Pre-Operations Report

Operation Name: La Nina
Tax Code(s): 8-01, 8-02
County (%): Clatsop (100%)
BOF%: 100 **CSL%:** 0
Elevation: 543 - 1,365 ft
Sale Quarter: 3rd
Legal Description: T6N R7W, Sections 14, 23, 24, 25, 26, 27, 28, 29, 32, 33, 35

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-S	33	29	7	203	$325	$65,975
2	PC	DF-S	84	54	7	378	$325	$122,850
3	PC	DF-S	95	59	7	413	$325	$134,225
4	PC	DF-S	10	8	7	56	$325	$18,200
5	PC	DF-S	88	67	7	469	$325	$152,425
6	PC	DF-S	289	229	7	1,603	$325	$520,975
7	PC	DF-S	83	72	7	504	$325	$163,800
8	PC	DF-S	129	117	7	819	$325	$266,175
Total		Regeneration						
		Partial Cut	810	635		4,445		
						Gross Value		$1,444,625
a. Estimated harvest volume per acre for Unit.						Project Costs		$333,700
b. Estimated 'price' (excluding Project Costs)						Net Value		$1,110,925

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	23889	M	DF, RA	39	282	11	201	58%	27
2	23839	I = 23792	RA, WH	86	94	16	124	32%	2
2	23858	M	DF, RA	43	166	15	200	52%	38
2	23861	M	WH, DF	81	156	17	259	63%	1
2	24852	I = 23427	DF, SS	59	136	18	251	60%	11
3	23803	M	DF, WH	93	78	24	251	54%	2
3	23826	M	RA, WH	57	168	16	224	57%	4
3	23828	M	RA, WH	86	125	17	199	49%	5
3	23835	M	DF, RA	43	176	13	171	47%	17
3	23836	M	DF, WH	48	145	16	210	53%	28
3	23839	I = 23792	RA, WH	86	94	16	124	32%	4
4	23832	M	DF, RA	34	185	13	171	47%	8
5	23772	M	DF, RA	33	195	13	184	50%	66
6	23813	M	DF, WH	43	195	14	193	52%	227

7	23847	M	DF, RA	34	178	13	156	44%	72
8	23896	M	DF, RA	44	257	12	209	59%	91
8	23901	M	RA, WH	86	59	21	136	31%	9
8	24660	I = 23896	DF, RA	39	257	12	209	59%	14
8	25066	I = 23863	RA, DF	78	153	17	232	58%	3

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 but have no record of pre-commercial or commercial thinning.
- Harvest will occur in the 33 to 50 year old age ranges with older trees being present within or on the edges of the harvest units.

Table 3. Additional Stand Information

Unit	Stand ID	Snags/ Acre[a]	Down Wood/ Acre[b]	Forest Health		
				SNC	Phellinus	Other[c]
1	23889	1	1000	Y		
2	23839	9	32	Y		
2	23858	6	680	Y		
2	23861	24	438	Y		
2	24852	6	25	Y		
3	23803	13	208	Y		
3	23826	15	237	Y		
3	23828	57	80	Y		
3	23835	123	685	Y		
3	23836	22	1210	Y		
3	23839	9	32	Y		
4	23832	1	611	Y		
5	23772	0	633	Y		
6	23813	2	626			
7	23847	0	36			
8	23896	1	544	Y		
8	23901	6	24			
8	24660	1	544	Y		
8	25066	65	159			

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: There is unsurveyed habitat adjacent to all sale units. 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	23889	UDS	GEN	27	27
2	23839	UDS	GEN	2	2
2	23858	UDS	GEN	38	38
2	23861	UDS	LYR	1	1
2	24852	UDS	GEN	11	11
3	23803	CSC	OFS	2	2
3	23826	UDS	GEN	4	4
3	23828	UDS	OFS	5	5
3	23835	UDS	GEN	17	17
3	23836	UDS	GEN	28	28
3	23839	UDS	GEN	4	4
4	23832	UDS	GEN	8	8
5	23772	UDS	GEN	66	0
6	23813	UDS	GEN	227	0
7	23847	UDS	GEN	72	72
8	23896	UDS	GEN	91	0
8	23901	UDS	GEN	9	0
8	24660	UDS	GEN	14	0
8	25066	UDS	GEN	3	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
1	PC	DF, WH	DF, WH	120-160	120-160	30-40
2	PC	DF, WH	DF, WH	120-160	120-160	30-40
3	PC	DF, WH	DF, WH	120-160	120-160	30-40
4	PC	DF, WH	DF, WH	120-160	120-160	30-40
5	PC	DF, WH	DF, WH	120-160	120-160	30-40
6	PC	DF, WH	DF, WH	120-160	120-160	30-40
7	PC	DF, WH	DF, WH	120-160	120-160	30-40
8	PC	DF, WH	DF, WH	120-160	120-160	30-40

- **Prescription Considerations:**
  - The thinning prescription will be developed in collaboration with agency wildlife biologists to create complex stand structure and improve future habitat.
  - Units 1, 2, 3, 4, and 7 are a planned healthy conifer first entry thinning 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 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.
  - Units 5, 6, and 8 is a planned healthy conifer first entry thinning outside of the Habitat Conservation Area. The intent of thinning within these areas is to promote tree growth 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. 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.

Table 6. Reforestation

Unit	Planting Species Mix (%)*	TPA*	Considerations (ex. Elevation, SNC, Aspect, Animal Damage)
1	N/A		
2	N/A		
3	N/A		
4	N/A		
5	N/A		
6	N/A		
7	N/A		
8	N/A		

V. HARVESTING AND ACCESS CONSIDERATIONS:

Table 7. Harvest System and Access Summary

Unit	Harvest System		Slope (%)	Unit Access	Seasonal Access
	% Cable	% Ground			
1	0	100	<35	Simple	Combo
2	0	100	<35	Verified	Combo
3	20	80	<35	Verified	Combo
4	0	100	<35	Established	All Weather
5	40	60	35-65	Simple	All Weather
6	80	20	35-65	Established	Combo
7	80	20	35-65	Established	All Weather
8	60	40	35-65	Verified	Combo

1. Haul Route:

   - Unit 1 – Ebsen Road to Highway 202.
   - Units 2 & 3 – Hamilton Creek Road to Ebsen Road to Highway 202.
   - Unit 4 – Sarajarvie Ridge Road to Ebsen Road to Highway 202.
   - Units 5 & 6 – Sarajarvie Creek Road to Beneke County Road to Highway 202.
   - Unit 7 - Sarajarvie Ridge Road to Beneke County Road to Highway 202.
   - Unit 8 – Beneke County Road to Highway 202.

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.
   - Hamilton Creek, Ebsen, Sarajarvie, and Sarajarvie Ridge Roads were recently improved/maintained with the Ebsen Jarvie Combination timber sale (FY25). Improvements will be minimal.

3. Are easements required for the haul route? ☐ No Yes

   - An approach permit to the Beneke Creek County Road may need to be obtained for road construction into Unit 8.

Table 8. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	1.4	2.1
Improve, Rock, and/or Maintain	0	7.8	4.7	0.5
Vacate	0	0	1.0	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	1(NC)

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.

- A temporary crossing that was previously vacated may be needed to access the South end of Unit 2. This will be removed upon completion of use.
- Access points to Hamilton Creek Road are limited and short spurs will be constructed into Units 2 and 3 where possible to minimize impacts to the existing roads and to avoid the RCA's. These will likely be surfaced due to proximity to streams. They may be blocked upon completion of use.
- Portions of roads in Unit 3 will be rocked to access cable ground and future harvest units. This road may be extended in the future to connect to Tidewater Loop Road. The main road that is not rocked will be built with a crown and ditch and waterbarred and blocked so that it can be re-opened and surfaced in the future if needed. The final location will be determined during sale layout and finalized logging plan.
- A short spur into the northern portion of Area 3 may require construction through the RCA. This is along an old road grade that was recently vacated and can be re-opened with minimal impacts. Alternative locations outside of the RCA will be reviewed during sale layout.
- Portions of the roads in Unit 8 will be rocked to access cable ground and for future land management activities. Additional portions of the road may be built with a crown and ditch and waterbarred and blocked so that it can be re-opened and surfaced in the future if needed. The final location will be determined during sale layout and finalized logging plan. This unit is adjacent to the Jewell Elk refuge and access may be blocked at the Beneke Creek County Road upon completion of activities, or a gate installed.
- An old road grade in several locations along Hamilton Creek will be evaluated for vacating opportunities where accessible with equipment. This may require crossing Hamilton Creek to access the opposite side of the creek.

4. Rock Sources for this operation:
   - Hamilton Creek, Tidewater Loop, and Trailover Stockpiles.
   - Pit-run and Jaw Run are available at the Hamilton Creek Quarry.
   - Crushed rock availability is limited in this area. Rocking for improvements and new road construction will be minimized to support the volume being hauled off of each unit with available quantities of stockpiled rock. Several different rock source locations may be used for road construction, improvements and maintenance.

5. Are property line surveys required for this operation? ☐ No Yes
   - The property line along the eastern boundary of Unit 6 is within the stream buffer. Timber sale boundary tags will be posted to the south and west of the property boundary.
   - The Eastern and Southern boundaries of Unit 8 are along private property and will need to be evaluated for surveying needs. Portions of the boundaries may be posted away from the boundary for thinning operations or surveyed and marked as needed.

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

   - New road construction within an HCA 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 for thinning operations, for future harvest units and land management activities.

   - Road construction within the RCA's are noted in Table 8 bullets.

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:

   - There are three points of diversion shown within proximity to Unit 1. Two are shown near Hamilton Creek and a third is located in an unnamed tributary of Fishhawk Creek with its upper reaches and watershed located within Unit 1. Prior to sale layout, foresters will attempt to locate the points of diversion and contact the landowners if necessary.

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	Y	Y
2	Y	Y
3	Y	Y
4	Y	Y
5	Y	Y
6	Y	Y
7	Y	Y
8	Y	Y

- **Geotech Review:** Initial geotechnical reviews have been completed. Additional consultation with Geotechnical Specialists will be done during sale layout as needed.

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:

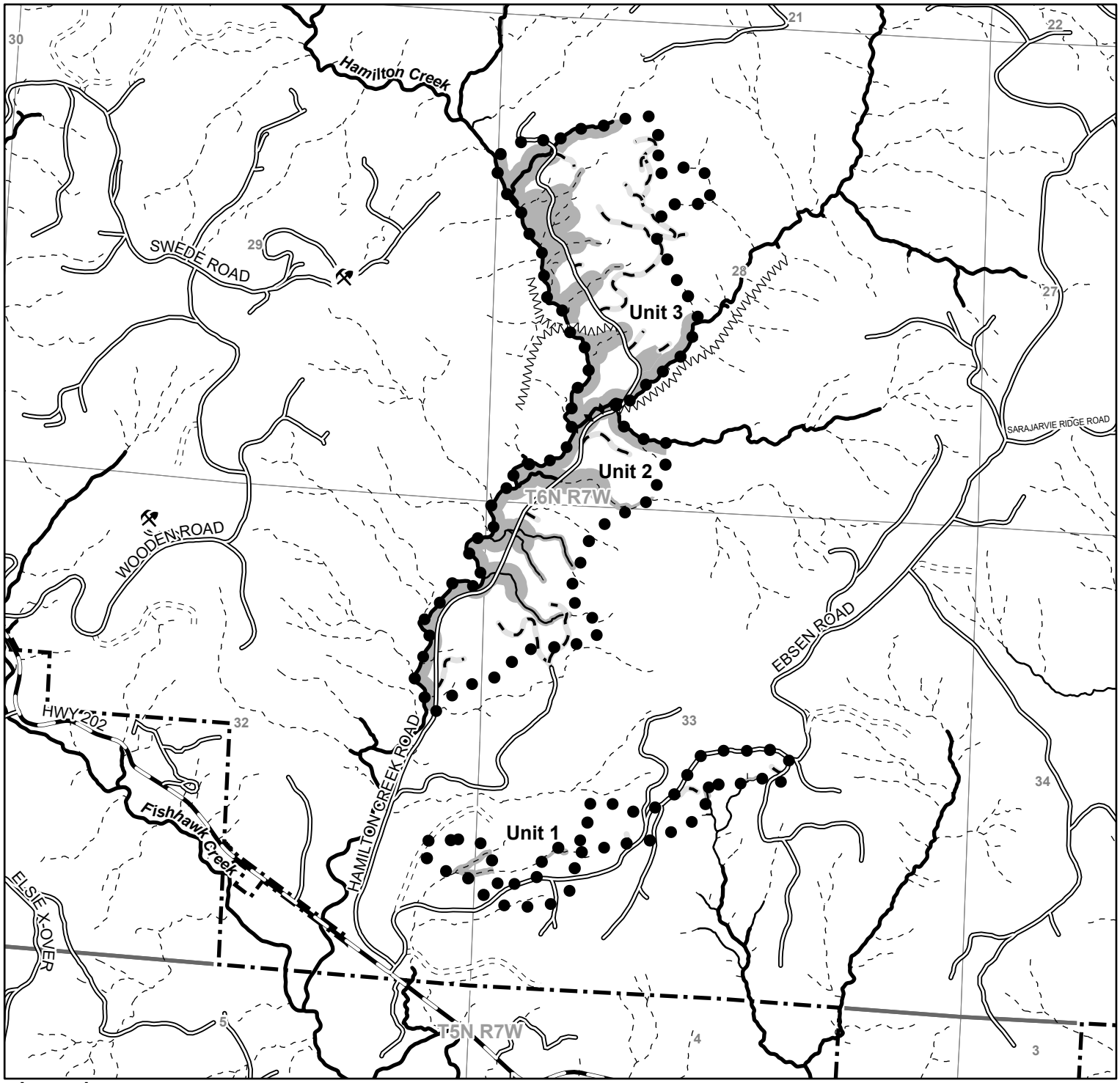
1. Are there scenic resources in the vicinity of this operation that need additional consideration?
   ☒ No ☐ Yes, please describe:

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:

    - The FLMCS layer shows that there is a Progeny Site within Unit 6. Prior to sale layout the marketing unit should coordinate with silviculturist to determine if any protections are required.

2. Are there any other resources present that need additional consideration? ☐ No ☒ Yes, please describe:
    - **Adjacent Landowners (shared property lines):**
        - State, Private Industrial:
            - District staff will work with adjacent landowners to determine what additional outreach is needed during the sale process and if any additional restrictions are needed.
    - **Research Plots:**
        - There is a retired research plot within Unit 3. No protection is needed.



Legend

- Unit Boundary
- Sale Boundary
- No Harvest Area
- Quarry
- New Construction
- Planned Vacating
- Paved Roads
- Surfaced Roads
- Unsurfaced Roads
- Perennial Fish Streams
- Perennial Non-Fish Streams
- Seasonal Streams
- Ownership Boundary

FY 2027 - Astoria District
La Nina
Portions of Sections 14, 23, 24, 25, 26, 27, 28, 29, 32, 33, & 35 T6N, R7W, W.M.
Clatsop County

State Forest Division
02/04/2026

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1:18,000

1,000 500 0 1,000 Feet

Unit 1	29 Acres (PC)
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Unit 4	8 Acres (PC)
Unit 5	67 Acres (PC)
Unit 6	229 Acres (PC)
Unit 7	72 Acres (PC)
Unit 8	117 Acres (PC)
Total	635 Acres

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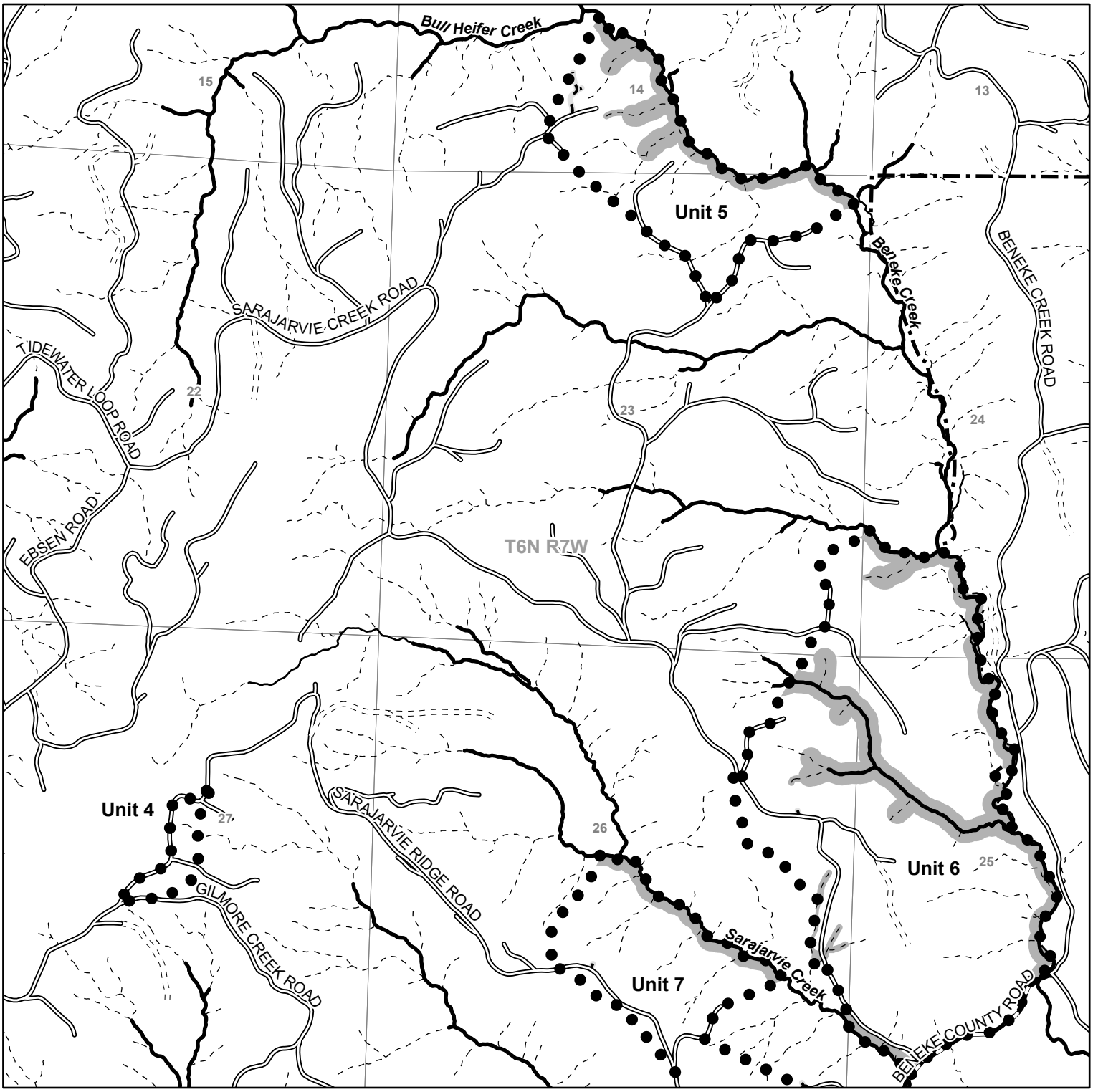

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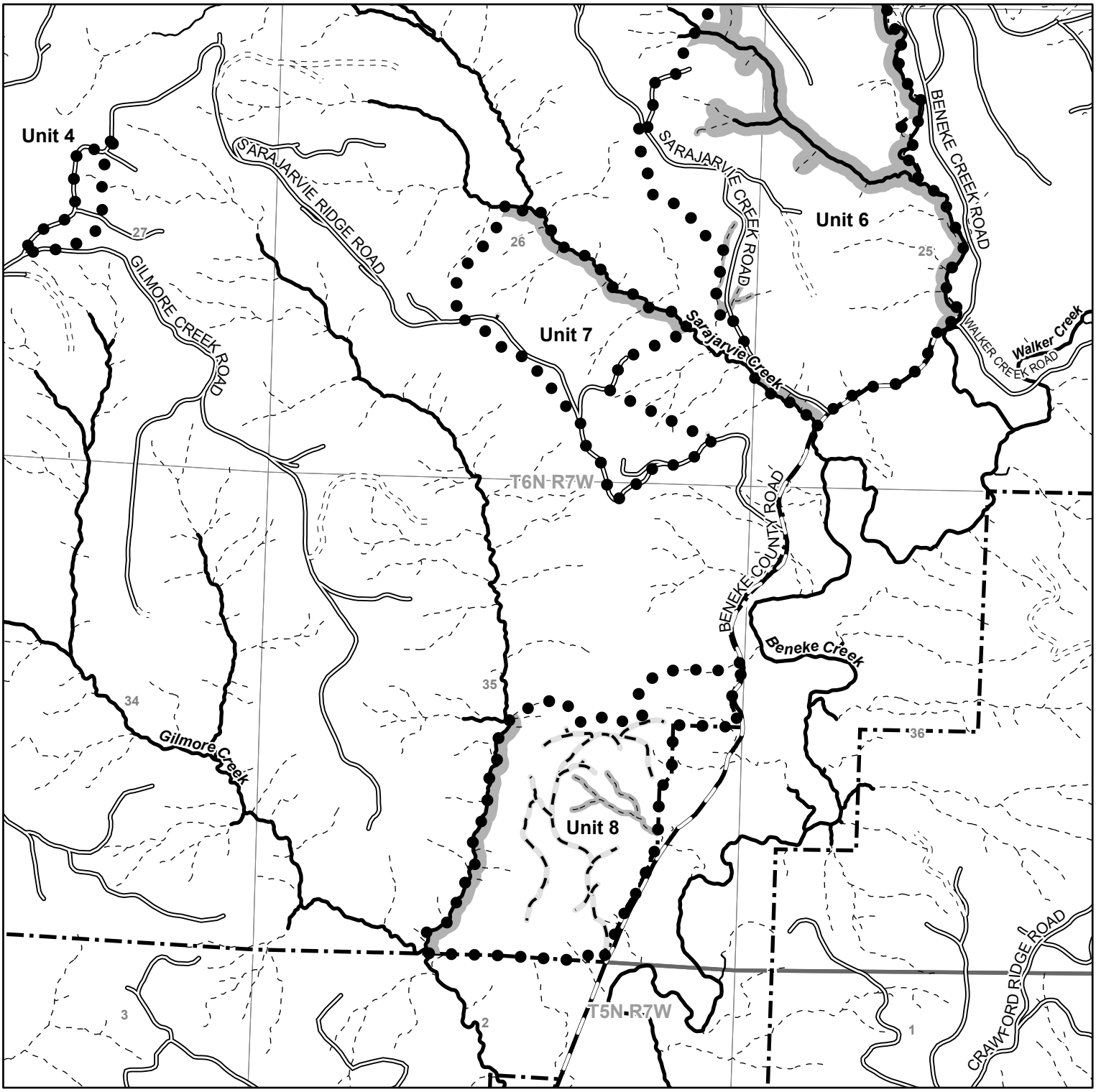

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