table 4. Stand Structure Information

Unit	Stand ID	Current	Desired Future ^b	Inside of HCA	Net Acres ^a
40	31641	UDS	GEN	No	2
40	31646	UDS	GEN	No	23
40	31648	UDS	GEN	No	17
40	31656	UDS	GEN	No	5
40	32480	UDS	GEN	No	59
40	32486	UDS	GEN	No	6
631	31660	UDS	GEN	Yes	22
631	31676	UDS	GEN	Yes	1
631	31731	UDS	GEN	Yes	2
631	31732	UDS	GEN	Yes	59
725	31597	UDS	GEN	No	44
726	31592	UDS	GEN	No	64
726	32481	UDS	GEN	No	20

- a. Net Acres have been rounded to the nearest whole acre in this table. Stand that comprise less than one acre of a harvest unit are not reported in this table, so the total “Net Acres” per unit in this table may not equal the total “Net Acres” per unit in table 1.
- b. While desired future condition complex (Layered -LYR and Older Forest Structure – OFS) is mapped, targets for Regeneration, Closed Single Canopy and Understory stands are not. These stand types are typically referred to as General (GEN) when discussing desired future condition.

Table 5. Partial Cut & HCA Prescriptions

Unit	Harvest Type	Harvest Species	Residual			
			Species	TPA	BA	% SDI
631	CC	DF, RA	--	--	--	--

- Prescription Considerations:**

- Unit 631 is located in a Habitat Conservation area and is predominately a Douglas-fir stand that is infected with Swiss Needle Cast. This stand will be regeneration harvested to remove the majority of the Swiss Needle Cast infested Douglas fir while retaining the largest trees available, those individual Douglas-fir that are growing well, and tree species that are resistant to Swiss needle cast. Red alder will be evaluated during layout and if any sprayed alder is identified it will likely be removed. This area will be replanted with a mix of SNC resistant species and will highlight planting at lower densities to promote complex patches of early seral stage forest resulting in a stand that is positioned for future habitat treatments to grow into habitat for covered species in an accelerated timeframe. Treatments are intended to improve spatial heterogeneity, compositional diversity, understory development, canopy

¹ Oregon Biodiversity Information Center
Tillamook District
Draft – April 2025

layering, and structural complexity of dominant and subdominant cohorts relative to untreated stands with similar conditions. Field staff and ODF Wildlife biologists will work closely during sale layout to determine legacy components (species, size, location, etc.) when finalizing prescriptions in these areas.

- **Leave Tree Considerations:** Foresters will work with wildlife biologist during sale layout. The following should be considered when determining final leave tree arrangements.
 - **Stand Characteristics:** Prioritize minor species and larger diameter trees as part of the retention strategy.
 - **Geotechnical:** Additional wind firm leave trees will be concentrated around the No Harvest Areas within the sale shown on the Exhibit A map. Foresters will evaluate stand and topographic conditions to determine sites appropriate for these buffer areas.
- **Reforestation Considerations:** Following the completion of harvest, the unit will be planted with a mixture of species native to the geographic area.

V. HARVESTING AND ACCESS CONSIDERATIONS:

Table 6. Harvest System and Access Summary

Unit	Harvest System		Slope (%)	Unit Access	Seasonal Access
	% Cable	% Ground			
40	100	0	<35	Simple	All Weather
631	100	0	35-65	Simple	All Weather
725	100	0	35-65	Simple	All Weather
726	100	0	35-65	Simple	All Weather

1. Haul Route: Toll Road, Toll Loop, and Mesabi Road.
 - There are no locked gates on the haul route.
2. Haul Route Condition: Toll Road is being maintained by the Schmeagle Hill Timber Sale. Toll Loop, Mesabi Road, and existing spurs will require moderate grading.
3. Are easements required for the haul route? ☒ No ☐ Yes

Table 7. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	1.32	0
Improve, Rock, and/or Maintain	0	6.31	1.67	0
Vacate	0	0	0.49	0
Stream Crossings to install existing (IE)/replace (R)/ new construction (NC)				
Type F - SSBT ^a	0	0	0	0
Type F – Non-SSBT	0	0	0	0
Type N	0	0	0	0

a. Salmon Steelhead and Bull Trout (SSBT)

4. Rock Sources for this operation: Toll Road Pit, 4-mile spur pit.
5. Are property line surveys required for this operation? ☒ No ☐ Yes

6. Is there planned new road construction planned within RCAs/HCAs? ☐ No ☒ Yes
- New road construction within RCA and HCAs will only occur when other alternatives are not operationally or economically feasible. Planned new road construction will be evaluated as it is further refined during sale layout.

VI. AQUATIC RESOURCES:

- Do any streams require additional review for the following?
 - Fish presence: ☒ No ☐ Yes
 - Perennial/Seasonal: ☐ No ☒ Yes
 - H.E.R.: ☐ No ☒ Yes
 - There are streams within the sale that require additional review. Buffers shown on the map indicate where it is believed streams are located. These streams will be located, verified for permanence, and/or type of seasonal stream during sale layout and Geotech review and buffered as required.
- Is a portion of the operation within an Aquatic Anchor? ☐ No ☒ Yes
 - Within the designated Aquatic Anchor streams will be buffered in accordance with strategies in the draft Habitat Conservation Plan that prioritize salmonid recovery as outlined in the State Forest Division Species of Concern Policy. These additional buffers are already incorporated into the sale buffers and are shown on the map. If additional information on streams is found during sale layout the buffers will be adjusted as required.
- Are any domestic points of diversion identified in the Oregon Water Resource Department's water rights information search GIS database located downstream within 3,000 feet of the harvest operation?

☒ No ☐ Yes, describe protection measures:
- Are there any unregistered or unknown status domestic points of diversion that have been identified within the harvest operation? ☒ No ☐ Yes, please describe:
- Is there a Stream Enhancement Project planned? ☒ No ☐ Yes, please describe:

VII. SLOPE STABILITY ISSUES:

Table 8. Summary of Slope Stability Assessment

Unit	Harvest Review Complete	Public Safety Review Complete	Additional Comment
40	Yes	Yes	
631	Yes	Yes	
725	Yes	Yes	
726	Yes	Yes	

- **Geotech Review:** Geotechnical reviews have been completed, and slope protections have been incorporated into No Harvest buffers shown on the map. Additional consultation with Geotechnical Specialists will be done during sale layout as needed.

VIII. RECREATION RESOURCES:

- Recreation issues/coordination: ☐ No ☒ Yes, please describe:

- A segment of the Steampot Trail and a segment of the Arclight Trail exist within sale area #725. The Marketing Unit and Roads Unit will work closely with the Recreation Program during sale layout, contract writing, and sale administration to minimize the impact to the recreational trail and mitigate public use safety concerns. The recreation trail will be temporarily closed when safety hazards are present during timber sale activity and re-opened once sale activity is completed or when safe to do so. Trail segments impacted by road construction will be evaluated for re-route construction post timber harvest. The Recreation Program may perform maintenance upgrades to improve sustainability and improve hydrological disconnection during closure to minimize impact to the public.

IX. HISTORIC AND CULTURAL RESOURCES:

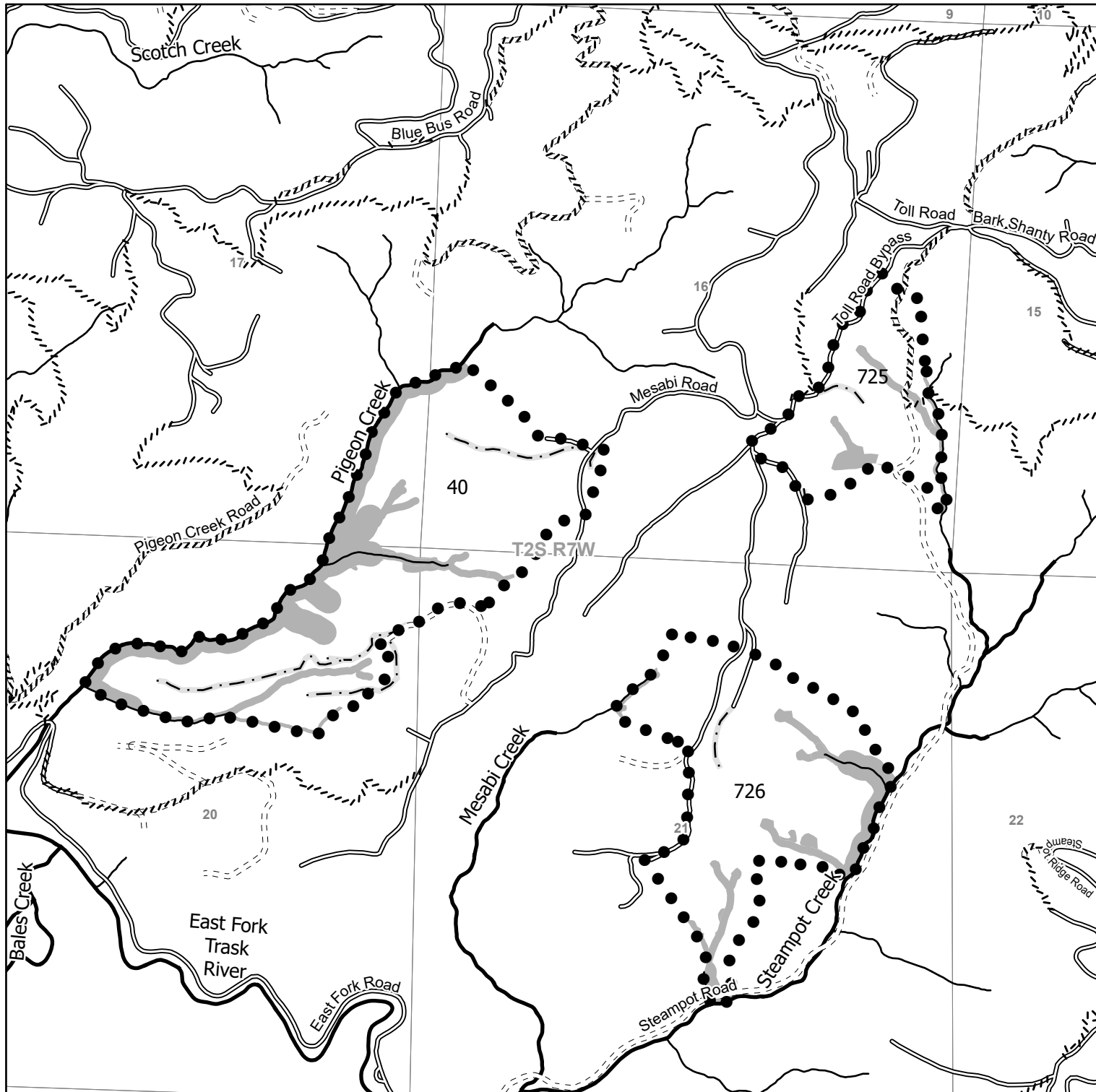
1. Has the sale been reviewed by a qualified archaeologist for potential historic or cultural resource presence? ☒ No ☐ Yes
 - Cultural Resource Review will be completed prior to sale layout. Units 40, 725 and 726 have already been reviewed.

X. SCENIC RESOURCES:

1. Are there scenic resources in the vicinity of this operation that need additional consideration? ☒ No ☐ Yes, please describe:

XI. OTHER RESOURCE CONSIDERATIONS:

1. Has a review of the FLMCS layer determined that any resources not mentioned in the report above need additional planning? ☐ No ☒ Yes, the layer indicates the presence of a 1-hectare permanent plot. This will not affect harvest operations, and the district will follow their standard protocol.
2. Are there any other resources present that need additional consideration? ☒ No ☐ Yes, please describe:



Legend

- Sale Boundary
- Surfaced
- - - Unsurfaced
- - - Ownership Boundary
- Perennial Fish
- Perennial Non-Fish
- - - New Road Construction
- /// Recreation Trails
- No Harvest - Green Tree Retention
- No Harvest Area
- No Harvest - Existing Road; New Construction

FY 2026 - Tillamook District

Mesabi Road

Portions of Section(s) 7, 16, 17, 18, 20, 21, T2S, R7W W.M. Tillamook County

State Forest Division

03/19/2025

This product is for informational use and may not have been prepared for or be suitable for legal, engineering or survey purposes. Variations may exist between and among data sets in use by the Department of Forestry.

This map was developed using the Statewide Flow Line layer.

1:15,800

1,000 500 0 1,000 Feet

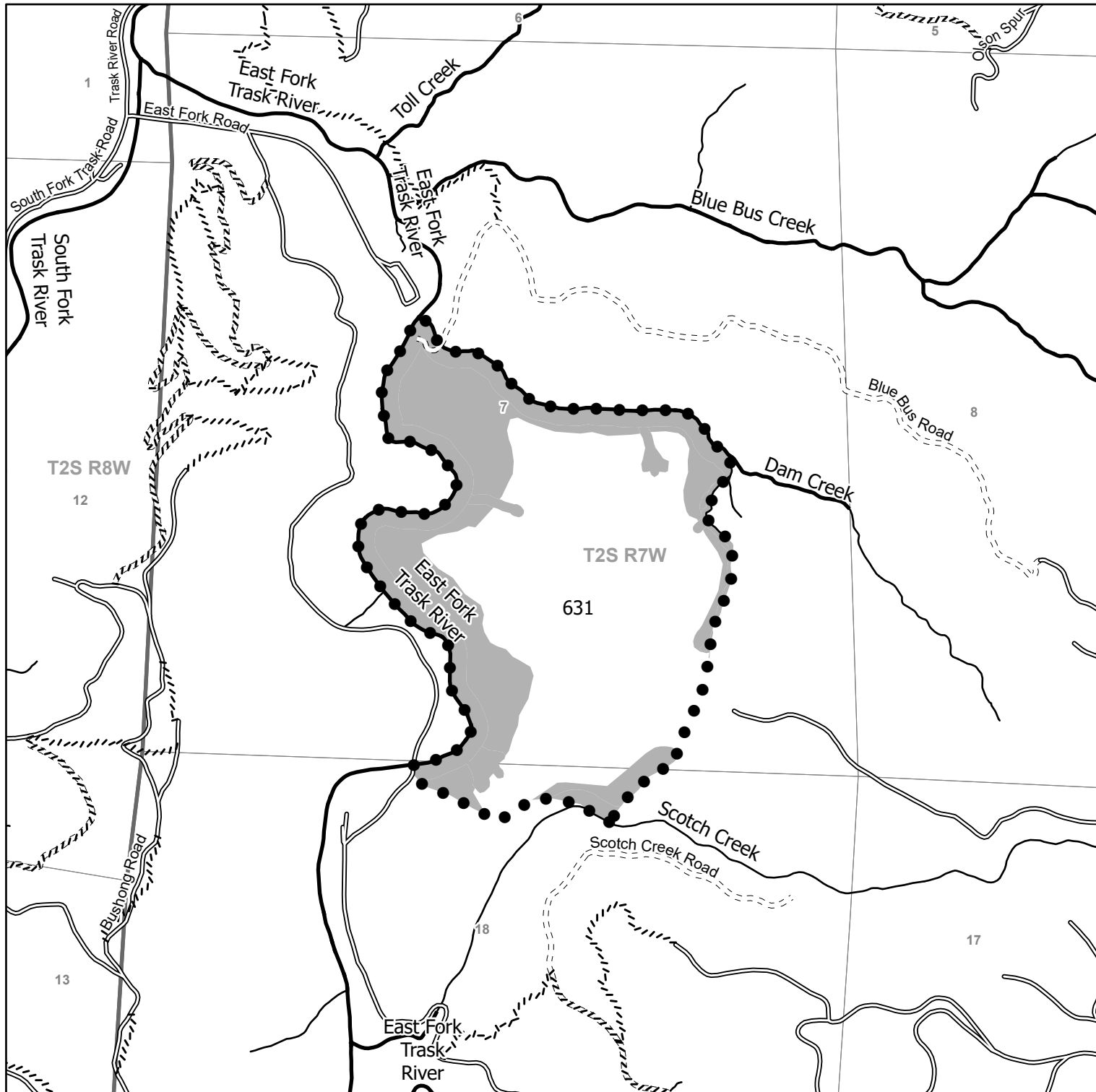


Unit 40	115	Acres (CC)
Unit 631	84	Acres (CC)
Unit 725	49	Acres (CC)
Unit 726	86	Acres (CC)

Total 327 Acres

N





- Legend**
- Sale Boundary
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 - - - Unsurfaced
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Unit 726	86	Acres (CC)

Total 327 Acres

