

Pre-Operations Report

Operation Name: Bushong
County (%): Tillamook (100%)
Elevation: 612 - 1,472 ft

Tax Code(s): 801, 901
BOF%: 100 **CSL%:** 0
Sale Quarter:

Legal Description: T2S R7W, Section(s) 19, 30; T2S R8W, Section(s) 24, 25

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
724	CC	DF-S, RA-S	19	19	16.0	304	\$266	\$80,864
937	CC	DF-M, RA-S	100	77	19.0	1,463	\$266	\$389,158
Total		Regeneration	118	96		1,767		
		Partial Cut						
						Gross Value		\$470,022
a. Estimated harvest volume per acre for Unit.						Project Costs		\$143,000
b. Estimated ‘price’ (excluding Project Costs)						Net Value		\$327,022
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
724	37671	I = 30461	DF,BM	55	147	14	152	41%	12
724	37672	I = 31738	DF,RA	55	187	15	225	59%	3
724	37673	M	DF,RA	55	117	17	178	44%	3
937	32688	M	DF,RA	55	98	18	173	42%	8
937	37672	I = 31738	DF,RA	55	187	15	225	59%	8
937	37673	M	DF,RA	55	117	17	178	44%	39
937	37679	I = 34477	DF,RA	55	141	16	208	52%	9
937	37680	M	DF,WH	25	--	--	--	0%	2
937	37752	I = 37124	RA,DF	55	129	16	182	46%	11

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 a portion of Unit 937 was commercially thinned in 2001. Unit 724 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
724	37671	7	23	Yes	--	--
724	37672	13	193	Yes	--	--
724	37673	16	114	Yes	--	--
937	32688	9	843	Yes	--	--
937	37672	13	193	Yes	--	--
937	37673	16	114	Yes	--	--
937	37679	15	119	Yes	--	--
937	37680	0	770	Yes	--	--
937	37752	9	57	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.

- 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
- Are Surveys for NSO being conducted for any portion of this operation?
☐ No ☒ Density Surveys ☐ Operational Surveys ☐ Combination (Density/Operational)
Notes:
- 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:
- 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
724	37671	UDS	GEN	Yes	12
724	37672	UDS	GEN	Yes	3

¹ Oregon Biodiversity Information Center
Tillamook District
Draft – April 2025

Unit	Stand ID	Current	Desired Future ^b	Inside of HCA	Net Acres ^a
724	37673	UDS	GEN	Yes	3
937	32688	UDS	GEN	No	8
937	37672	UDS	GEN	No	8
937	37673	UDS	GEN	No	39
937	37679	UDS	GEN	No	9
937	37680	CSC	GEN	No	2
937	37752	UDS	GEN	No	11

- 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
724	CC	DF, RA	--	--	--	--
All Others	CC	--	--	--	--	--

- Prescription Considerations:**
 - Unit 724 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 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. Foresters will work with wildlife biologist during sale layout.
 - 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			
724	100	0	35-65	Simple	All Weather
937	100	0	35-65	Simple	All Weather

- Haul Route: Bushong Road, Bales Creek Road, and South Fork Trask Road.
 - There are no locked gates on the haul route.
- Haul Route Condition: The haul route was spot rocked and maintained in 2024 with final maintenance for the Hollywood Hills timber sale. Dispersed recreation campsites are located along South Fork Trask Road.
- Are easements required for the haul route? ☐ No ☒ Yes
 - Existing utility permit 311.29429 with Tillamook County, easement 311.29246 with Stimson Lumber

Table 7. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0.71	0
Improve, Rock, and/or Maintain	0	0.56	0	0
Vacate	0	0	0	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)

- Rock Sources for this operation: South Fork Trask Pit, Bales Spur Pit, and crushed stockpile.
- Are property line surveys required for this operation? ☒ No ☐ Yes
- 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.
2. Is a portion of the operation within an Aquatic Anchor? ☒ No ☐ Yes, name:
 3. 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:
 4. Are there any unregistered or unknown status domestic points of diversion that have been identified within the harvest operation? ☒ No ☐ Yes, please describe:
 5. Is there a Stream Enhancement Project planned? ☐ No ☒ Yes, please describe:

There is potential for a stream enhancement project in the S. Fork Trask River (Units 724 & 937). Additional desktop and field reviews shall be conducted to determine the best candidates to focus stream enhancement efforts. District State Forest staff shall consult with the ODF Aquatic and Riparian Specialist and the local ODFW Habitat Biologist to help determine the feasibility and logistics of the project during sale layout.

VII. SLOPE STABILITY ISSUES:

Table 8. Summary of Slope Stability Assessment

Unit	Harvest Review Complete	Public Safety Review Complete	Additional Comment
724	No	Yes	
937	No	Yes	

Geotech Review: Some slope protections are dependent on further field review or on stream surveys that have not yet been completed. Consultation with the Geotechnical Specialist is required during sale layout and as streams surveys are completed in order to determine if additional protections are required.

VIII. RECREATION RESOURCES:

1. Recreation issues/coordination: ☐ No ☒ Yes, please describe:
 - A segment of Ma's Trail exist within sale area #937. 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:

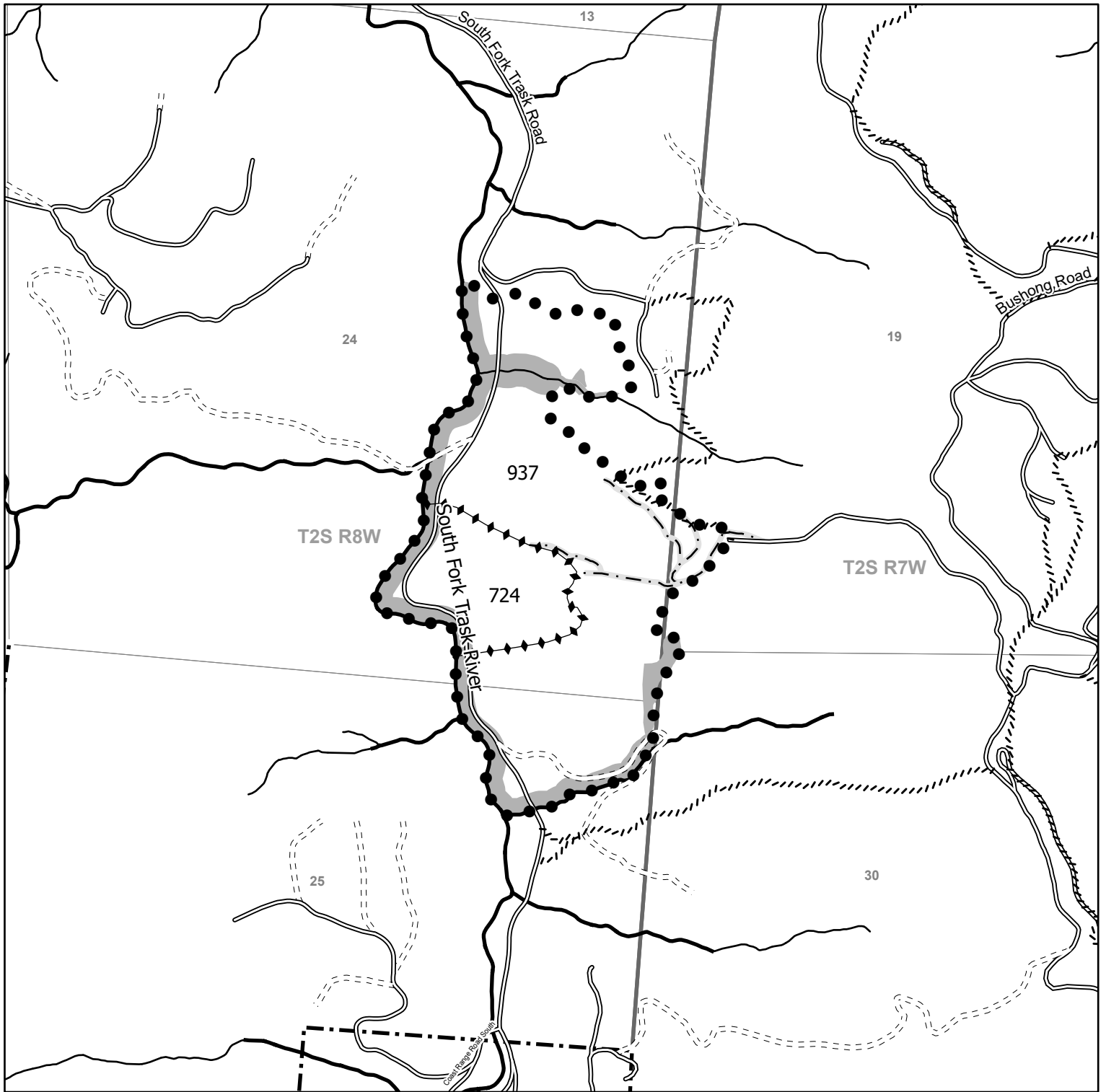
1. Has the sale been reviewed by a qualified archaeologist for potential historic or cultural resource presence? ☐ No ☒ Yes

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, please describe:
- The layer shows that a portion of the unit is within the “County Land Use Resolution” deed (Focused Stewardship). The harvest prescriptions have been developed in alignment with this designation by focusing on removing the SNC and alder. District staff will further refine this prescription during sale layout.
 - **Unit Size:** Units from the Bushong Road, Bushong, and Trask Joy sales are adjacent to each other and combined exceed 120 acres. After stream buffers are posted it will be determined if there is at least 300 feet of buffer between these Units. If the 300 foot minimum buffer between units is not met, then modifications will be made to either the sale boundaries or the stream buffers to ensure compliance with the FPA.
2. Are there any other resources present that need additional consideration? ☒ No ☐ Yes, please describe:



**FY 2026 - Tillamook District
Bushong
Portions of Section(s) 19, 30, T2S, R7W;
Sections 24, 25, T2S, R8W 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 layer.

1:12,000

1,000 500 0 1,000 Feet

Legend

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

Unit 724	19	Acres (CC)
Unit 937	77	Acres (CC)

Total 96 Acres

