Pre-Operations Report

Operation Name: Sonic
County (%): Clatsop (100%)
Elevation: 943 - 1,693 ft
Legal Description: T7N R6W, Sections 13, 24, 25

Tax Code(s): 8-01, 30-05
BOF%: 100% **CSL%:** 0%
Sale Quarter: Alternate

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
1	CC	DF-L, WH-M	103	76	29	2,204	$400	$881,600
2	CC	DF-M, WH-M	59	52	26	1,352	$400	$540,800
3	PC	DF-S, WH-S	14	12	7	84	$375	$31,500
Total		Regeneration	162	128		3,640		
		Partial Cut	14	12				
						Gross Value		$1,453,900
a. Estimated harvest volume per acre for Unit.						Project Costs		$96,300
b. Estimated 'price' (excluding Project Costs)						Net Value		$1,357,600

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]
1	24869	M	DF, WH	86	61	23	180	40%	11
1	24870	I = 23517	DF, WH	88	60	24	192	41%	29
1	24873	M	DF, WH	14				0%	36
2	23445	I = 23535	DF, WH	45	169	14	191	51%	19
2	24627	I = 24267	DF, WH	85	75	21	177	41%	32
3	23445	I = 23535	DF, WH	45	169	14	191	51%	12

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 #24873 was heavily salvaged and the age of the stand is representative of the planted stand and not the overstory. The reduced volume in the overstory of this stand was taken into account when calculating the total Unit volume.
- These stands were planted. Unit 1 and the southern portion of Unit 2 were thinned in 2004. Unit 1 was salvaged in 2005. The northern portion of Unit 2 and Unit 3 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]
1	24869	6	206			
1	24870	5	86			
1	24873	0	770			
2	23445	6	33			
2	24627	15	136			
3	23445	6	33			

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.

- Scotchbroom is present in some locations along haul route

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 started in 2025 and are continuing in 2026 for Units 1 & 2. These surveys will expire on 04/01/2032. There is unsurveyed habitat adjacent to Unit 3. The programmatic survey waiver with seasonal restrictions applies.
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
1	24869	UDS	GEN	11	0
1	24870	UDS	GEN	29	0
1	24873	REG	GEN	36	0
2	23445	UDS	GEN	19	0
2	24627	UDS	GEN	32	0
3	23445	UDS	GEN	12	12

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
1	CC					
2	CC					
3	PC	DF, WH	DF, WH	110-150	110-160	30-40

- **Prescription Considerations:**
  - This unit is a planned healthy conifer first entry thinning within the Habitat Conservation Areas. The intent of thinning within these areas is to promote later seral habitat development by thinning out the dense structure allowing more light to reach the forest floor. This will help maintain growth and enhance limb and crown structure of the dominant cohort and foster natural recruitment of minor tree and understory species. It will also improve trajectories for understory development, compositional diversity, and canopy layering ultimately aiding in the development of higher quality suitable habitat and mature forest connectivity. Prescriptions may incorporate a mix of wind firm "skips" adjacent to No Harvest Areas, gap-cuts, areas of untreated stands, and variable density thinning prescriptions. Residual tree selection will emphasize preserving the trees of good form and vigor with the largest diameter and height. Minor species will be evaluated to reserve based on the composition of the stand and the amount of diversity present. District staff will work with the ODF Wildlife Biologist to further refine prescription strategies for these areas during sale layouts.

- **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 larger diameter trees within Units 1 & 2 as part of the retention strategy.
  - Wildlife: Prioritize leave trees with platforms in Units 1 & 2 where habitat exists.

Table 6. Reforestation

Unit	Planting Species Mix (%)*	TPA*	Considerations (ex. Elevation, SNC, Aspect, Animal Damage)
1	50% DF, 40% WH, 5% GF, 5% WRC	400	Elev. < 1,500'. SNC Zone= No. Anticipated seedling animal damage= mountain beaver, elk, deer.
2	50% DF, 40% WH, 5% GF, 5% WRC	400	Elev. > 1,500'. SNC Zone= No. Anticipated seedling animal damage= mountain beaver, elk, deer.
3	None		

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

- **Reforestation Considerations:**
  - **Aspect:** North, east, south, west.
  - **Elevation:** Plant unit 1 with low elevation stock types. Plant unit 2 with high elevation stock types.
  - **Animal Damage:** Post-harvest operations review for mountain beaver management needs. Scatter highly desirable elk and deer browse tree species across units. Plant at a TPA density anticipating some elk and deer browse mortality.

- **Insect/Disease:** Where laminated root rot presence is known plant that area with tolerant stock types.
- **Brush:** Post-harvest operations review for vegetation management needs.
- **Slash:** Assure slash management plan is followed during harvest operations.
- **Planting:** Scatter WRC throughout units, focusing on wetter areas.

V. HARVESTING AND ACCESS CONSIDERATIONS:

Table 7. Harvest System and Access Summary

Unit	Harvest System		Slope (%)	Unit Access	Seasonal Access
	% Cable	% Ground			
1	20	80	>65	Simple	All Weather
2	20	80	>65	Verified	All Weather
3	20	80	35-65	Simple	All Weather

1. Haul Route:
   - East Kerry and West Creek Roads.
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.
   - West Creek Road was recently improved/maintained with previous timber sales. Improvements will be minimal to support the Sonic and Lower Horsehawk timber sales (FY27-Alternates) including patch rock and grading.
   - East Kerry Road and sale unit spurs were improved/maintained with a previous timber sale. Improvements will be minimal to support the planned use.
3. Are easements required for the haul route? ☐ No ☒ Yes
   West Creek Road. Easement (#311.04318) dated March 6, 1963, by and between the State of Oregon, Board of Forestry and Ruth S. Leupold and Marcus Leupold. Current landowner: Steve Gerttula.

Table 8. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0.3	0
Improve, Rock, and/or Maintain	0	7.0	2.3	0.1
Vacate	0	0	0	0
Stream Crossings: install on existing road (IE)/replace on existing road (R)/install on new construction road (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)

- Opportunities to vacate or block new or existing roads and/or spurs will be considered during sale layout.
- Two short spurs in Unit 2 may not be constructed if decided to cable log to the existing road. This will be determined during sale layout and finalizing the logging plan.

4. Rock Sources for this operation:

   - Viewpoint and Kerry Stockpiles.
   - Pit-run and Jaw Run are available at the Viewpoint Quarry.

5. Are property line surveys required for this operation? ☐ No ☒ Yes

   - Unit 1: The eastern property boundary will need to be located during sale layout. Blazes and posting were located during an adjacent timber sale. If it cannot be located the line will need to be surveyed to mark the lines.
   - Unit 2: The eastern boundary will need to be located during sale layout. Blazes and posting were located during previous thinning and/or cut up against by the neighboring landowner. If it cannot be located the line will need to be surveyed to mark the lines.

6. Is there planned new road construction planned within RCAs/HCAs? ☒ No ☐ Yes

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:

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:

VII. SLOPE STABILITY ISSUES:

Table 9. Summary of Slope Stability Assessment

Unit	Harvest Review Complete	Public Safety Review Complete
1	N	Y
2	N	Y
3	Y	Y

- **Geotech Review:** Initial geotechnical reviews have been completed and those findings have been incorporated into No Harvest buffers. Some slope protections are dependent on further field review 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:

IX. HISTORIC AND CULTURAL RESOURCES:

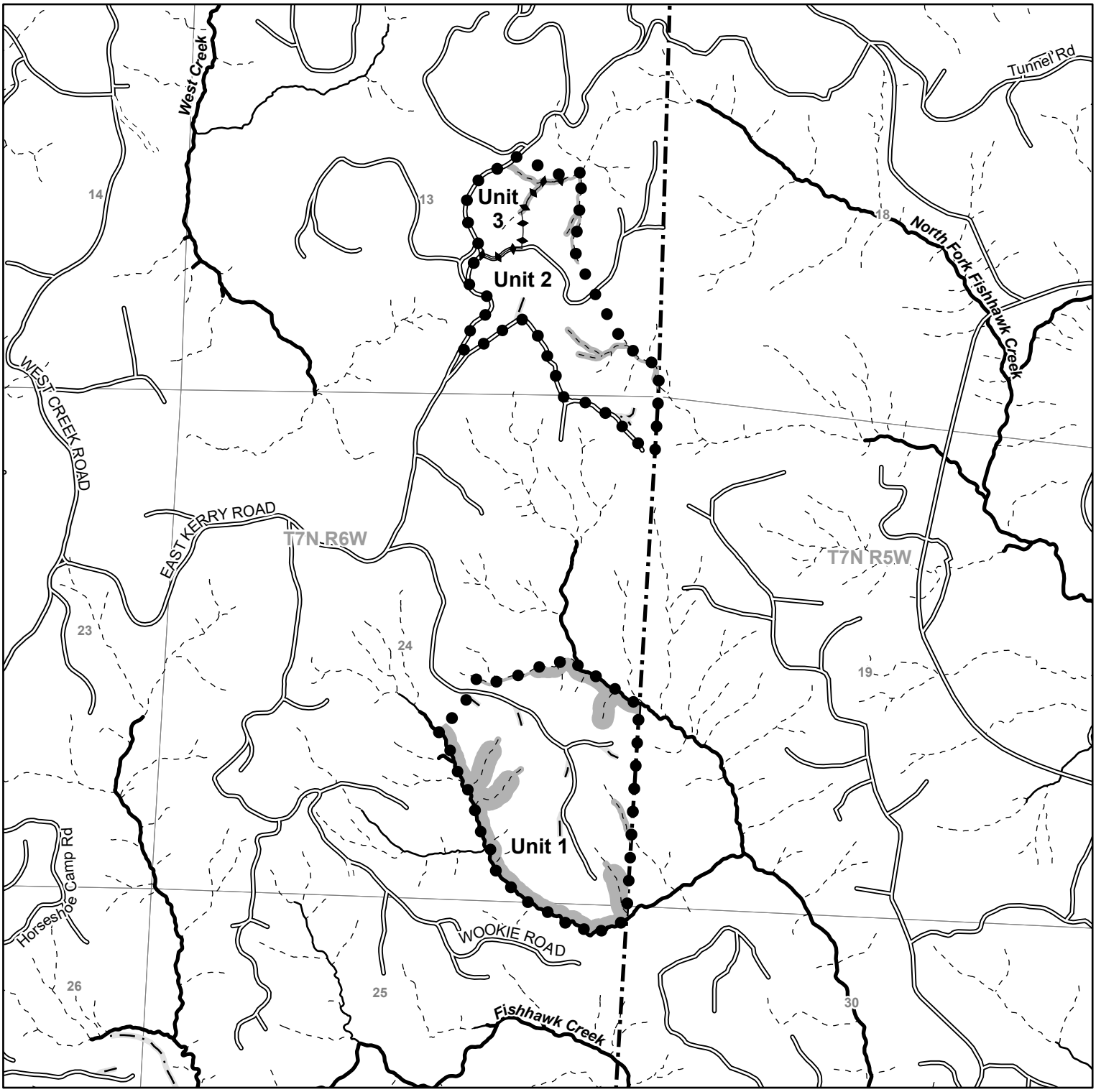
1. Has the sale been reviewed by a qualified archaeologist for potential historic or cultural resource presence? ☐ No ☒ Yes

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:
2. Are there any other resources present that need additional consideration? ☐ No ☒ Yes, please describe:
   - **Adjacent Landowners (shared property lines):**
     - State, Private Industrial (Units 1 and 2)
       - District staff will work with adjacent private landowners to determine what additional outreach is needed during the sale process and if any additional restrictions are needed.



Legend

- Unit Boundary
- Sale Boundary
- No Harvest Area
- New Road Construction
- Surfaced Roads
- Unsurfaced Roads
- Perennial Fish Streams
- Perennial Non-Fish Streams
- Seasonal Streams
- Ownership Boundary

FY 2027 - Astoria District
Sonic
Portions of Sections 13, 24 & 25, T7N, R6W, W.M.
Clatsop County

State Forest Division
02/05/2026

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 Flowline Layer.

1:18,000

1,000 500 0 1,000 Feet

Unit 1 76 Acres (CC)
Unit 2 52 Acres (CC)
Unit 3 12 Acres (PC)

Total 140 Acres

N