Pre-Operations Report

Operation Name: Flat Break
Tax Code(s): 5600, 5601
County (%): Tillamook (100%)
BOF%: 100% **CSL%:** 0%
Elevation: 985 - 2,623 ft
Sale Quarter: 4
Legal Description: T2N R8W, Section(s) 7, 17, 18, 19; T2N R9W, Section(s) 12, 13

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
660	CC	WH-M, DF-M	121	109	29.0	3,161	$360	$1,137,960
690	CC	WH-S, NF-L	123	114	29.0	3,306	$360	$1,190,160
918	CC	DF-S, RA-S	176	115	29.0	3,335	$360	$1,200,600
Total		Regeneration	420	339		9,802		
		Partial Cut	0	0		0		
						Gross Value		$3,528,720
a. Estimated harvest volume per acre for Unit.						Project Costs		$336,940
b. Estimated 'price' (excluding Project Costs)						Net Value		$3,191,780

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]
660	30516	I = 30572	DF,RA	73	221	14	233	62%	15
660	30517	M	WH,DF	73	82	20	176	41%	38
660	30572	I = 34353	DF,RA	73	221	14	233	62%	17
660	30699	I = 34189	DF,NF	83	119	16	166	42%	6
660	31667	I = 30256	WH,DF	73	121	17	188	47%	32
690	30564	I = 30256	WH,DF	73	121	17	188	47%	14
690	30565	I = 30256	WH,DF	73	121	17	188	47%	29
690	30570	I = 35376	WH,SF	70	124	15	155	40%	19
690	30574	M	WH,NF	73	246	14	271	72%	30
690	30575	I = 30574	WH,NF	73	246	14	271	72%	23
918	31268	I = 30689	DF,RA	63	175	13	164	45%	4
918	31269	I = 30697	DF,RA	63	153	14	161	43%	20
918	31270	M	DF,WH	63	394	11	265	78%	19
918	31271	I = 31199	DF,RA	63	209	13	180	50%	10
918	31275	I = 30851	RA,DF	56	161	14	182	48%	4
918	31276	I = 30655	RA,WH	63	163	15	202	52%	17
918	31291	M	DF,RA	63	259	13	223	62%	41

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, and portions of Units 660 and 690 were commercially thinned in 2003. Unit 918 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]
660	30516	33	182	Yes	--	Scotch Broom
660	30517	8	774	Yes	--	Scotch Broom
660	30572	33	182	Yes	--	Scotch Broom
660	30699	4	539	Yes	--	Scotch Broom
660	31667	10	266	Yes	--	Scotch Broom
690	30564	10	266	Yes	--	--
690	30565	10	266	Yes	--	--
690	30570	7	101	Yes	--	--
690	30574	10	209	Yes	--	--
690	30575	10	209	Yes	--	--
918	31268	4	24	Yes	--	--
918	31269	10	71	Yes	--	--
918	31270	12	1152	Yes	--	--
918	31271	7	631	Yes	--	--
918	31275	30	56	Yes	--	--
918	31276	13	154	Yes	--	--
918	31291	6	887	Yes	--	--

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 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 660 & 690. These surveys will expire on 04/01/2032.

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
660	30516	UDS	GEN	15	0
660	30517	LYR	GEN	38	0
660	30572	UDS	GEN	17	0
660	30699	UDS	GEN	6	0
660	31667	UDS	GEN	32	0
690	30564	UDS	GEN	14	0
690	30565	UDS	GEN	29	0
690	30570	CSC	GEN	19	0
690	30574	UDS	GEN	30	0
690	30575	UDS	GEN	23	0
918	31268	UDS	GEN	4	0
918	31269	UDS	GEN	20	0
918	31270	UDS	GEN	19	0
918	31271	UDS	GEN	10	0
918	31275	UDS	GEN	4	0
918	31276	UDS	GEN	17	0
918	31291	UDS	GEN	41	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
All	CC	DF, WH, RA	--	--	--	--

- **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 each unit as part of the retention strategy.

- Wildlife: For Units 660 and 690, prioritize leave trees with platforms where MAMU habitat exists.

Table 6. Reforestation

Unit	Planting Species Mix (%)*	TPA*	Considerations (ex. Elevation, SNC, Aspect, Animal Damage)
660	60 WH / 40 DF	400	North slope will be favorable to WH.
690	60 WH / 40 DF	400	North slope will be favorable to WH.
918	50 DF / 50 WH	400	Will Plant majority DF on South slope and majority WH on North slope. The old slide face may cause challenges with rocky soils.

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

- **Reforestation Considerations:**
  - The primarily North slopes on this sale will be a significant benefit to seedling establishment.
  - Elk Browse is a small concern since this is more harvest than this area has had in a while and the nearby Clam Bake unit had lots of Elk present on it after planting.

V. HARVESTING AND ACCESS CONSIDERATIONS:

Table 7. Harvest System and Access Summary

Unit	Harvest System		Slope (%)	Unit Access	Seasonal Access
	% Cable	% Ground			
660	100	0	41	Simple	All Weather
690	100	0	34	Simple	All Weather
918	100	0	64	Verified	All Weather

1. Haul Route: Post Canyon, Firebreak 3, East Foley Creek Road, Clammer Road, Cook Creek Road
2. Haul Route Condition: East Foley, Firebreak 3, Clammer Road, and Cook Creek are all in good condition and only require a light grading, spot rock, and some minor maintenance. Post Canyon is in fair condition having not had any maintenance for over ten years. Some medium grading, and a heavy loading of spot rock should improve this road for hauling.
3. Are easements required for the haul route? ☐ No ☒ Yes
   - #311.29037 dated December 23, 1958.
   - #311.29053 dated October 10, 1958.

Table 8. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	1.53	0
Improve, Rock, and/or Maintain	0	20.27	0.14	0
Vacate	0	0	0	0

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
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	2 (IE), 2 (NC)	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.

4. Rock Sources for this operation: Firebreak 3 pit. Will require development and will supply stockpiles for future use.

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

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

- New road construction within RCA and 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.

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: Cook Creek/Lower Nehalem River

- Within the designated Aquatic Anchor streams will be buffered in accordance with strategies in the draft Habitat Conservation Plan that prioritize salmonid recovery 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 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: There is potential for a stream enhancement Project in Schroeder Creek (Sale Area 918). Additional desktop and field

reviews shall be conducted to determine the best candidates to focus stream enhancement efforts. The District shall consult with the ODF Aquatic and Riparian Specialist and the local ODFW Habitat Biologist to help determine the feasibility and logistics of the Project during sale layout.

VII. SLOPE STABILITY ISSUES:

Table 9. Summary of Slope Stability Assessment

Unit	Harvest Review Complete	Public Safety Review Complete
660	Y	Y
690	Y	Y
918	Y	Y

- **Geotech Review:** Initial geotechnical reviews have been completed and those findings have been incorporated into No Harvest buffers. 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

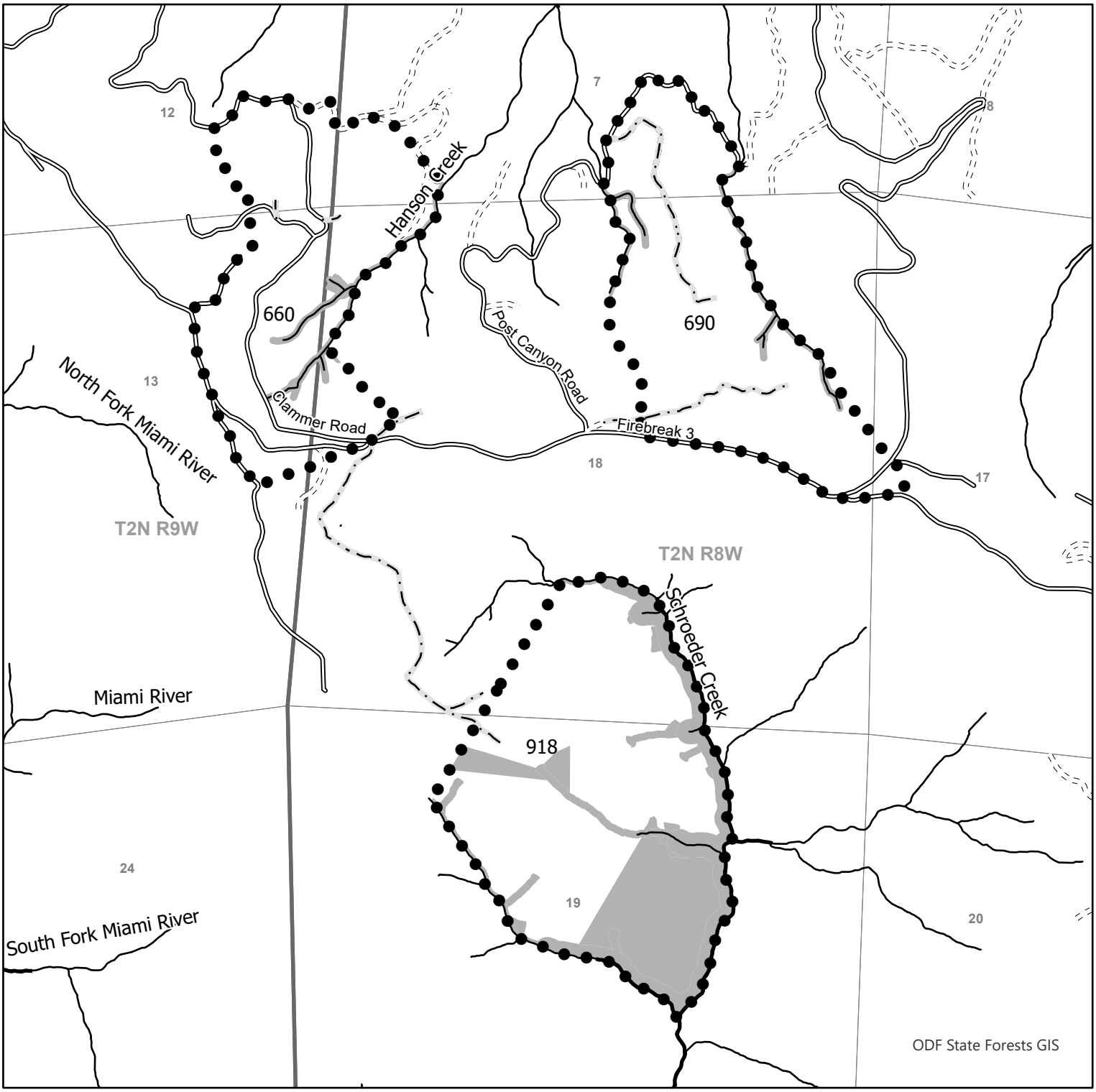
X. SCENIC RESOURCES:

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:
   - A portion of Unit 918 is currently classified as "Operationally Limited."
   - A 1-hectare permanent plot is along the edge of Unit 690.

2. Are there any other resources present that need additional consideration? ☐ No ☒ Yes, please describe:
   - **No Harvest (Other):**
     - Unit 918 – The current shape of the Unit is currently 115 acres. The larger no harvest area within the unit will be further evaluated by district staff during layout for harvest feasibility. If the no harvest area is reduced, then changes will be made to the unit boundary so that the acres of the Unit do not exceed 120 acres. The two smaller no harvest areas to the west are to account for bluffs within the units. These bluffs may likely make harvesting this area more difficult. Foresters should consult ODF Area Biologist if any boundary changes are made.



FY 2027 - Tillamook District
Flat Break
Portions of Section(s) 7, 17, 10, 18, 19, T2N, R8W & 12, 13, T2N, R9W, W.M.
Tillamook County

Legend

- Sale Boundary
- Surfaced
- Unsurfaced
- Ownership Boundary
- Perennial Fish
- Perennial Non-Fish
- New Road Construction
- No Harvest Area
- No Harvest - Existing Road; New Construction

State Forest Division
6/12/2026

This product is for informational use and may not have been prepared for or be suitable for legal, engineering or survey purposes. Variations may exist between and among data sets in use by the Department of Forestry. This map was developed using the Statewide Flow Line layer layer.

Unit 660	109	Acres (CC)
Unit 690	114	Acres (CC)
Unit 918	115	Acres (CC)
Total	339	Acres

1:15,800

1,500 750 0 1,500 Feet

N