STATE FOREST LAND

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:
Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:
This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use “not applicable” or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

Questions in italics are supplemental to Ecology’s standard environmental checklist. They have been added by the DNR to assist in the review of state forest land proposals. Adjacency and landscape/watershed-administrative-unit (WAU) maps for this proposal are available on the DNR internet website at http://www.dnr.wa.gov/sepa. These maps may also be reviewed at the DNR regional office responsible for the proposal. This checklist is to be used for SEPA evaluation of state forest land activities.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:
Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:
For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.
A. BACKGROUND

1. Name of proposed project, if applicable:

   Timber Sale Name: CHARLIE HORSE
   Agreement # 30-089221

2. Name of applicant: Washington Department of Natural Resources

3. Address and phone number of applicant and contact person:

   950 Farman Ave N
   Enumclaw, WA 98022

   Contact: Audrey Mainwaring
   Phone: (360) 825-1631

4. Date checklist prepared: 03/31/2022

5. Agency requesting checklist: Washington Department of Natural Resources

6. Proposed timing or schedule (including phasing, if applicable):
   a. Auction Date:
      10/25/2022
   b. Planned contract end date (but may be extended):
      10/24/2024
   c. Phasing:
      None

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
   ☑ Yes, identify any plans under A-7-a through A-7-d:

   a. Site Preparation: The Variable Retention Harvest (VRH) units will have herbicide applied as needed to ensure establishment of planted seedlings.

   b. Regeneration Method: Hand plant native conifers within three years of harvest in all VRH units to a density that exceeds Forest Practice standards.

   c. Vegetation Management: The VRH units will have vegetation management needs assessed from plantation ages two to eight. Vegetation control activities will be scheduled as needed, this includes hand-slashing of competing hardwoods and shrubs.
d. Other:
Thinning: Needs will be assessed. Generally, pre-commercial thinning is considered at approximately 8-15 years following planting. Pre-commercial thinning, if needed, will be performed to retain a healthy, vigorous stand of native conifers in all VRH units.

Road maintenance assessments will be conducted and may include periodic ditch and culvert cleanout, and grading as necessary.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. Note: All documents are available upon request at the DNR Region Office.
- 303 (d) – listed water body in WAU: Unnamed Creek (Tributary to Tolt River, North Fork); Tolt River; Snoqualmie River; Tuck Creek; Cherry Creek; Unnamed Creek (Tributary to Cherry Creek)
  - □ temp
  - □ sediment
  - ☒ completed TMDL (total maximum daily load)
- □ Landscape plan:
- □ Watershed analysis: Tolt River Watershed Analysis, approved 1993
- □ Interdisciplinary team (ID Team) report: ICN 22-6624037
- □ Road design plan: Road Plan, dated 4/01/2022
- □ Wildlife report:
- □ Geotechnical report:
- ☒ Other specialist report(s): Geologic Field Summary for the Charlie Horse Timber Harvest by Susie Wisehart, dated 4/5/2022; and Cultural Resources Site Records submitted by DNR Archaeologist on 7/5/2022.
- □ Memorandum of understanding (sportsmen’s groups, neighborhood associations, tribes, etc.):
- □ Rock pit plan: See Road Plan, dated 4/01/2022
- ☒ Other:
  - -Forest Resource Inventory System
  - -GIS Analysis
  - -WA Department of Natural Resources Special Concerns Report through the Land Resource Management System
  - -Remote reviews and communications by State Lands Licensed Engineering Geologist, Biologist, and Archaeologist
  - -Field reviews by State Lands Licensed Engineering Geologist, Biologist, and Archaeologist

Referenced documents may be obtained at the region office responsible for this proposal.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.
None known.

10. List any government approvals or permits that will be needed for your proposal, if known.
- ☒ FPA # 2423023
- ☒ FPHP
- ☒ Board of Natural Resources Approval
- ☒ Burning permit
- □ Shoreline permit
- □ Existing HPA
11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

a. **Complete proposal description:**

Charlie Horse Timber Sale consists of three variable retention harvest (VRH) units and two right-of-way (ROW) units, removing approximately 5,492 MBF of merchantable timber on lands managed by the Washington State Department of Natural Resources within the Markworth State Forest. Over 240 acres were originally considered for harvest that was reduced to approximately 103 net harvest acres for protection of streams, wetlands, inoperable areas, and potentially unstable slopes. This proposal is located in the Tolt Watershed Administrative Unit (WAU) and Lower Snoqualmie Valley/Cherry Creek WAU on mostly rolling ground and west-facing slopes.

Each unit net acreage is as follows:

- Unit 1 – 57 acres
- Unit 2 – 40 acres
- Unit 3 – 6 acres
- Unit 4 (right-of-way) – 0.6 acres
- Unit 5 (right-of-way) – 0.2 acres

b. **Describe the stand of timber pre-harvest (include major timber species and origin date), type of harvest and overall unit objectives.**

*Pre-harvest Stand Description:* This proposal is second-growth natural regenerated conifer stands. The stand age dates post-1920 based on previous cutting maps produced by Cherry Valley Logging Company (dated 1921). The proposal area contains site class II ground with a base age of 50-year Douglas fir site index of 120. The elevation of the proposal ranges from 1080-1600 feet. The ground cover consists mostly of sword fern, salal, and Oregon grape. The overall stand overstory is composed of Douglas fir, western...
hemlock, and western redcedar with very sparse components of red alder and bigleaf maple.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Origin Date</th>
<th>Major Timber Species</th>
<th>Type of Harvest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 1</td>
<td>Post-1920</td>
<td>Douglas-fir, western hemlock, western redcedar</td>
<td>Variable Retention Harvest</td>
</tr>
<tr>
<td>Unit 2</td>
<td>Post-1920</td>
<td>Douglas-fir, western hemlock, western redcedar</td>
<td>Variable Retention Harvest</td>
</tr>
<tr>
<td>Unit 3</td>
<td>Post-1920</td>
<td>Douglas-fir, western hemlock, western redcedar</td>
<td>Variable Retention Harvest</td>
</tr>
<tr>
<td>Unit 4</td>
<td>Post-1920</td>
<td>Douglas-fir, western hemlock, western redcedar</td>
<td>Right-of-Way</td>
</tr>
<tr>
<td>Unit 5</td>
<td>Post-1920</td>
<td>Douglas-fir, western hemlock, western redcedar</td>
<td>Right-of-Way</td>
</tr>
</tbody>
</table>

Origin date has been determined from review of historical maps created by the Cherry Valley Logging Company circa 1921.

Overall Unit Objectives:

**Short Term Objectives**
1) Create revenue for the Normal School and State Forest Transfer trusts through the harvest of the existing stand.
2) Retain legacy trees for the future stand and maintaining biological diversity, maintain the productivity of the site, and protect water quality, fish, and wildlife habitat.

**Long Term Objectives**
1) Timber Stand Improvement: a series of silvicultural activities will be scheduled as needed as the new stand develops. The primary objective of each treatment will be to stimulate wood production and create revenue for the trusts.
2) Resource Protection: the protection of soil productivity and water quality will remain priorities. The harvest prescription has been crafted to prevent soil erosion and limit soil compaction. Large coarse woody debris will be left to contribute to site productivity.
c. Describe planned road activity. Include information on any rock pits that will be used in this proposal. See associated forest practice application (FPA) for maps and more details.

<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>How Many</th>
<th>Length (feet) (Estimated)</th>
<th>Acres (Estimated)</th>
<th>Fish Barrier Removals (#)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td></td>
<td></td>
<td>5894</td>
<td>1.8</td>
</tr>
<tr>
<td>Reconstruction</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintenance</td>
<td></td>
<td></td>
<td>51915</td>
<td></td>
</tr>
<tr>
<td>Abandonment</td>
<td></td>
<td></td>
<td>266</td>
<td>0.1</td>
</tr>
<tr>
<td>Bridge Install/Replace</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stream Culvert Install/Replace (fish)</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stream Culvert Install/Replace (no fish)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cross-Drain Install/Replace</td>
<td>25</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Routine maintenance will occur on roads used throughout the life of this proposal.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist (See “WAU Map(s)” and “Timber Harvest Unit Adjacency Map(s)” as referenced on the DNR website: [http://www.dnr.wa.gov/sepa](http://www.dnr.wa.gov/sepa). Click on the DNR region of this proposal under the Topic “Current SEPA Project Actions - Timber Sales.” Proposal documents also available for review at the DNR Region Office.)

a. Legal description: **T26-0N R8-0E S06, T26-0N R8-0E S05, T26-0N R8-0E S08**

b. Distance and direction from nearest town: **The town of Duvall is approximately 8 miles directly west of the proposal area and Carnation is approximately 9 miles directly southwest of the proposal area. Carnation is approximately 17 miles by road southwest of the proposal.**

13. Cumulative Effects

a. Briefly describe any known environmental concerns that exist regarding elements of the environment in the associated WAU(s). (See WAC 197-11-444 for what is considered an element of the environment). **The Tolt WAU and Lower Snoqualmie River/Cherry Creek WAU includes potentially unstable slopes, surface erosion, peak flow impacts, and cultural resources.**

b. Briefly describe existing plans and programs (i.e. the HCP, DNR landscape plans, retention tree plans) and current forest practice rules that provide/require mitigation to protect against potential impacts to environmental concerns listed in question A-13-a. **The Department of Natural Resources has a Habitat Conservation Plan (HCP) with the US Fish and Wildlife Service and the National Marine Fisheries Service. The applicable HCP strategies incorporated into this proposal include:**
   - Retaining Riparian Management Zones (RMZs) to protect water quality, stream bank integrity, stream temperatures, and provide downed woody debris.
· Wetland Management Zones (WMZs) will protect water quality, sensitive wetland soils, and maintain hydrologic function and natural water flow.
· Retaining a minimum of 8 trees per acre (greater than 10 inches in diameter at breast height) clumped and scattered throughout the units. This strategy will provide legacy elements within the new plantation and retains very large diameter, structurally unique trees.

Agency policies and guidelines from the Policy for Sustainable Forests incorporated into this proposal include:
· Assessing for and protecting significant historic, archaeological, and cultural areas.
· Generally limiting harvest units to a maximum of 100 acres.

Development of older forests is an expected outcome of the 1997 Trust Lands Habitat Conservation Plan (HCP), and a policy objective stated in DNR’s Policy for Sustainable Forests. Landscape assessments made in May 2021, demonstrate that through implementation of the HCP and other Policies and laws, older forest targets will be met in conservation areas over time. These conservation areas include identified long-term forest cover under the marbled murrelet long-term conservation strategy, riparian areas, areas conserved under the multispecies conservation strategy, potentially unstable slopes, spotted owl nest patches, and spotted owl habitat that must be maintained to comply with the northern spotted owl conservation strategy (within NRF and South Puget Planning Unit dispersal management areas).
· The North Puget HCP Planning Unit will meet at least 10% older forest within conservation areas by 2070.

Current Forest Practice Rules also require that:
· Potentially unstable slopes and landforms are evaluated and rule-identified landforms with the potential for delivery to public resources are excluded from the sale area.
· Best management practices for road construction and maintenance is implemented to prevent sediment delivery to typed waters and avoid improper drainage patterns that may create slope failures.
· After harvest, tree seedlings will be planted to reforest the site and may be complemented by the natural regeneration that is expected to occur.

b. Briefly describe any specific mitigation measures proposed, in addition to the mitigation provided by plans and programs listed under question A-13-b.
One bedrock hollow and the toe-slope >65% of a relict deep-seated landslide were bounded out of the sale. One dormant indistinct to relict glacial deep-seated landslide and its groundwater recharge area is bounded out of the sale.

d. Based on the answers in questions A-13-a through A-13-c, is it likely potential impacts from this proposal could contribute to any environmental concerns listed in question A-13-a?
No.

e. Complete the table below with the reasonably foreseeable future activities within the associated WAU(s) (add more lines as needed). Future is generally defined as occurring within the next 7
years. This data was obtained from DNR’s Land Resource Manager System on the date of processing this checklist and may be subject to change.

<table>
<thead>
<tr>
<th>WAU Name</th>
<th>Total WAU Acres</th>
<th>DNR-managed WAU Acres</th>
<th>Acres of DNR proposed even-aged harvest in the future</th>
<th>Acres of DNR proposed uneven-aged harvest in the future</th>
<th>Acres of proposed harvest on non-DNR-managed lands currently under active FP permits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOWER SNOQUALMIE RIVER/CHERRY CREEK</td>
<td>35816</td>
<td>6376</td>
<td>517</td>
<td>76</td>
<td>562</td>
</tr>
<tr>
<td>TOLT</td>
<td>63743</td>
<td>5835</td>
<td>407</td>
<td>4</td>
<td>2535</td>
</tr>
</tbody>
</table>

Other management activities, such as stand and road maintenance, will likely occur within the associated WAU(s).

B. ENVIRONMENTAL ELEMENTS

1. Earth

   a. General description of the site (check one):
      - ☐ Flat, ☐ Rolling, ☐ Hilly, ☐ Steep Slopes, ☐ Mountainous, ☒ Other: Rolling-steep slopes

   1. General description of the associated WAU(s) or sub-basin(s) within the proposal (landforms, climate, elevations, and forest vegetation zone).

      | WAU: LOWER SNOQUALMIE RIVER/CHERRY CREEK |
      |------------------------------------------|
      | WAU Acres: 35816                         |
      | Elevation Range: 9 - 2765 ft.            |
      | Mean Elevation: 514 ft.                  |
      | Average Precipitation: 49 in./year       |
      | Primary Forest Vegetation Zone: Western Hemlock |

      | WAU: TOLT                                |
      |------------------------------------------|
      | WAU Acres: 63743                         |
      | Elevation Range: 45 - 5973 ft.           |
      | Mean Elevation: 2041 ft.                 |
      | Average Precipitation: 83 in./year       |
      | Primary Forest Vegetation Zone: Western Hemlock |

2. Identify any difference between the proposal location and the general description of the WAU or sub-basin(s).
This proposal is a representative example of the WAUs at the same elevation and aspect.

b. What is the steepest slope on the site (approximate percent slope)?
   116%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

   Note: The following table is created from state soil survey data. It is an overview of general soils information for the soils found in the sale area. The actual soil conditions in the sale area may vary considerably based on land-form shapes, presence of erosive situations, and other factors.

<table>
<thead>
<tr>
<th>State Soil Survey #</th>
<th>Soil Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>6824</td>
<td>GRAVELLY LOAM</td>
</tr>
<tr>
<td>6825</td>
<td>GRAVELLY LOAM</td>
</tr>
<tr>
<td>5616</td>
<td>GRAVELLY LOAM</td>
</tr>
<tr>
<td>5612</td>
<td>GRAVELLY LOAM</td>
</tr>
<tr>
<td>5613</td>
<td>GRAVELLY LOAM</td>
</tr>
</tbody>
</table>

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

☐ No, go to question B-1-e.
☒ Yes, briefly describe potentially unstable slopes or landforms in or around the area of the proposal site. For further information, see question A-8 for related slope stability documents and question A-10 for the FPA number(s) associated with this proposal.

Dormant-indistinct to relict, glacial deep-seated landslide and associated groundwater recharge area south of VRH Unit 3. A bedrock hollow and toe-slope >65% of a relict deep-seated landslide outside of VRH Unit 2.

1) Does the proposal include any management activities proposed on potentially unstable slopes or landforms?

☒ No  ☐ Yes, describe the proposed activities:

2) Describe any slope stability protection measures (including sale boundary location, road, and harvest system decisions) incorporated into this proposal.

The areas of the deep-seated landslide and its associated groundwater recharge area, as well as the bedrock hollow and toe-slope >65% were bounded out of the proposal area. More information can be found in the Geologic Field Summary for the Charlie Horse Timber Harvest by Susie Wischart, attached to FPA Appendix D.
e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

*Approx. acreage new roads:* 1.8 acres  
*Approx. acreage new landings:* 1.8 acres  
*Fill Source:* Drunken Charlie Pit, 7500 Pit

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Yes. Some erosion could occur as a result of building new roads, installing culverts, and hauling timber.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *Approximate percent of proposal in permanent road running surface (includes gravel roads):*

Approximately 2.5% of the site will remain as gravel roads.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

(Include protection measures for minimizing compaction or rutting.)

Timber haul, road construction, and rock haul will not be permitted from November 1 to April 30, unless authority to do so is granted, in writing, by the Contract Administrator. If permission is granted to operate between November 1 and April 30, the Purchaser may be required to provide further protection of water, soil, roads, and other forest assets as described in the contract and road plan. Falling, yarding, and timber haul will be suspended during periods of wet weather, if in the opinion of the Contract Administrator the operation poses a threat to public resources. Ground-based equipment operating will be limited to track mounted machines to reduce compaction. The proposal is located on stable ground and will have little or no effect on water quality due to seasonal restrictions and harvest equipment restrictions and limitations.

Regular road maintenance will also help limit erosion. Roads remaining active after the forest practice will be on a regular maintenance schedule including but not limited to reshaping and culvert and ditch maintenance to insure proper water flow and redistribution to the forest floor. When installing culvert at live stream location, water bypasses will be established when water is present that pump clean water at established catch basins around the work site and back into stream. Water containing sediment will be pumped away from site and onto forest floor. The residual leave trees and vegetation following harvest will prevent erosion related to runoff. Gate 1001 will be closed year-round (excluding during hauling activities) to reduce road maintenance and prevent erosion damage.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.
Minor amounts of engine exhaust from logging and road construction equipment and dust from vehicle traffic on roads will be emitted during proposed activities. If landing debris is burned after harvest is completed, smoke will be generated. There will be no emissions once the proposal is complete.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None known.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

If landing debris is burned, it will be in accordance with Washington State’s Smoke Management Plan. A burn permit will be obtained before burning occurs.

3. Water

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. (See “WAU Map(s)” and “Timber Harvest Unit Adjacency Map(s)” as referenced on the DNR website: [http://www.dnr.wa.gov/sepa](http://www.dnr.wa.gov/sepa). Click on the DNR region of this proposal under the Topic “Current SEPA Project Actions - Timber Sales.” Proposal documents also available for review at the DNR Region Office.)

☐ No  ☒ Yes, describe in 3-a-1-a through 3-a-1-c below

a. Downstream water bodies:

All streams associated with this sale eventually flow into the Tolt and Snoqualmie Rivers. The Tolt River flows into the Snoqualmie River near the town of Carnation. The Snoqualmie meets up with the Skykomish River outside of the town of Monroe to form the Snohomish River, which flows into Puget Sound.
b. Complete the following riparian & wetland management zone table:

<table>
<thead>
<tr>
<th>Wetland, Stream, Lake, Pond, or Saltwater Name (if any)</th>
<th>Water Type</th>
<th>Number (how many?)</th>
<th>Avg RMZ/WMZ Width in feet (per side for streams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cherry Creek Stream</td>
<td>3</td>
<td>1</td>
<td>172’ RMZ</td>
</tr>
<tr>
<td>Wetland &gt;1.00</td>
<td>Non-forested</td>
<td>1</td>
<td>172’ WMZ</td>
</tr>
<tr>
<td>Wetland &lt;1.00 acre and &gt;0.25 acre</td>
<td>Non-forested</td>
<td>3</td>
<td>100’ WMZ</td>
</tr>
<tr>
<td>Drunken Charlie Lake</td>
<td>3</td>
<td>1</td>
<td>172’ RMZ</td>
</tr>
</tbody>
</table>

c. List any additional RMZ/WMZ protection measures including silvicultural prescriptions, road-related RMZ/WMZ protection measures and wind buffers.

Type 5 streams are protected with 30’ Equipment Limitation Zones, however all Type 5 streams have been bounded out of the proposal area. One wetland less than 0.25 acres is bounded out of the sale. Protection measures for the Type 4 stream next to the new road construction will include graveling the road through the area, placing a berm in the road to protect the stream, and placing a cross-drain downslope of the stream to divert surface water away.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

☐ No
☒ Yes (See RMZ/WMZ table above and timber sale maps which are available on the DNR website: [http://www.dnr.wa.gov/sepa](http://www.dnr.wa.gov/sepa). Timber sale maps are also available at the DNR region office.)

Description (include culverts):

Harvest will occur within 200 feet of streams, up to the buffer distances listed above. There is one ROW unit through the RMZ of a Type 4 stream. There is one culvert replacement for a Type 3 stream, two culvert replacements for Type 4 streams, and one culvert replacement for a Type 5 stream.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. (Include diversions for fish-passage culvert installation.)
☐ No ☒ Yes, description:
For stream culvert replacement, when water is present, surface water diversion will be necessary to reduce the risk of sediment delivery.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

☐ No ☒ Yes, describe activity and location: Culvert installations at 1000 Rd. 89+94 and 5200 Rd. 96+25, 122+30, and 134+50.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

It is not likely that any waste materials will be discharged into the surface water(s). However, minor amounts of oil, fuel, and other lubricants may inadvertently be discharged to the adjacent surface water(s) as a result of heavy equipment use or mechanical failure. No lubricants will be disposed of on-site.

7) Is there a potential for eroded material to enter surface water as a result of the proposal considering the protection measures incorporated into the proposal’s design?

☐ No ☒ Yes, describe:
Soils and terrain susceptible to surface erosion are generally located on slopes steeper than 70%. The potential for eroded material to enter surface water is minimized due to the erosion control measures and operational procedures outlined in B-1-h.

8) What are the approximate road miles per square mile in the associated WAU(s)?

LOWER SNOQUALMIE RIVER/CHERRY CREEK = 4.7 (mi./sq. mi.), TOLT = 4.3 (mi./sq. mi.)

9) Are there forest roads or ditches within the associated WAU(s) that deliver surface water to streams, rather than back to the forest floor?

☐ No ☒ Yes, describe:

It is likely some roads or road ditches within the WAUs intercept sub-surface flow and deliver surface water to streams, however current road construction, reconstruction, and/or maintenance standards will be applied that address this issue by installing cross-drains to deliver ditch water to stable forest floors.

10) Is there evidence of changes to channels associated with peak flows in the proposal area (accelerated aggradations, surface erosion, mass wasting, decrease in large organic debris (LOD), change in channel dimensions)?

☐ No ☒ Yes, describe observations:

There is evidence of changes to channels across the WAU(s). These changes are a result of natural events such as spring runoff from snowmelt and significant storm
events. Channel migration, scouring, and deposition of material can be seen in channels across the WAU(s); this indicates those channels historically experience higher water levels and peak flows

11) Describe any anticipated contributions to peak flows resulting from this proposal’s activities which could impact areas downstream or downslope of the proposal area.

It is not likely the proposed activity will change the timing, duration, or volume of water during a peak flow event. This proposal limits harvest unit size and proximity to other recent harvests, minimizes the extent of the road network, incorporates road drainage disconnected from stream networks, and implements wide riparian buffers which all have mitigating effects on the potential for this proposal to increase peak flows that could impact areas downstream or downslope of the proposal area.

12) Is there a water resource (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or downslope of the proposed activity?

☒ No ☐ Yes, describe the water resource(s):

a. Is it likely a water resource or an area of slope instability listed in B-3-12 (above) will be affected by changes in amounts, quality or movements of surface water as a result of this proposal?

☒ No ☐ Yes, describe possible impacts:

13) Describe any protection measures, in addition to those required by other existing plans and programs (i.e. the HCP, DNR landscape plans) and current forest practice rules included in this proposal that mitigate potential negative effects on water quality and peak flow impacts.

Timber haul, road construction, and rock haul will not be permitted from November 1 to April 30, unless authority to do so is granted, in writing, by the Contract Administrator.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

2) No water will be withdrawn or discharged.

3) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or
humans the system(s) are expected to serve. Minor amounts of oil, fuel, and other lubricants may inadvertently be discharged to the ground as a result of heavy equipment use or mechanical failure. No lubricants will be disposed of on-site. All spills are required to be contained and cleaned-up. This proposal is expected to have no impact on ground water.

4) Is there a water resource use (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or downslope of the proposed activity?

☒ No ☐ Yes, describe:

a. Is it likely a water resource or an area of slope instability listed in B-3-b-3 (above) could be affected by changes in amounts, timing, or movements of groundwater as a result this proposal?

☒ No ☐ Yes, describe possible impacts:

Note protection measures, if any:

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Water runoff, including storm water, from road surfaces will be collected by roadside ditches and diverted onto the forest floor via ditch-outs and cross drain culverts.

2) Could waste materials enter ground or surface waters? If so, generally describe.

☐ No ☒ Yes, describe:

3) Waste materials, such as sediment or slash, may enter surface water.

Note protection measures, if any:

Proper materials for spill cleanup as a result of equipment operation will be required to be on site if an accidental discharge should occur. No lubricants or chemicals will be disposed of on site. In addition, RMZ/WMZ buffers will add protection to surface waters.

Upon completion of harvest operations, water bars, if needed, will be constructed on the skid trails to control runoff. The remaining trees, vegetation, and topography will prevent surface water runoff. Water will be absorbed through the forest floor. The proposal will also be reforested with native conifer seedlings which will lessen impacts of excessive runoff into streams and wetlands.
4) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

**No changes to drainage patterns are expected.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

*See surface water, ground water, and water runoff sections above, questions B-3-a-1-c, B-3-a-13, B-3-b-3, and B-3-c-2.*

4. Plants

a. Check the types of vegetation found on the site:
   ☒ Deciduous tree:
   ☐ Alder ☐ Aspen ☐ *Birch* ☐ *Cottonwood* ☐ Maple ☐ *Western Larch*
   ☐ Other:
   ☒ Evergreen tree:
   ☐ *Douglas-Fir* ☐ Engelmann Spruce ☐ *Grand Fir* ☐ Lodgepole Pine
   ☐ Mountain Hemlock ☐ Noble Fir ☐ Pacific Silver Fir ☐ Ponderosa Pine
   ☐ Sitka Spruce ☐ *Western Hemlock* ☐ *Western Redcedar* ☐ Yellow Cedar
   ☐ Other:
   ☒ Shrubs:
   ☐ *Huckleberry* ☐ *Rhododendron* ☐ *Salmonberry* ☐ *Salal*
   ☒ Other: *Oregon grape*
   ☐ *Ferns*
   ☐ Grass
   ☐ Pasture
   ☐ Crop or Grain
     ☐ *Orchards* ☐ *Vineyard* ☐ Other Permanent Crops
   ☒ Wet Soil Plants:
     ☐ Bullrush ☐ Buttercup ☐ Cattail ☐ *Devil’s Club* ☐ Skunk Cabbage
     ☐ Other:
   ☐ Water plants:
     ☐ Eelgrass ☐ Milfoil ☐ Water Lily
     ☐ Other:
   ☐ Other types of vegetation:
   ☐ *Plant communities of concern:*

b. What kind and amount of vegetation will be removed or altered? *(Also see answers to questions A-11-a, A-11-b and B-3-a-2).*

1) *Describe the species, age, and structural diversity of the timber types immediately adjacent to the removal area. (See “WAU Map(s)” and “Timber Harvest Unit Adjacency Map(s)” on the DNR website: [http://www.dnr.wa.gov/sepa](http://www.dnr.wa.gov/sepa). Click on the*
DNR region of this proposal under the Topic “Current SEPA Project Actions - Timber Sales.” Proposal documents also available for review at the DNR Region Office.

To the north of the proposal area is a mixed conifer stand with an origin year of 2009.

To the southeast of the proposal area is a mixed conifer stand with an origin year of 1988.

To the southwest of the proposal area is a mixed conifer stand with an origin year of 1997.

c. List threatened and endangered plant species known to be on or near the site.

None found in corporate database.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The VRH units will be replanted with native conifer species. Leave tree clumps were selected to protect areas that hold unique ecological values and also provide an accurate representation of pre-harvest stand conditions. There are also individually marked trees retained throughout the proposal area. Leave trees were selected from the largest diameter class and dominant crown class as well as for wind firmness, good form, species diversity, wildlife value and protection of existing snags. A total of 8 trees per acre will be retained after harvest arranged in both clumps and individual trees dispersed throughout the units.

e. List all noxious weeds and invasive species known to be on or near the site.

Himalayan blackberry, evergreen blackberry, and holly were observed onsite. For a complete list of noxious weeds in King County please visit the website below.

http://www.kingcounty.gov/environment/animalsAndPlants/noxious-weeds/laws/list.aspx

5. Animals

a. List any birds and other animals or unique habitats which have been observed on or near the site or are known to be on or near the site. Examples include:

birds:
☒ eagle ☒ hawk ☐ heron ☒ owls ☒ songbirds
☐ other:
mammals:
☒ bear ☒ beaver ☒ coyote ☒ cougar ☒ deer ☐ elk
☒ other: bobcat
fish:
☐ bass ☐ herring ☐ salmon ☐ shellfish ☒ trout
☐ other:

amphibians/reptiles:
☒ frog ☐ lizard ☒ salamander ☒ snake ☒ turtle
☐ other:

unique habitats:
☐ bals ☐ caves ☐ cliffs ☐ mineral springs ☐ oak woodlands ☐ talus slopes
☐ other:

b. List any threatened and endangered species known to be on or near the site (include federal- and state-listed species).

None found in corporate database.

c. Is the site part of a migration route? If so, explain.
☒ Pacific flyway ☐ Other migration route:
Explain:

All of Washington State is considered part of the Pacific Flyway. No impacts are anticipated as a result of this proposal. No waterfowl have been witnessed onsite. It is likely that some birds use adjacent marshes, ponds, and lakes as a stopping-over point.

d. Proposed measures to preserve or enhance wildlife, if any:

This proposal is compliant with the HCP Long-term Conservation Strategy Marbled Murrelet, per PR 14-004-320.

This sale is not located in any Owl Areas or in a landscape managed for Nesting, Roosting, Foraging, or Dispersal Management, and does not meet Young Forest Marginal habitat criteria. This proposal is available for the full range of silvicultural activities permitted under the Habitat Conservation Plan in compliance with PR 14-004-120.

One fish stream culvert replacement will restore and enhance wildlife habitat.

e. 1) Note existing or proposed protection measures, if any, for the complete proposal described in question A-11.

Species /Habitat: Aquatic Habitat
Protection Measures: HCP RMZs and WMZs. This timber sale proposal conforms to commitments under the 1997 DNR Habitat Conservation Plan (HCP). The HCP includes a number of strategies to enhance and preserve wildlife over time. Specific to this proposal is the riparian strategy to conserve and protect habitat for species that are dependent on aquatic and riparian habitat and quality leave tree retention, which may provide critical elements for upland species and preserve long term site productivity through the maintenance of forest processes.
Species /Habitat: **Upland Habitat**

Protection Measures: Leave trees and leave tree areas. Leave trees retained are wind firm and well-formed dominant and co-dominant trees representing the original diversity of species. Additionally, individual species and tree types known to have high wildlife use have been retained. Trees with unique characteristics such as forked or damaged tops have been incorporated within many of the leave tree groups and individually selected throughout the proposal to provide current and future habitat for a variety of wildlife species including woodpeckers, sapsuckers and other cavity dwellers. Large hard and soft snags with high evident use and cavities will also be retained where possible.

f. List any invasive animal species known to be on or near the site.

With aquatic habitat near the proposal site, the invasive American bullfrog may be present. None have been found during field reconnaissance. Barred owls are known to be in the vicinity and are considered invasive by the US Fish and Wildlife Service.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Petroleum fuel (diesel or gasoline) will be used for heavy equipment during active road building, timber harvest operations, and for transportation. No energy sources will be needed following project completion.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None.

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

1) Describe any known or possible contamination at the site from present or past uses.

None known.
2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None known.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

Petroleum-based fuel and lubricants may be used and stored on site during the operating life of this project.

4) Describe special emergency services that might be required.

The Department of Natural Resources, private, and fire protection district suppression crews may be needed in case of wildfire. In the event of personal injuries, emergency medical services may be required. Hazardous material spills may require Department of Ecology and/or county assistance.

5) Proposed measures to reduce or control environmental health hazards, if any:

No petroleum-based products will be disposed of on site. If a spill occurs, containment and cleanup will be required. Spill kits are required to be onsite during all heavy equipment operations. The cessation of operations may occur during periods of increased fire risk. Fire tools and equipment, including pump trucks and/or pump trailers, will be required on site during fire season.

NOTE: If contamination of the environment is suspected, the proponent must contact the Department of Ecology.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

There will be short term, low level and high level noise created by the use of harvesting equipment and hauling operations within the proposal area. This type of noise has been historically present in this geographical area.

3) Proposed measures to reduce or control noise impacts, if any:
8. Land and shoreline use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. (Site includes the complete proposal, e.g. rock pits and access roads.)

Current use of site and adjacent land types: Forest Production

This proposal will not change the use of or affect the current/long term land use of areas associated with this sale.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

This proposal site has been used as working forest lands. This proposal will retain the site in working forest lands.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No.

c. Describe any structures on the site.

None.

d. Will any structures be demolished? If so, what?

No.

e. What is the current zoning classification of the site?

Forestry

f. What is the current comprehensive plan designation of the site?

Forest Production

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.
No.
i. Approximately how many people would reside or work in the completed project?
   None.
j. Approximately how many people would the completed project displace?
   None.
k. Proposed measures to avoid or reduce displacement impacts, if any:
   **Does not apply.**
l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
   **This project is consistent with current comprehensive plans and zoning classifications.**
m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:
   None.

9. Housing
   a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
      **Does not apply.**
   b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
      **Does not apply.**
   c. Proposed measures to reduce or control housing impacts, if any:
      None.

10. Aesthetics
    a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
      **Does not apply.**
b. What views in the immediate vicinity would be altered or obstructed?

1) *Is this proposal visible from a residential area, town, city, recreation site, major transportation route or designated scenic corridor (e.g., county road, state or interstate highway, US route, river or Columbia Gorge SMA)?*

☒ No ☐ Yes, name of the location, transportation route or scenic corridor:

2) *How will this proposal affect any views described above?*

**Does not apply.**

c. Proposed measures to reduce or control aesthetic impacts, if any:

**Clumping of leave trees.**

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

c. What existing off-site sources of light or glare may affect your proposal?

None.

d. Proposed measures to reduce or control light and glare impacts, if any:

None.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

*Informal recreation consists of hiking, horseback riding, mountain biking, hunting, fishing, and mushroom picking.*

b. Would the proposed project displace any existing recreational uses? If so, describe.

**There may be some disruptions to recreational use during periods of harvesting and hauling.**

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

Yes, A DNR Archaeologist has reviewed the proposal and submitted site records to DAHP for Cultural Resource sites. One site within the proposal area (site record 45KI1371) was submitted, but DNR does not consider the site eligible for state or national register listings, and will be avoided by harvest activity. The other site (site record 45KI01648) is outside of the sale area but adjacent and will not be impacted by the proposal.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

Yes, A DNR Archaeologist has reviewed the proposal area and submitted records to DAHP.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

Cultural resources reconnaissance occurred October 2021 through March 2022. The State Lands archaeologist studied this area extensively, on the ground and through archival research and will record findings with the Department of Historical Preservation.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

Resources have been excluded from harvest operations.

If a presently-unknown cultural resource is discovered during project operations, DNR will comply with the Cultural Resources Inadvertent Discovery Guidance dated March 2010 or its successor procedure.

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.
The haul route will utilize DNR forest roads within the Marckworth Forest, and may also involve Stossel Creek Road, Kelly Road, and Stillwater Hill Road, which all lead out to Highway 203.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

No. Nearest transit spot is approximately 7 miles away.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

None.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

Yes, see A-11-c.

1) How does this proposal impact the overall transportation system/circulation in the surrounding area and any existing safety problem(s), if at all?

This project will have minimal to no additional impacts on the overall transportation system in the area.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates?

Approximately 10 to 15 truck trips per day while the operation is active. Peak volumes would occur during the yarding and loading activities between 4:00 a.m. and 4:00 p.m. of the operating period. The completed project will generate less than one vehicular trip per day. Estimates are based on the observed harvest traffic of past projects.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.
h. Proposed measures to reduce or control transportation impacts, if any:

None.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

16. Utilities

a. Check utilities currently available at the site:
   ☐ electricity  ☐ natural gas  ☐ water  ☐ refuse service  ☐ telephone  ☐ sanitary sewer
   ☐ septic system  ☐ other:

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None.
C. SIGNATURE
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Brandon Mohler

Name of signee: Brandon Mohler

Position and Agency/Organization: State Lands Assistant Region Manager/DNR

Date Submitted: __________
FROM CARNATION: Head north on Highway 203 for 2.8 miles and take a right onto Stillwater Hill Rd, which shortly turns into Kelly Rd NE. After 3.2 miles, veer right onto Swan Mill Rd, which then becomes Stossel Creek Rd. After 1.3 miles, keep right to stay on Stossel Creek Rd, entering Marckworth State Forest. Pavement ends here. After 1.2 miles, you will approach a 4-way intersection. Turn right to head through Gate 1001 (383 Master Lock key). Continue for 6.5 miles, then turn right onto the 5200 Rd. After 1.1 miles, veer left to stay on the 5200 Rd. Unit 3 will be on the left after 0.65 miles. Continue up the 5200 Rd to access Units 1 and 2.
DRIVING DIRECTIONS:
FROM MONROE: Head south on Highway 203 for 1 mile and take Ben Howard Rd. Continue for 6.3 miles and take a right onto Cedar Ponds Rd. After 3.3 miles the 1029 gate and 7500 Rd will be on the right. Continue on the 7500 Rd for 2.6 miles. Veer right to continue on the 5210 Rd for another 2.6 miles. Continue to the left at the fork and after 1.1 miles, veer left to stay on the 5200 Rd. Unit 3 will be on the left after 0.65 miles. Continue up the 5200 Rd to access Units 1 and 2.
**Streams**

**Stream Type**

**Stream Type Break**

**Waterbodies**

**Wetlands - Non-forested**

**Leave Tree Area**

**Riparian Mgt Zone**

**Wetland Mgt Zone**

**Culvert**

**Leave Tree Area <1/4-acre**

**Rock Pit**

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**SALE NAME:** Charlie Horse  
**AGREEMENT #:** 30-089221  
**TOWNSHIP(S):** T26R8E  
**TRUST(S):** Normal School (8), State Forest Transfer (1)  
**REGION:** South Puget Sound Region  
**COUNTY(S):** King  
**ELEVATION RGE:** 1080-1600

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**Prepared By:** ssha490  
**Modification Date:** nch490 6/15/2022

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**ROW U5**  
0.2 ac

**Unit 1**  
57 ac

**ROW U4**  
0.6 ac

**Unit 2**  
40 ac

**Unit 3**  
6 ac

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**All State Unless Otherwise Noted**

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**TIMBER SALE MAP**