Pre-Operations Report

Operation Name: Northern Lights
County (%): Clatsop (100%)
Elevation: 92 – 375 ft
Legal Description: T8N, R6W, Section 5

Tax Code(s): 4-03
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-S, WH-S	95	88	37	3,256	$400	$1,302,400
Total		Regeneration	95	88		3,256		
		Partial Cut						
						Gross Value		$1,302,400
a. Estimated harvest volume per acre for Unit.						Project Costs		$42,000
b. Estimated 'price' (excluding Project Costs)						Net Value		$1,260,400
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	23026	M	DF, RA	44	305	11	212	62%	58
1	23031	M	WH, RA	60	187	14	208	55%	30

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.

- Of the planted stands within this sale the southern third was 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	23026	2	71	Y		
1	23031	11	100	Y		

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:
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	23026	UDS	GEN	58	0
1	23031	LYR	GEN	30	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	CC					

- **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 and minor species as part of the retention strategy.

Table 6. Reforestation

Unit	Planting Species Mix (%)*	TPA*	Considerations (ex. Elevation, SNC, Aspect, Animal Damage)
1	50% DF, 45% WH, 5% WRC	400	Elev. < 1,500'. SNC Zone= No. Anticipated seedling animal damage= mountain beaver, elk, deer.

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

- **Reforestation Considerations:**
  - **Aspect:** North, east, west

- **Elevation:** Plant with low 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:** When planting western red cedar scatter it throughout unit 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	80	20	35-65	Verified	All Weather

1. Haul Route:
   - Clifton Road.
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.
   - Clifton Road will be improved/maintained with a lift of surfacing rock.
3. Are easements required for the haul route? ☐ No ☒ Yes
   - Clifton Road. Easement (#311.04270) dated July 20, 1964, by and between the State of Oregon, Board of Forestry and Martin Nygaard. Current landowner: Bradwood LLC.

Table 8. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0.2	0
Improve, Rock, and/or Maintain	0	1.0	0.4	0
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.
4. Rock Sources for this operation:
   - Hunt Creek Stockpiles.
   - Pit-run and Jaw Run are available at the Hunt Creek Quarry.
5. Are property line surveys required for this operation? ☐ No ☒ Yes
   - The property lines along the northern will likely need to be surveyed and marked.

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:

   - There is a point of diversion site shown in Unit 1, approximately 200 feet south of the northern property line on an unnamed tributary of the Columbia River. Prior to sale layout efforts will be made to identify the point of diversion in the Unit and contact the landowner(s) if found. Layout foresters will consider additional vegetation retention measures upon field review as this site may be located near the channel initiation point.
   - A second point of diversion is shown approximately 200 feet north of the property line and downstream of the Unit on a different unnamed tributary of the Columbia River. This stream drains to the northeast from the Unit. Vegetation retention measures will follow the HCP and stewardship agreement.
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	Yes	Yes

Geotech Review: Initial geotechnical reviews have been completed and those findings have been incorporated into No Harvest buffers. Additional buffering may be needed to ensure wind firmness of a public safety leave area.

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

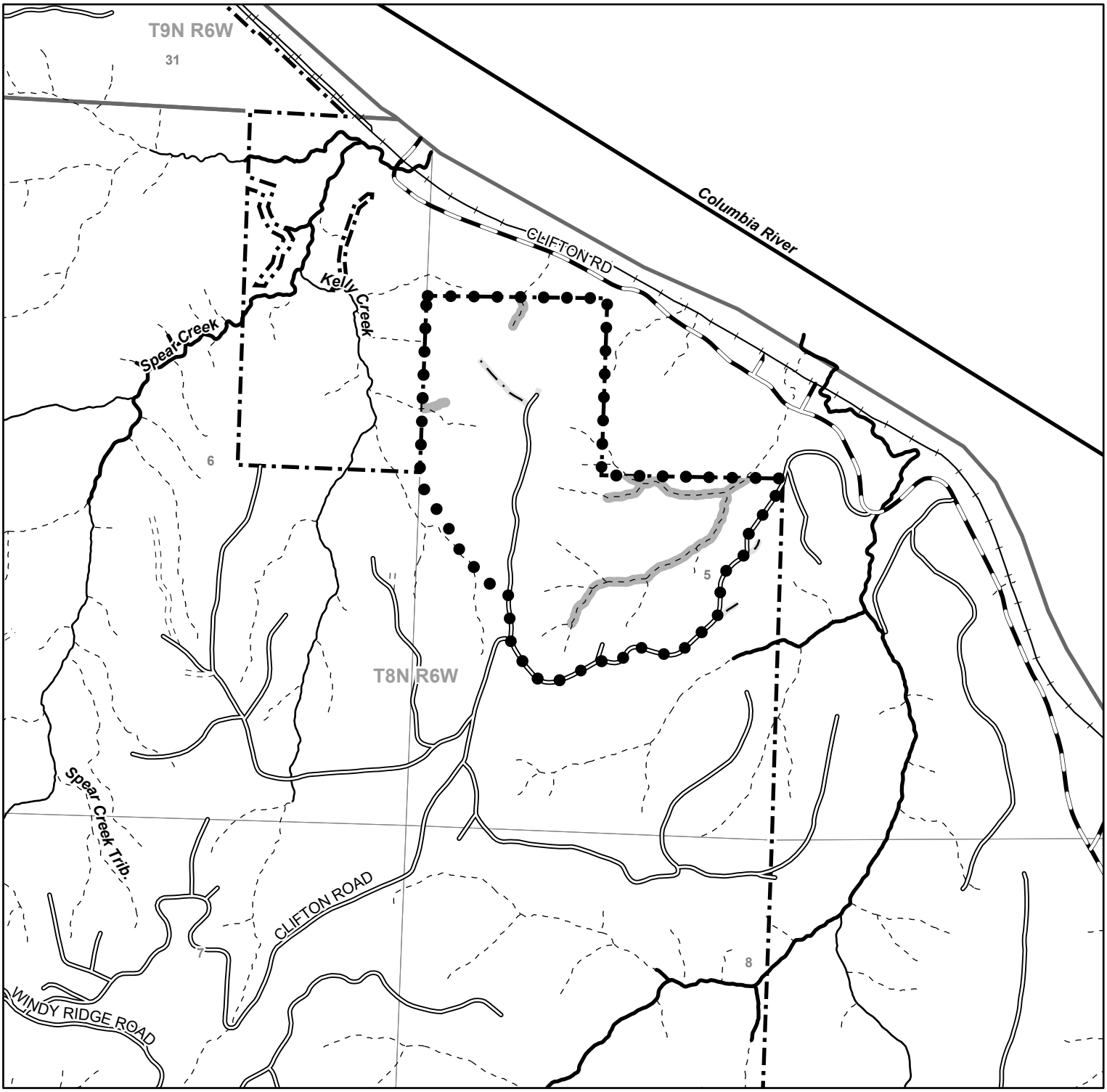
X. SCENIC RESOURCES:

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

2. Are there any other resources present that need additional consideration? ☐ No ☒ Yes, please describe:
   - **Adjacent Private Landowners (shared property lines)**
     - Unit 1 has a shared property line with 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



FY 2027 - Astoria District
Northern Lights
Portions of Section 5, T8N, R6W, W.M.
Clatsop County

88 Acres (CC)

Legend

- Sale Boundary
- Railroads
- New Road Construction
- Paved Roads
- Surfaced Roads
- Unsurfaced Roads
- Perennial Fish Streams
- Perennial Non-Fish Streams
- Seasonal Streams
- Ownership Boundary

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.

1:12,000

1,000 500 0 1,000 Feet

N