

Pre-Operations Report

Operation Name: Tide Flats

County (%): Clatsop (100%)

Elevation: 932 – 1,405 ft

Legal Description: T6N, R7W, Section 30; T6N, R8W, Section 25

Tax Code(s): 8-01, 1-02

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

Sale Quarter: 4

I. VOLUME AND VALUE SUMMARY

Table 1. Types, Acres, and Value

Unit	Harvest Type	Anticipated Product ³	Gross Acres	Net Acres	MBF/ Acre ¹	MBF/ Unit ¹	\$ / MBF ²	\$ / Unit
1	CC	WH-M, DF-L	90	59	50.0	2,950	\$375	\$1,106,250
2	CC	WH-M, RA-S	77	47	35.0	1,645	\$375	\$616,875
Total		Regeneration	167	107		4,595		
		Partial Cut						
						Gross Value		\$1,723,125
1. Estimated harvest volume per acre for Unit.						Project Costs		\$410,900
2. Estimated ‘price’ (excluding Project Costs)						Net Value		\$1,312,225
3. 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 ¹	Species	Age	TPA	DBH	BA	SDI	Net Acres ²
1	25085	I = 23811	WH, DF	75	107	21	259	59%	59
2	23792	M	RA, WH	73	94	16	124	32%	3
2	23807	M	WH, RA	75	124	19	252	59%	24
2	23829	I = 23807	WH, RA	75	124	19	252	59%	20

- 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).
- Net Acres have been rounded to the nearest whole acre in this table. Stands that comprise less than one acre of a harvest unit are not reported in this table. Total "Net Acres" per unit in this table may not equal the total "Net Acres" per unit in table 1.

- Unit 2 was thinned in the late 1990s.

Table 3. Additional Stand Information

Unit	Stand ID	Snags/Acre ¹	Down Wood/Acre ²	Forest Health		
				SNC	Phellinus	Other ³
1	25085	17	283			Mistletoe
2	23792	9	32			Mistletoe
2	23807	12	150			Mistletoe
2	23829	12	150			Mistletoe

1. Identify the number of hard snags per acre (decay classes 1 and 2).
2. Identify the cubic feet per acre of hard down wood (decay classes 1 and 2)
3. Describe "Other" forest health issues

III. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

Foresters need to read the Biological Survey Tracking Form (BSTF) prior to sale layout in order to ensure all T&E related information is understood. (Consult the ODF Wildlife Biologist assigned to your District for the BSTF)

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) ☐ No (Not habitat) ☐ N/A (outside of MM survey zone)
 - Notes: Surveys for both units were conducted in 2021/2022 and expire on 04/01/2028. A portion of Unit 2 was surveyed in 2019/2020 and the surveys expire on 04/01/2026 which may require an early felling date on some small portions of the Sale. District should work with Biologist to identify the exact areas of early felling.
4. Are there any additional considerations (FPA Resource Sites, Species of Concern sites/Plant [from ORBIC], big game habitat/management, other)?
☒ No ☐ Yes, please describe:

IV. DESIRED FUTURE CONDITION AND PRESCRIPTION:

Table 4. Stand Structure Information

Unit	Stand ID	Current	Desired Future	Inside of HCA	Net Acres ¹
1	25085	LYR	GEN	No	59
2	23792	UDS	GEN	No	3
2	23807	UDS	GEN	No	24
2	23829	UDS	GEN	No	20

1. Net Acres have been rounded to the nearest whole acre in this table. Stands that comprise less than one acre of a harvest unit are not reported in this table. Total "Net Acres" per unit in this table may not equal the total "Net Acres" per unit in table 1.

Table 5. Partial Cut Prescription (Complete only for Partial Cut Harvests)

Unit	Harvest Type	Harvest Species	Residual			
			Species	TPA	BA	% SDI
1	CC					
2	CC					

V. HARVESTING AND ACCESS CONSIDERATIONS:

Table 6. Harvest System and Access Summary

Unit	Harvest System		Slope (%)	Area Access	Seasonal Access
	% Cable	% Ground			
1	80	20	35-65	Simple	Combo
2	20	80	35-65	Established	Combo

- One spur within Unit 2 will be seasonal (unsurfaced) but this will only affect a very small portion of the Unit.
1. Haul Route (list roads to be used for this operation):
 - Cedar Flats Road and Little Fishhawk Road
 2. Haul Route Condition:
 - A project is planned for replacement rock and maintenance needs. Interior working spurs will be assessed during sale layout to determine if more extensive road maintenance is needed.
 - Cedar Flats Road and Little Fishhawk Road will be maintained with a lift of surfacing rock.
 - Improvement, surface rock replacement, and/or maintenance on private ownership roads will be necessary if an easement is needed to access portions of Unit 1. This may include road brushing, culvert replacement, surfacing restoration, construction of truck turnarounds, or junction reconstruction, and installation of a gate at the property line. Use of these roads will be seasonal to minimize improvement costs.
 3. Are easements required for the haul route? ☒ Yes ☐ No
 - As more work is done to confirm the logging plan, if roads on the adjacent landowner are needed, they will require an easement. The proposed roads, if necessary, are shown on the maps and included in the tables. A road use and road maintenance fee will likely be assessed by the private landowner.

Table 7. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0.6	0.3
Improve, Rock, and/or Maintain	0	0	3.2	0
Block	0	0	0	0.3
Vacate	0	0	0	0
Stream Crossings: install on existing road (IE)/replace on existing road (R) / <u>install on new construction road (NC)</u>				
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)

- New roads constructed off private property in Unit 1 will be temporary dirt spurs.
4. Rock Sources for this operation:
- Rock will be crushed at the Hamilton Creek Quarry. This will include crushing additional rock to be stockpiled at Slaughters Creek, Swede Road, and Hamilton Creek stockpiles for future maintenance needs.
5. Are property line surveys required for this operation? ☐ Yes ☒ No
- The boundary of Unit 1 was surveyed, blazed, and posted in November, 2023.
6. Is there planned new road construction planned within RCAs/HCAs? ☒ Yes ☐ No
- New road construction within RCA and/or 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. Portions of the new construction road in the south west of Unit 2 are within the RCA. This road is to be left unsurfaced to coincide with summer logging to minimize impacts. The road is in this location to avoid stream crossings that have previously been vacated.

VI. AQUATIC RESOURCES:

1. Do any streams additional review for the following?
- Fish presence: ☐ No ☒ Yes
 - Perennial/Seasonal: ☐ No ☒ Yes
 - H.E.R./P.D.F.T: ☒ No ☐ Yes
 - There are several 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 fish presence, 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 Points of Diversion (Domestic Water) located downstream within 3,000 feet of Operations?
☒ No ☐ Yes, describe protection measures:
4. 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
1	N	Y	See Recommendations
2	N	Y	None

- **Geotech Review:** Harvest Unit Review Complete, Stream Review is not: 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.

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:

IX. HISTORIC AND CULTURAL RESOURCES:

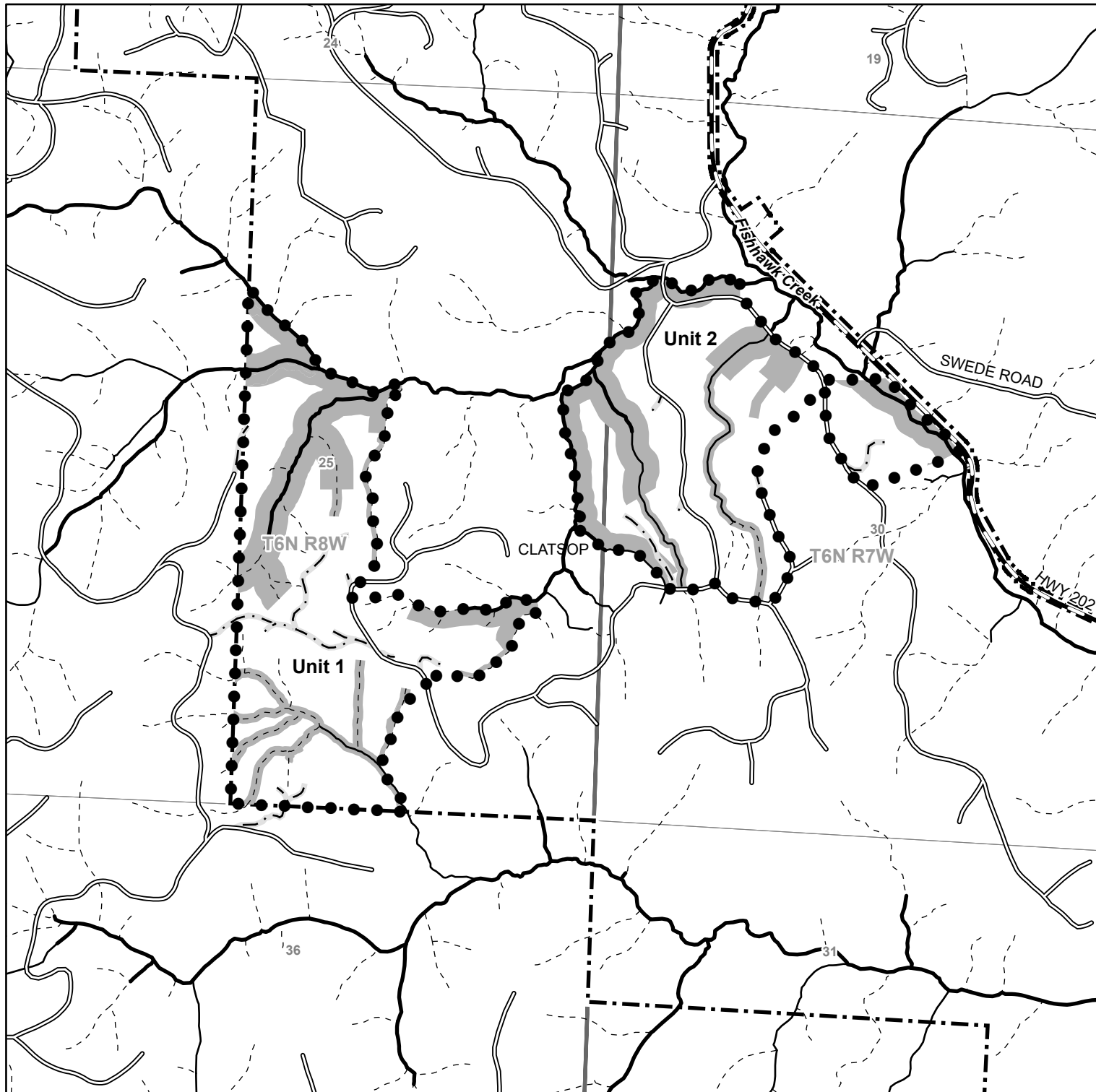
1. Has the sale been reviewed by a qualified archaeologist for potential historic or cultural resource presence?
☒ Yes ☐ No

X. SCENIC RESOURCES:

1. Are there scenic resources in the vicinity of this operation that need additional consideration?
☐ No ☒ Yes, please describe:
- Portions of Unit 2 are visible from Highway 202 and this will be taken into account when determining green tree retention strategies.

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, describe below
2. Are there any other resources present that need additional consideration? ☒ No ☐ Yes, please describe:
- **Survey Expirations:** The portion of Unit 2 that has an early felling deadline is <1 acre west of the road in between the stream buffers. Depending on how the unit is posted this area may be within the posted buffers or will be included with project work felling to minimize impacts to the sale.
 - **Adjacent Landowners:** Unit 1 is adjacent to private industrial landowners.



Legend

- ● Sale Boundary
- No Harvest Area
- - - New Road Construction
- Paved Roads
- Surfaced Roads
- Perennial Fish Streams
- Perennial Nonfish Streams
- - - Unknown Streams
- Ownership Boundary

FY 2025 - Astoria District Tide Flats Portions of Section 25, T6N, R8W, Portions of Section 30, T6N, R7W, W.M. Clatsop County

Unit 1	59	Acres (CC)
Unit 2	47	Acres (CC)
Total	107	Acres

State Forest Division
02/15/2024

This product is for informational use and may not be suitable for legal, engineering, or surveying purposes. Variations may exist between and among data sets in use by the Department of Forestry. This map was developed using the Statewide Stream Layer.

1:12,000
1,000 500 0 1,000 Feet

