

Pre-Operations Report

Operation Name: Slough Hill

County (%): Clatsop (100%)

Elevation: 31 - 173 ft

Legal Description: T8N, R7W, Sections 9, 10

Tax Code(s): 4-03

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

Sale Quarter: Alt

I. VOLUME AND VALUE SUMMARY

Table 1. Types, Acres, and Value

Unit	Harvest Type	Anticipated Product ^c	Gross Acres	Net Acres ^d	MBF/Acre ^a	MBF/Unit ^a	\$/MBF ^b	\$/Unit
1	CC	DF-S, WH-S	187	120	35.0	4,200	\$300	\$1,260,000
Total		Regeneration	187	120		4,200		
		Partial Cut						
							Gross Value	\$1,260,000
a. Estimated harvest volume per acre for Unit.							Project Costs	\$99,150
b. Estimated 'price' (excluding Project Costs)							Net Value	\$1,160,850
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)								
d. Current acreage within sale polygon for Unit 1 exceeds 120 acres. On the ground assessments remain of some stream locations and green tree retention areas or potential sale boundary edits will be assessed if needed to keep acreage under 120.								

II. CURRENT STAND CONDITION:

Table 2. Stand Inventory Information

Unit	Stand ID	Measured/Imputed ^a	Species	Age	TPA	DBH	BA	SDI	Net Acres ^b
1	23037	I = 23068	DF, WH	39	337	11	213	63%	36
1	23043	M	DF, WH	38	363	10	214	64%	10
1	23045	M	DF, RA	35	271	11	182	53%	5
1	25024	I = 23050	DF, CH	55	163	14	172	46%	83

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.

- Stand 25024 was planted in the early 1980's and pre-commercially thinned in the late 1970s
- Stand 23037 was planted in the early 1980s
- Stand 23043 was thinned in 2012.

Table 3. Additional Stand Information

Unit	Stand ID	Snags/Acre ^a	Down Wood/Acre ^b	Forest Health		
				SNC	Phellinus	Other ^c
1	23037	10	616			
1	23043	3	555			
1	23045	1	884			
1	25024	11	481			

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 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/completed) ☐ No (Not habitat) ☐ N/A (outside of MM survey zone) Yes (in progress/completed) ☐ No (Not habitat) ☐ N/A (outside of MM survey zone)
 - Notes: Surveys are being conducted for portions of the sale unit in 2023/20204 and 2024/2025. These surveys will expire on 04/01/2030 and 04/01/2031 respectively.
4. Are there any additional considerations (FPA Resource Sites, Species of Concern sites/Plant [from ORBIC¹], 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 ^a
1	23037	UDS	GEN	No	36
1	23043	UDS	GEN	No	10
1	23045	UDS	GEN	No	5
1	25024	CSC	GEN	No	83

- 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.

Table 5. Partial Cut & HCA Prescriptions (Complete only for Partial Cut and HCA Harvests)

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

V. HARVESTING AND ACCESS CONSIDERATIONS:

Table 6. Harvest System and Access Summary

Unit	Harvest System		Slope (%)	Unit Access	Seasonal Access
	% Cable	% Ground			
1	20	80	35-65	Unverified	Combo

- Haul Route: Fertile Valley Road to Brownsmead Hill Road
 - All sale access roads are behind a locked gate. Gate is located at the junction Fertile Valley Road and Brownsmead Hill Road.
- Haul Route Condition:
 - A road improvement 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.
 - Fertile Valley Road was improved/maintained with a previous sale. Projects on the main haul route will be minimized.
- Are easements required for the haul route? ☐ Yes ☒ No

Table 7. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0.4	0.6
Improve, Rock, and/or Maintain	0	0	2.3	0
Block (Dormant)	0	0	0	0.6
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	1 NC

a. Salmon Steelhead and Bull Trout (SSBT)

- Rock Sources for this operation: Big Noise and Hunt Creek Stockpiles. Pit-run is available at the Big Noise or Hunt Creek Quarry.
- Are property line surveys required for this operation? ☒ Yes ☐ No
 - North boundary of Unit 1 will require refreshing of previously established line. If the line cannot be located, it will be necessary to survey the line. Any surveying will be contracted in Summer/Fall of 2024, or early 2025.
- Is there planned new road construction planned within RCAs/HCAs? ☒ Yes ☐ No
 - New road construction within the RCA 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. As part of new construction there is a Type N crossing on an existing grade that will install a pipe where a previous one was vacated. It will be removed upon completion of use.

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	

- **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

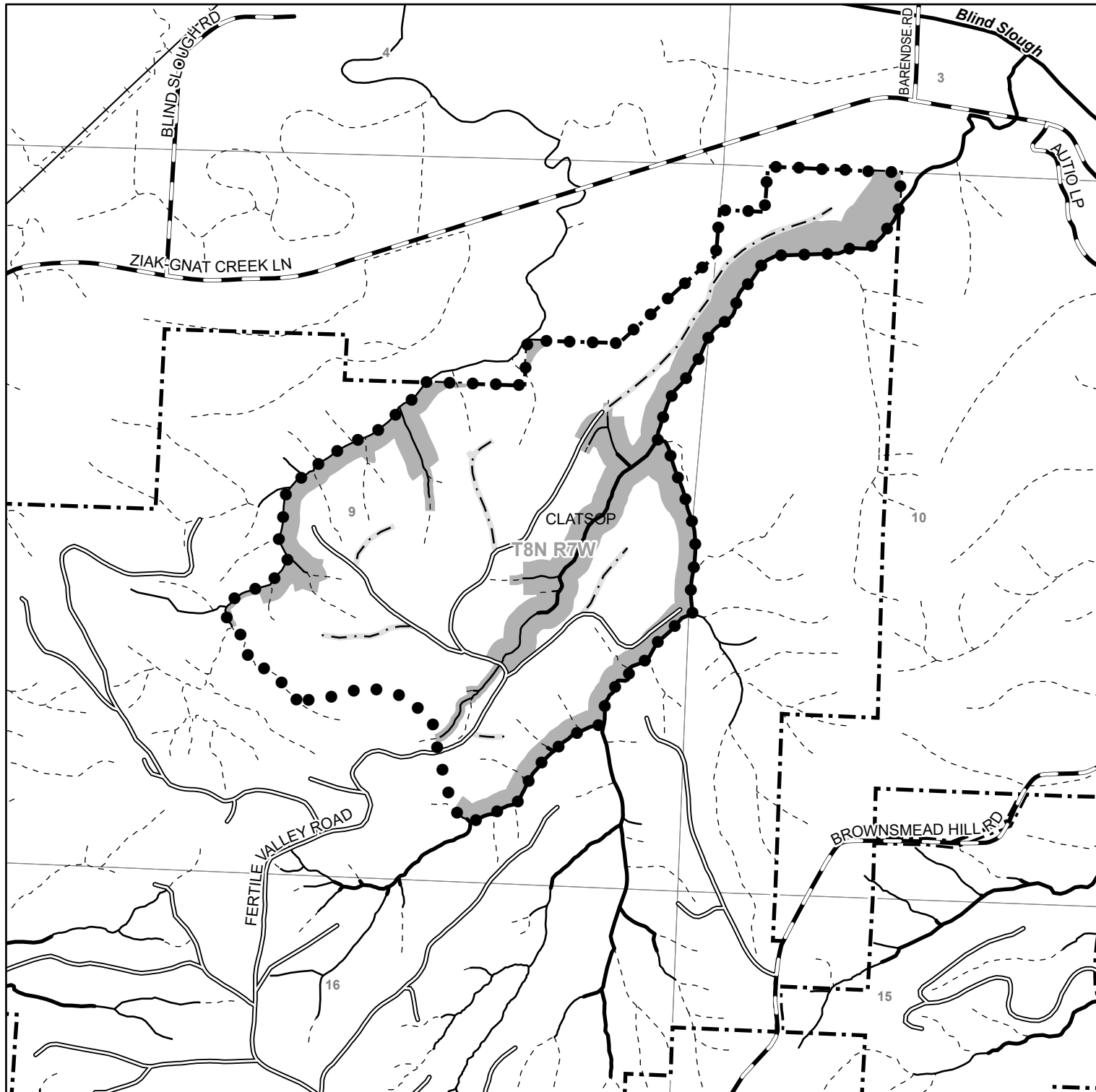
X. SCENIC RESOURCES:

1. Are there scenic resources in the vicinity of this operation that need additional consideration?
☐ No ☒ Yes, please describe:
 - Portions of the sale may be visible from Ziak-Gnat Creek Lane 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

- There is a Swiss Needle cast transect withing the sale unit. This transect is managed by the Astoria ODF office, is no longer in use, and is available for harvest.
2. Are there any other resources present that need additional consideration? ☐ No ☒ Yes, please describe:
- **Unit Size:** The current sale shape 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.
 - **Adjacent Landowners:** Unit 1 has a boundary adjacent to private homeowners. Due to the proximity of homeowners additional restrictions for controlled felling, operating timing restrictions and outreach will be required during sale layout and administration.



Legend

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

FY 2025 - Astoria District Slough Hill Portions of Sections 9, 10, T8N, R7W, W.M. Clatsop County

120 Acres (CC)

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

