Pre-Operations Report

Operation Name: Bushong Road
Tax Code(s): 901, 801
County (%): Tillamook (100%)
BOF%: 100 **CSL%:** 0
Elevation: 523 - 2,149 ft
Sale Quarter: Alternate
Legal Description: T2S R7W, Section(s) 18, 19, 20, 30; T2S R8W, Section(s) 13, 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
366	CC	DF-M, RA-S	37	26	21.0	546	$322	$175,812
527	CC	DF-M, RA-S	110	96	24.0	2,304	$322	$741,888
869	CC	DF-M, RA-M	138	97	24.0	2,328	$322	$749,616
870	CC	DF-S, RA-S	97	66	24.0	1,584	$322	$510,048
938	CC	DF-M, RA-M	121	86	24.0	2,064	$322	$664,608
Total		Regeneration	502	371		8,826		
		Partial Cut						

	Gross Value	$2,841,972
a. Estimated harvest volume per acre for Unit.	Project Costs	$257,435
b. Estimated 'price' (excluding Project Costs)	Net Value	$2,584,537

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]
366	31711	M	DF,RA	54	102	15	123	32%	7
366	31713	M	DF,RA	54	115	17	182	45%	18
527	31711	M	DF,RA	54	102	15	123	32%	42
527	31713	M	DF,RA	54	115	17	182	45%	23
527	37757	M	DF,RA	63	117	16	165	42%	29
869	32183	M	DF,RA	18	--	--	--	0%	2
869	32720	M	RA,BM	54	136	16	191	48%	11
869	37691	M	RA,DF	54	202	14	225	60%	17
869	37692	I = 37618	DF,RA	54	139	16	198	50%	33
869	37693	I = 37049	RA,DF	54	73	18	126	31%	14
869	37694	I = 37626	DF,RA	54	136	16	197	50%	11
869	37695	I = 32720	RA,BM	54	136	16	191	48%	7

869	38594	I = 99999	DF,RA	2	--	--	--	0%	1
870	32184	M	DF,RA	18	469	6	97	36%	2
870	32688	M	DF,RA	54	98	18	173	42%	6
870	37682	M	RA,DF	54	243	14	250	67%	24
870	37686	I = 37691	RA,DF	54	202	14	225	60%	8
870	37687	I = 37691	RA,DF	54	202	14	225	60%	14
870	37751	I = 37232	DF,RA	54	160	14	176	47%	8
870	37757	M	DF,RA	63	117	16	165	42%	4
938	32688	M	DF,RA	54	98	18	173	42%	5
938	37667	M	DF,RA	63	141	16	200	50%	16
938	37757	M	DF,RA	63	117	16	165	42%	65

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 all four sale areas were commercially thinned in 2001. Portions of Units 869 and 870 were clearcut harvested in 2005. These areas will be yarded through so are in included in the sale boundaries, although the younger trees within them will not be targeted with this harvest. Additionally, the northeastern-most portion of Unit 869 was clearcut harvested in 2015 and is only included because some trees may be needed for tail tree holds and may be subsequently felled.
- The 18-year-old trees listed for 32183 in Unit 869, and 32184 in Unit 870, reflect the small portions of the units that were previously harvested (noted above). The younger trees in these acres will not be targeted for harvest.
- The stand boundary for 38594 is drawn incorrectly. Unit 869 does not include 2-year-old trees. The 2 acres shown in the table for stand 38594 should be included with stand 37691 and is shown as such in the remainder of this document.

Table 3. Additional Stand Information

Unit	Stand ID	Snags/ Acre[a]	Down Wood/ Acre[b]	Forest Health		
				SNC	Phellinus	Other[c]
366	31711	3	552	Yes	--	--
366	31713	13	172	Yes	--	--
527	31711	3	552	Yes	--	--
527	31713	13	172	Yes	--	--
527	37757	3	33	Yes	--	--
869	32183	0	2208	Yes	--	--
869	32720	20	45	Yes	--	--
869	37691	16	235	Yes	--	--
869	37692	17	173	Yes	--	--
869	37693	4	39	Yes	--	--
869	37694	18	80	Yes	--	Sprayed Alder

869	37695	20	45	Yes	--	--
869	38594	0	0	Yes	--	--
870	32184	0	1450	Yes	--	--
870	32688	9	843	Yes	--	Sprayed Alder, Scotch Broom
870	37682	6	213	Yes	--	Sprayed Alder, Scotch Broom
870	37686	16	235	Yes	--	Sprayed Alder, Scotch Broom
870	37687	16	235	Yes	--	Sprayed Alder, Scotch Broom
870	37751	14	117	Yes	--	Sprayed Alder, Scotch Broom
870	37757	3	33	Yes	--	Sprayed Alder, Scotch Broom
938	32688	9	843	Yes	--	Sprayed Alder
938	37667	7	100	Yes	--	Sprayed Alder
938	37757	3	33	Yes	--	Sprayed Alder

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: Surveys were conducted for Units 366 and 527 in 2022/2023. These surveys will expire on 04/01/2029.
4. Are there any additional considerations (FPA Resource Sites, Species of Concern sites/Plant?
   ☒ No ☐ Yes, please describe:

IV. DESIRED FUTURE CONDITION AND PRESCRIPTION:

Table 4. Stand Structure Information

Unit	Stand ID	Current	Desired Future[b]	Net Acres[a]	Inside of HCA Acres
366	31711	UDS	GEN	7	7
366	31713	UDS	GEN	18	18
527	31711	UDS	GEN	42	0
527	31713	UDS	GEN	23	0
527	37757	UDS	GEN	29	0
869	32183	CSC	GEN	2	0
869	32720	UDS	GEN	11	0
869	37691	UDS	GEN	17	0
869	37692	UDS	GEN	33	0
869	37693	UDS	GEN	14	0
869	37694	UDS	GEN	11	0
869	37695	UDS	GEN	7	0
869	38594	REG	GEN	1	0
870	32184	CSC	GEN	2	0
870	32688	UDS	GEN	6	0
870	37682	UDS	GEN	24	0
870	37686	UDS	GEN	8	0
870	37687	UDS	GEN	14	0
870	37751	UDS	GEN	8	0
870	37757	UDS	GEN	4	0
938	32688	UDS	GEN	5	0
938	37667	UDS	GEN	16	0
938	37757	UDS	GEN	65	0

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. Harvest Prescriptions

Unit	Harvest Type	Harvest Species	Residual (Partial Cut & HCA Only)			
			Species	TPA	BA	% SDI
366	CC	DF, RA	DF	--	--	--
All others	CC	DF, RA	--	--	--	--

- **Prescription Considerations:**
    - Unit 366 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. Portions of Unit 366 might be an adequate location for some green trees since there appear to be platform bearing trees there. Foresters will work with wildlife biologist during sale layout.

Table 6. Reforestation

Unit	Planting Species Mix (%)*	TPA*	Considerations (ex. Elevation, SNC, Aspect, Animal Damage)
366	70% WH, 15% WRC, 15% GF	N/A	Planting prescription is very rough since division has not trained staff as to what is expected when reforesting HCA at this time.
527	50% DF, 50% WH	400	DF will be majority of trees on south and west facing slopes.
869	60% DF, 40% WH	400	DF will be majority of trees on south and west facing slopes.
870	70% DF, 20% WH	400	
938	70% DF, 20% WH	400	DF will be majority of trees on south and west facing slopes.

*These are estimates for planning purposes and will be adjusted as needed based on site conditions during implementation.

- **Reforestation Considerations:**
    - Looking at the terrain of these units, the soil conditions are more likely to be similar to the favorable conditions on the Holly Bush units.
    - There is still strong Swiss Needle Cast pressure on this part of the district so the goal will be to plant near 50%/50% DF/WH to small majority of DF depending on aspect.

V. HARVESTING AND ACCESS CONSIDERATIONS:

Table 7. Harvest System and Access Summary

Unit	Harvest System		Slope (%)	Unit Access	Seasonal Access
	% Cable	% Ground			
366	100	0	35-65	Simple	All Weather
527	100	0	35-65	Simple	Combo
869	100	0	35-65	Simple	All Weather
870	100	0	35-65	Simple	All Weather
938	100	0	<35	Verified	Combo

1. Haul Route: Bushong Road, Bales Creek, and South Fork Trask.
   - There are no locked gates on the haul route.
2. Haul Route Condition: The haul route will be maintained by the South Fork Trask, Trask Joy, and Kong Returns Timber sales for South Fork Trask Road and Bales Creek Road. Bushong Road was last maintained with the Hollywood Hills Timber Sale in 2024 and will need some spot rock and a grading.
3. Are easements required for the haul route? ☐ No ☒ Yes
   - 311.29429 Existing utility permit w/Tillamook County, 311.29246 Stimson Lumber

Table 8. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0.80	0.84
Improve, Rock, and/or Maintain	0	4.71	1.93	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	1 (NC)

a. Salmon Steelhead and Bull Trout (SSBT)

4. Rock Sources for this operation: South Fork Trask Pit & Biller Pit (Jawrun) and South Fork Trask concrete pad (crushed).
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:

1. 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: E. Fk. Of the S. Fk. Trask River

   - 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.

3. Are any Points of Diversion (Domestic Water) located downstream within 3,000 feet of Operations?

   ☒ 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:

VII. SLOPE STABILITY ISSUES:

Table 9. Summary of Slope Stability Assessment

Unit	Harvest Review Complete	Public Safety Review Complete
366	Y	Yes
527	Y	Yes
869	Y	Yes
870	N	Yes
938	Y	Yes

Geotech Review: Initial geotechnical reviews have been completed and those findings have been incorporated into No Harvest buffers. Some slope protections are dependent on stream surveys that have not yet been completed for Unit 870. Consultation with the Geotechnical Specialist is required during sale layout 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:

   - Segments of the Bushong Trail exist within sale areas #869, #870, #527, and #938. ¾ Mile Trail exists within sale area #938. The Marketing Unit and Roads Unit will work closely with the Recreation Program during sale layout, contract writing, and sale administration to minimize impact to the recreational trails and mitigate public use safety concerns.

   - The recreation trails 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:

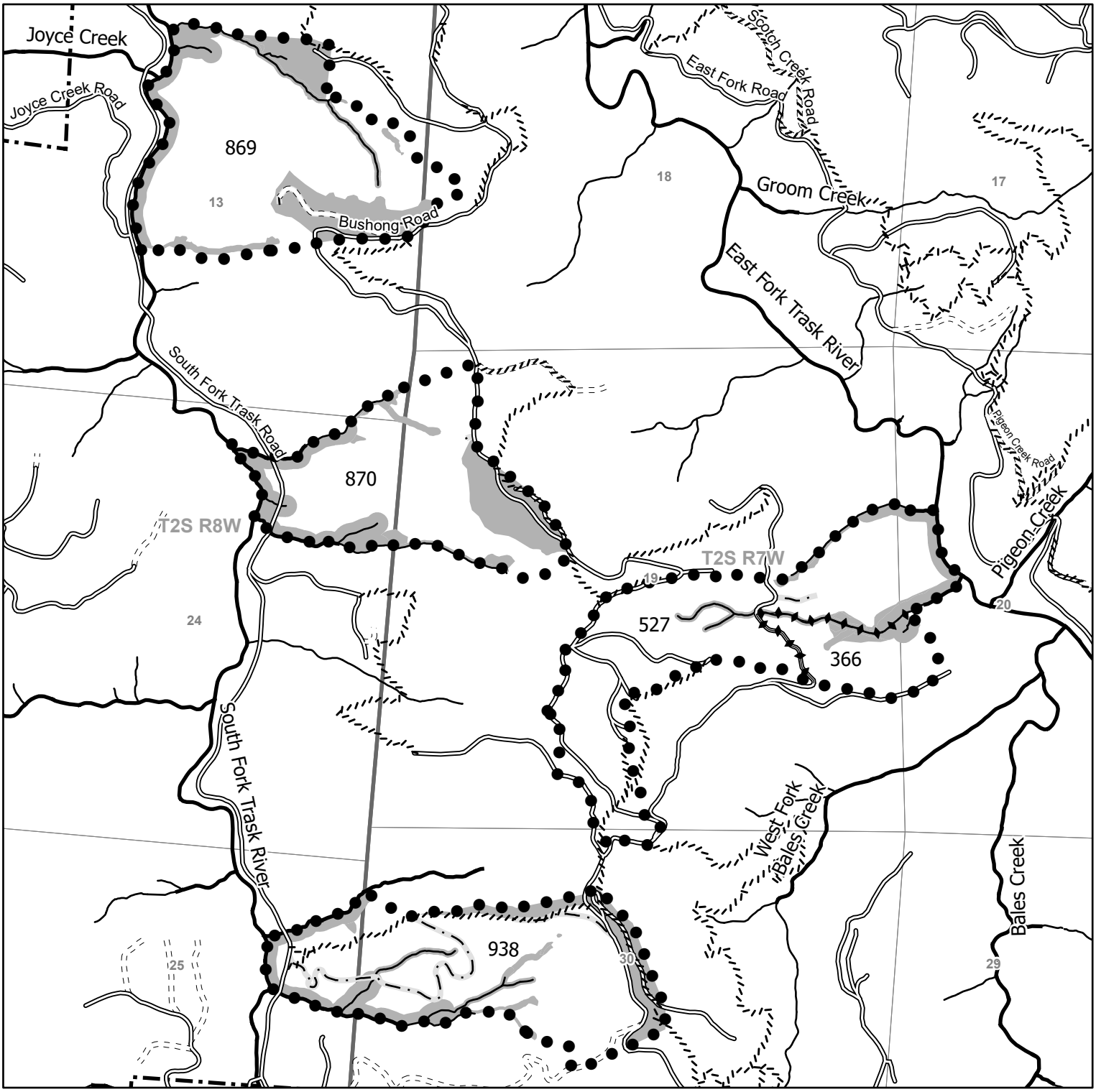
XI. OTHER RESOURCE CONSIDERATIONS:

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 small number of acres in three of the units are 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.

2. Are there any other resources present that need additional consideration? ☐ No ☒ Yes, please describe:

   - **Unit Size**:
     - The current sale shape of Units 366 and 527 combined is greater than 120 acres. There are multiple streams within the sale that require stream surveys. Depending on the results of these surveys the acreage of the sale may drop to below 120 acres. If it does not modifications will be made to the sale boundaries to ensure that the sale is under this threshold.
     - 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.
   - **No Harvest (Other):**
     - Unit 869 and 870 – Previously harvested areas that may need to be yarded through.
     - Unit 938 – Previously harvested areas. The area along the northern boundary is included to accommodate the eventual planned road and possible landing locations. The area along the eastern boundary may be needed for landing locations and may be yarded through.



FY 2027 - Tillamook District
Bushong Road
Portions of Section(s) 18, 19, 20, 30, T2S, R7W;
Sections 13, 24, 25, T2S, R8W W.M.
Tillamook County

State Forest Division
1/29/2026

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.

1:18,000

1,000 500 0 1,000 Feet

Legend

- Unit Boundary
- Sale Boundary
- Surfaced
- Unsurfaced
- Ownership Boundary
- Perennial Fish
- Perennial Non-Fish
- New Road Construction
- Recreation Trails
- No Harvest Area
- No Harvest - Existing Road; New Construction

Unit 366	26	Acres (CC)
Unit 527	96	Acres (CC)
Unit 869	97	Acres (CC)
Unit 870	66	Acres (CC)
Unit 938	86	Acres (CC)

Total 371 Acres

N