

Pre-Operations Report

Operation Name: Gazoo Combo

County (%): Clatsop (100%)

Elevation: 793 - 2,202 ft

Legal Description: T7N, R6W, Sections 19, 20, 29, 31, 32

Tax Code(s): 30-05

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

Sale Quarter: 3

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	PC	DF-M, WH-M	107	87	18.0	1,566	\$500	\$783,000
2	CC	DF-L, RA-S	65	56	45.0	2,520	\$500	\$1,260,000
3	PC	DF-L, WH-M	43	34	20.0	680	\$500	\$340,000
4	CC	DF-L, WH-M	76	59	42.0	2,478	\$500	\$1,239,000
5	CC	DF-L, WH-M	96	82	40.0	3,280	\$500	\$1,640,000
6	CC	DF-M, WH-M	124	117	38.0	4,446	\$500	\$2,223,000
Total		Regeneration	362	313		14,970		
		Partial Cut	151	121				
						Gross Value		\$7,485,000
a. Estimated harvest volume per acre for Unit.						Project Costs		\$554,898
b. Estimated ‘price’ (excluding Project Costs)						Net Value		\$6,930,102
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	23537	I = 24395	RA, DF	78	99	19	195	46%	7
1	23557	M	WH, RA	75	87	20	186	43%	23
1	23581	M	DF, WH	77	194	16	277	70%	57
2	23555	M	DF, RA	73	116	20	245	57%	4
2	23558	M	DF, WH	75	63	22	160	36%	38
2	25002	M		9				0%	5
2	25031	I = 23483	RA, DF	73	199	14	201	54%	10
3	23555	M	DF, RA	73	116	20	245	57%	34
4	23451	M	WH, DF	69	87	19	168	40%	59
5	23451	M	WH, DF	69	87	19	168	40%	73
5	23489	I = 23396	RA, DF	74	134	18	224	55%	9
6	23478	I = 23458	DF, RA	69	153	17	231	58%	2
6	24491	M	DF, WH	68	104	19	195	47%	115

- 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.

- The stand boundary for 25002 is drawn incorrectly. Unit 1 does not include any 9 year-old trees. Stand 25002 should be included with stand 23558 and is shown as such in the remainder of this document.
- Approximately 17 acres in the north of Unit 1 were thinned in 2001 and 2008.
- Unit 2: The majority of Unit 2 was thinned in 2001 and 2008.
- Units 4, 5 and 6: These units were thinned in 1999.

Table 3. Additional Stand Information

Unit	Stand ID	Snags/ Acre ^a	Down Wood/ Acre ^b	Forest Health		
				SNC	Phellinus	Other ^c
1	23537	24	74			
1	23557	31	311			
1	23581	30	373			
2	23555	55	172			
2	23558	19	227			
2	25031	9	419			
3	23555	55	172			
4	23451	17	210			
5	23451	17	210			
5	23489	30	216			
6	23478	23	578			
6	24491	13	206			

- 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 a Wildlife Biologist or the Area Biologist 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)
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 began for Units 1, 2, and 3 in 2023 and will continue in 2024. Survey coverage will expire on 04/01/2030.

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	23537	UDS	GEN	Yes	7
1	23557	LYR	GEN	Yes	23
1	23581	UDS	GEN	Yes	57
2	23555	UDS	GEN	No	4
2	23558	CSC	GEN	No	43
2	25031	UDS	GEN	No	10
3	23555	UDS	GEN	Yes	34
4	23451	LYR	GEN	No	59
5	23451	LYR	GEN	No	73
5	23489	UDS	GEN	No	9
6	23478	UDS	GEN	No	2
6	24491	UDS	GEN	No	115

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	PC	DF	DF	70-100	120-140	30
2	CC					
3	PC	DF	DF	70-100	120-140	30
4	CC					
5	CC					
6	CC					

- Units 1 and 3 are mature wood thinnings within the Habitat Conservation Areas. The intent of thinning within these areas is to promote habitat by thinning out the dense structure allowing more light to reach the forest floor. This will allow increased understory development and improve the layering of structure within the stand. Prescriptions may incorporate a mix of gap-cuts, areas of untreated stands, and variable density thinning prescriptions. Minor species will be evaluated to reserve based on the composition of the stand and the amount of diversity present. Residual tree selection will emphasize preserving the trees of good form and vigor with the largest diameter and height. Prescriptions will vary on the smaller to medium size classes to retain any existing structure. Layout foresters will work with the ODF Biologist to further refine prescription strategies for Units 1 and 3.

V. HARVESTING AND ACCESS CONSIDERATIONS:

Table 6. Harvest System and Access Summary

Unit	Harvest System		Slope (%)	Unit Access	Seasonal Access
	% Cable	% Ground			
1	100	0	>65	Unverified	Dry Weather Only
2	20	80	<35	Simple	Combo
3	20	80	<35	Simple	Dry Weather Only
4	0	100	<35	Established	All Weather
5	40	60	35-65	Established	All Weather
6	40	60	35-65	Established	All Weather

1. Haul Route: The anticipated haul route is Foster Mainline and Big Creek Mainline. If the Purchaser of the timber sale wants to use another haul route, a modification would need to be completed to ensure that necessary improvements are made to support the log haul.
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.
 - Foster Mainline and ODF portion of Big Creek Mainline will be maintained with a lift of surfacing rock. Maintenance on the private portions of Big Creek Mainline will be done to meet maintenance requirements of the easement.
3. Are easements required for the haul route? ☒ Yes ☐ No
 - Big Creek Mainline. Easement (#311.04595) dated December 18, 1998 by and between the State of Oregon, Board of Forestry and Agency Creek Management Co. Current landowner: Agency Creek Management Co. Big Creek Mainline: Road use fees of \$9.02/MBF and road maintenance.

Table 7. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0.3	1.1
Improve, Rock, and/or Maintain	9.3	0	4.0	0
Block	0	0	0	1.1
Vacate	0	0	0	0.5
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)

- The 0.5 miles of vacating is to assess and vacate portions of an existing railroad grade within the harvest unit. Portions of this railroad grade have been vacated in the past with other adjacent sales.

- Improvement/maintenance includes a portion of Big Creek Mainline on Agency Creek Management to meet maintenance requirements.
4. Rock Sources for this operation: Base rock will be obtained from the Knob Point Stockpiles, or pit-run from Knob Point Quarry. Surfacing rock will be crushed at Knob Point Quarry, or will utilize existing stockpiles if inventories are available.
 5. Are property line surveys required for this operation? ☐ Yes ☒ No
 6. Is there planned new road construction planned within RCAs/HCAs? ☒ Yes ☐ No
 - New road construction within a 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. Road construction for this sale is planned within the HCA to allow for access to the ridgetop.

VI. AQUATIC RESOURCES:

1. Do any streams additional review for the following?
 - a. Fish presence: ☐ No ☒ Yes
 - b. Perennial/Seasonal: ☐ No ☒ Yes
 - c. 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:
 - Portions of Units 1, 2, 3 & 6 are within the Northrup Creek Aquatic Anchor
 - Within the designated Aquatic Anchor, no harvest stream buffers will be extended out to 50 feet when regeneration harvesting near small perennial, debris flow-prone, and high-energy non-fish streams 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. Is there a Stream Enhancement Project planned? ☐ No ☒ Yes, please describe:
 - There is potential for a stream enhancement opportunity in Northrup Creek in Units 1 and 3. Additional field work will be conducted to determine the best candidates to focus stream enhancement efforts on over this fiscal year. The district shall consult with the ODF Aquatic and Riparian Specialist and the local ODFW Habitat Biologists as needed 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
1	N	Y	
2	N	Y	
3	N	Y	
4	N	Y	
5	N	Y	
6	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:

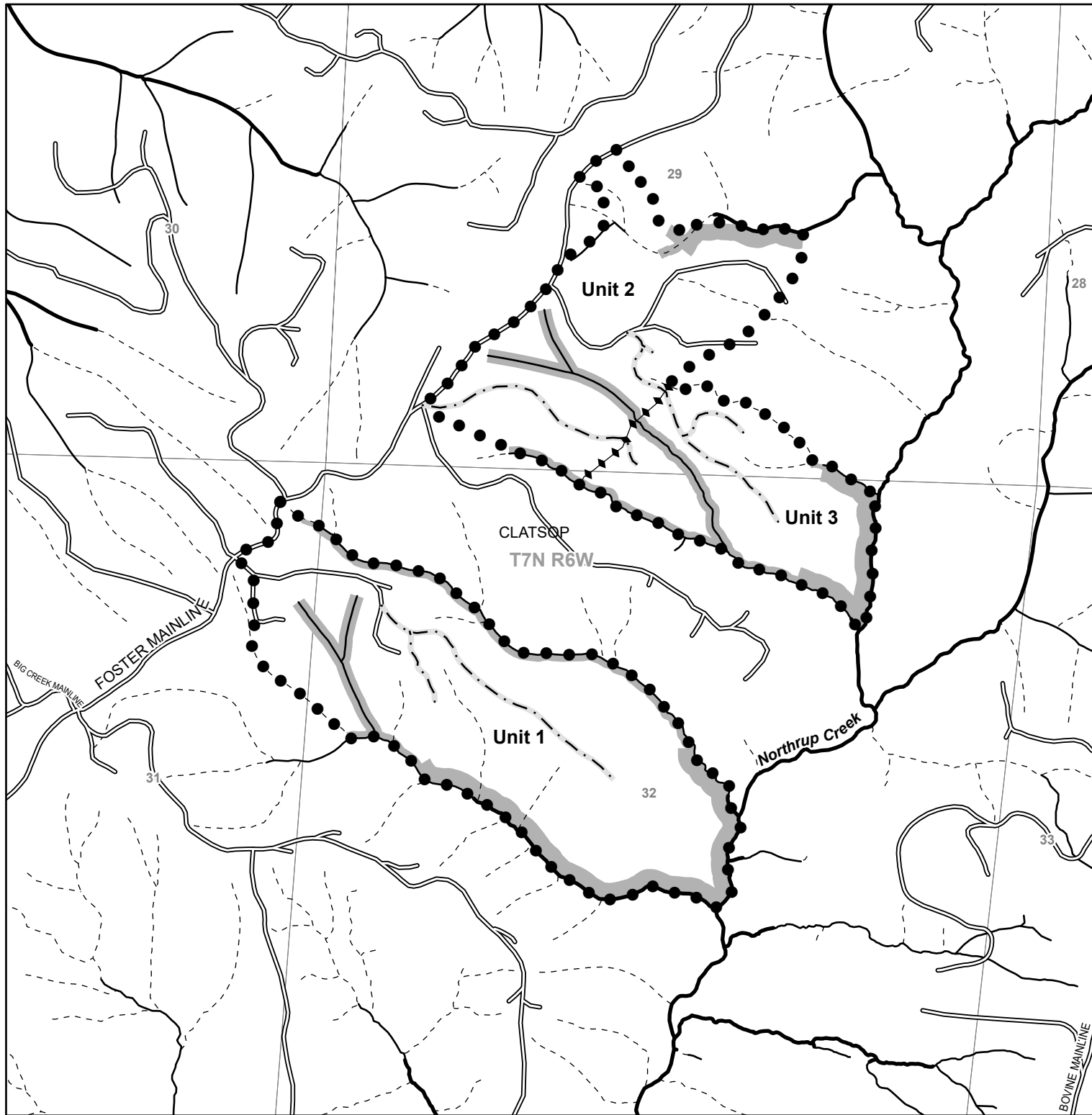
1. Has the sale been reviewed by a qualified archaeologist for potential historic or cultural resource presence?
☒ Yes ☐ No

X. SCENIC RESOURCES:

1. Are there scenic resources in the vicinity of this operation that need additional consideration?
☒ No ☐ Yes, please describe:

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:



Legend

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

FY 2025 - Astoria District Gazoo Combo Portions of Section 19, 20, 29, 31, 32, T7N, R6W, W.M. Clatsop County

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.

Unit 1	87 Acres (PC)
Unit 2	56 Acres (CC)
Unit 3	34 Acres (PC)
Unit 4	59 Acres (CC)
Unit 5	82 Acres (CC)
Unit 6	117 Acres (CC)

Total 434 Acres

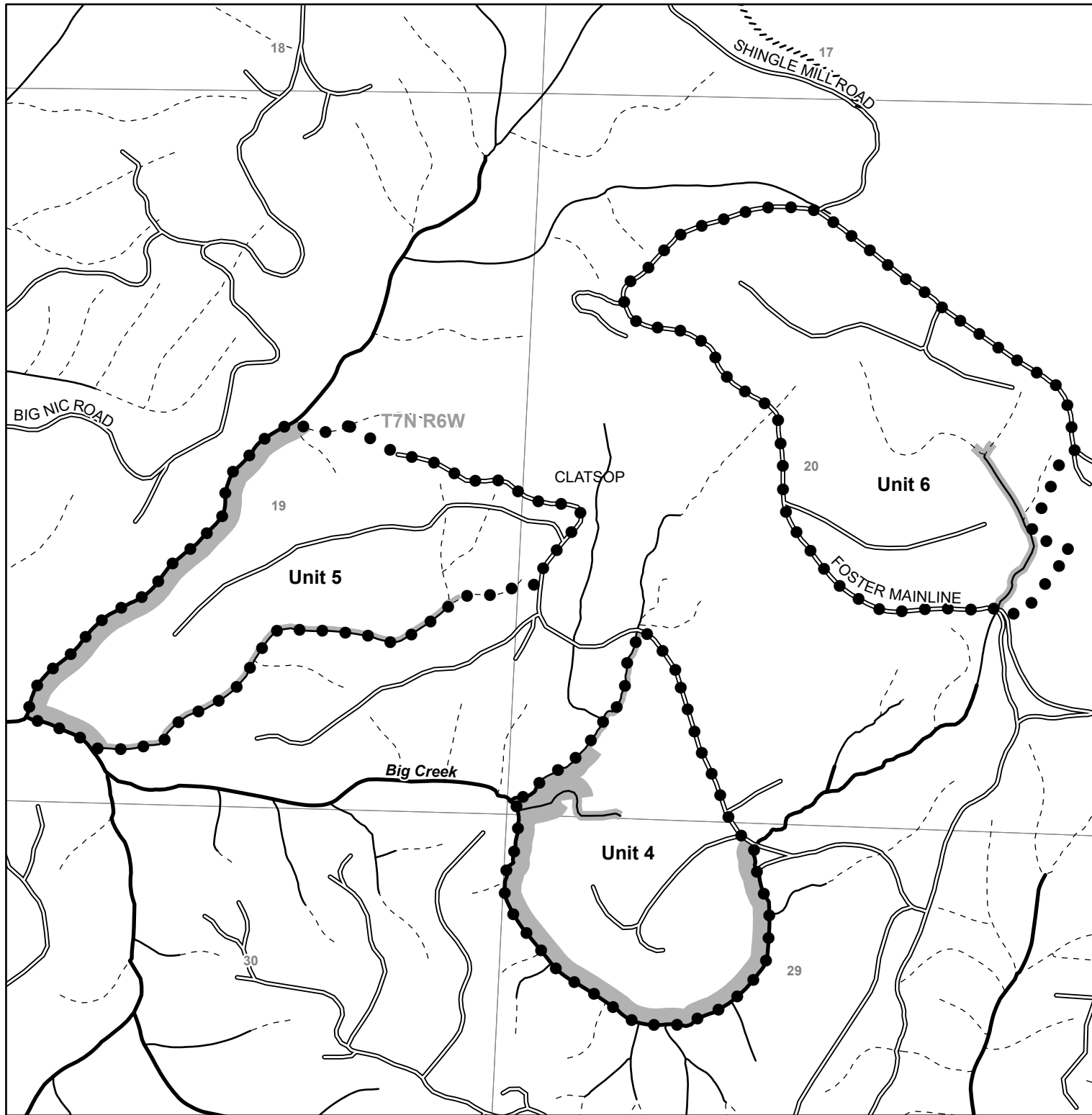


Map 1 of 2

1:12,000

1,000 500 0 1,000 Feet





Legend

- ● Sale Boundary
- No Harvest Area
- Recreation Trails
- Surfaced Roads
- Perennial Fish Streams
- Perennial Nonfish Streams
- Unknown Streams
- Ownership Boundary

**FY 2025 - Astoria District
Gazoo Combo
Portions of Section 19, 20, 29, 31, 32, T7N, R6W, W.M.
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