Forest Practices Application/Notification
Office Checklist Page 1
Northwest Region

<table>
<thead>
<tr>
<th>FPA/N CLASSIFICATION: [ ] II [ ] III [ ] IVG [ ] IVS</th>
<th>Biomass [ ] FFPP [ ] 20-acre exempt [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landowner Name: <em>(Key Co)</em></td>
<td>Project Name: <em>(No Excuses)</em></td>
</tr>
<tr>
<td>WRIA: <em>(Snohomish)</em></td>
<td>WAU: <em>(Upper Wallace River)</em></td>
</tr>
<tr>
<td>WRIA:</td>
<td>WAU:</td>
</tr>
<tr>
<td>WRIA:</td>
<td>WAU:</td>
</tr>
<tr>
<td>Legal Description: <em>(NW14 8-28-95)</em></td>
<td>County: <em>(Snohomish)</em></td>
</tr>
<tr>
<td>Activity Type: Harvest 89 ac</td>
<td>Stream</td>
</tr>
<tr>
<td></td>
<td>Spray 77 ac</td>
</tr>
<tr>
<td></td>
<td>Road 64 ft</td>
</tr>
<tr>
<td></td>
<td>Road Abandonment 4887 ft</td>
</tr>
<tr>
<td></td>
<td>Rock Pit 14 ac</td>
</tr>
<tr>
<td></td>
<td>Spoils 30 cy</td>
</tr>
</tbody>
</table>

ALTERNATIVE PRESCRIPTIONS ADDITIONAL COMMENTS:
- [ ] Alternate Plan
- [ ] Ten-Year Forest Management Plan
- [ ] Columbia River Gorge National Scenic Area
- [ ] Watershed Analysis:

RESOURCE REVIEW
- [ ] Unstable Slopes (Risk: Highway, Water:)
- [ ] Soils Map (Highly Erodible & Very Unstable)
- [ ] Landslide Inventory Polygon
- [ ] Potential Avalanche Areas
- [ ] High Avalanche Hazard Area
- [ ] Rain-on-Snow and Outside Approved WA
- [ ] Hydric Soils
- [ ] Wetland [ ] Forested, [ ] A, [ ] B
- [ ] In WMZ of [ ] A, or [ ] B Wetland
- [ ] In RMZ/ELZ of Type [ ] S, [ ] F, [ ] N water
- [ ] Water Verification

ASSOCIATED NON-SCANNED DOCUMENTS - On file with the FPA/N at the Region office:
- [ ] SEPA Checklist/Documents
- [ ] Large Landowner Road Maintenance and Abandonment Plan

ASSOCIATED SCANNED DOCUMENTS
- [ ] Conversion Option Harvest Plan
- [ ] FPHP Plans & Specifications
- [ ] Qualified Expert Report; Type:
- [ ] Natural Regeneration Plan
- [ ] Shoreline Permit
- [ ] Marbled Murrelet Form
- [ ] FPBM Appendix(s)
- [ ] Small Landowner RMAP Checklist
- [ ] CMZ Assessment Form

ADDITIONAL COMMENTS:

EARR Tax Credit [ ] Yes [ ] No
[ ] Habitat Conservation Plan
[ ] Landowner Option Plan for Northern Spotted Owl
[ ] Cooperative Habitat Enhancement Agreement

[ ] Bull Trout Overlay
[ ] HCP Bull Trout Population
[ ] Bald Eagle nest or roost within 660 feet
[ ] Group A or B Water Supply
[ ] Hatchery (Name:)
[ ] Even-Aged Harvest greater than 120 Acres
[ ] Ground-based Equipment on Slopes greater than 40%
[ ] Road Construction on Slopes greater than 65%  
[ ] Saltwater Islands (Name:)
[ ] In or Over Typed Water
[ ] Volume greater than 5 mbf per acre

Form completed by *(Signature)*
**Forest Practices Application/Notification**  
**Western Washington**

**PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS APPLICATION.**

1. **Landowner, Timber Owner and Operator**

<table>
<thead>
<tr>
<th>Legal Name of LANDOWNER</th>
<th>Legal Name of TIMBER OWNER</th>
<th>Legal Name of OPERATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weyerhaeuser</td>
<td>Weyerhaeuser NR</td>
<td>Weyerhaeuser NR</td>
</tr>
<tr>
<td>☐ Same as Landowner</td>
<td>☐ Same as Landowner</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mailing Address:</th>
<th>Mailing Address:</th>
<th>Mailing Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 Metcalf Street, Building F-5E</td>
<td>500 Metcalf Street, Building F-5E</td>
<td>500 Metcalf Street, Building F-5E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City, State, Zip:</th>
<th>City, State, Zip:</th>
<th>City, State, Zip:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sedro-Woolley, WA 98284</td>
<td>Sedro-Woolley, WA 98284</td>
<td>Sedro-Woolley, WA 98284</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phone:</th>
<th>Phone:</th>
<th>Phone:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Email:</th>
<th>Email:</th>
<th>Email:</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:wes.worden@weyerhaeuser.com">wes.worden@weyerhaeuser.com</a></td>
<td><a href="mailto:wes.worden@weyerhaeuser.com">wes.worden@weyerhaeuser.com</a></td>
<td><a href="mailto:wes.worden@weyerhaeuser.com">wes.worden@weyerhaeuser.com</a></td>
</tr>
</tbody>
</table>

2. **Contact Person**

<table>
<thead>
<tr>
<th>Contact Person:</th>
<th>Phone:</th>
<th>Email:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wes Worden</td>
<td>509-387-0321</td>
<td><a href="mailto:wes.worden@weyerhaeuser.com">wes.worden@weyerhaeuser.com</a></td>
</tr>
</tbody>
</table>

3. Are you converting any portion of the land to non-forestry use within 3 years of harvest?

☐ No  ☐ Yes  If yes, include your SEPA checklist and SEPA determination (if applicable) and county clearing and grading permit (if applicable).

4. If you are harvesting timber, enter the Forest Tax Number of the Timber Owner:

800070834

*Contact the Department of Revenue at 1-800-548-8829 for tax reporting information or to obtain a number.*

a. Are you eligible for EARR Tax Credit?  ☐ No  ☒ Yes

---

Received NW Region:  
**OCT 07 2019**
5. Are you a small forest landowner per RCW 76.09.450? See instructions
   ☒ No ☐ Yes  If yes, Check all that apply. If no, skip to Question 6.
      ☐ My entire proposed harvest area is on a single contiguous ownership consisting of one or more parcels.
      ☐ My proposed forest practices activities are within an area covered by an approved Forest Stewardship Plan or Forest Management Plan developed in cooperation with DNR.
      ☐ I received technical assistance from a DNR small forest landowner Stewardship and Technical Assistance Forester in preparing this FPA/N.
      ☐ I have participated in a Washington State University Extension Service and/or DNR-sponsored Forest Stewardship Coached Planning course.
      ☐ I have attended a Washington State University Extension Service and/or DNR-sponsored Family Forest Owner Field Day.

6. Are you substituting prescriptions from an approved state or federal conservation agreement or Watershed Analysis?
   ☒ No ☐ Yes  Write ‘HCP’ or ‘Using Prescriptions’ in tables that apply. Attach or reference prescriptions and/or crosswalks for approved state or federal conservation agreements or Watershed Analysis on file at the Region office.

7. What is the legal description of your forest practices?

<table>
<thead>
<tr>
<th>Section</th>
<th>Township</th>
<th>Range</th>
<th>E/W</th>
<th>Tax Parcel Number</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>28N</td>
<td>9</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
</tbody>
</table>

Prior to answering Questions 8 and 9 in this section please refer to the Forest Practices Application Instructions.

8. Have you reviewed this forest practices activity area to determine whether it may involve archaeological or historical sites or tribal cultural resources?
   ☒ No ☐ Yes  If yes, complete Questions 1.a. through 1.c. of Appendix K. Archaeological, Historical, Tribal Cultural Resource Form and submit with your application.

Note: If you answer no, DNR will screen the FPA to determine whether the proposed forest practices activities may be within an area of interest for tribal cultural resources or within a DAHP registered or recorded archaeological or historic site. WAC 222-16-010 defines cultural resources as "archaeological and historic sites and artifacts, and traditional religious, ceremonial, and social uses and activities of affected Indian tribes."

9. Have you reviewed the state list of registered archaeological or historic sites or contacted the Department of Archaeology and Historic Preservation (DAHP) to determine if a DAHP registered or recorded archaeological or historical site is within this forest practices activity area?
   ☒ No ☐ Yes  If yes, complete Questions 2.a. through 2.c. of Appendix K. Archaeological, Historical, Tribal Cultural Resource Form and submit with your application.
10. Do you have a DNR approved Road Maintenance and Abandonment Plan (RMAP)?

☐ No  □ Yes  Enter your RMAP number: R28000098L

□ No  ☑ Yes  Is this FPA/N for work that is included in this approved RMAP?

11. Are there potentially unstable slopes or landforms in or around the area of your forest practices activity?

□ No  ☑ Yes  If yes, attach Appendix D. Slope Stability Informational Form and map of areas reviewed for and locations of unstable slopes and landforms found. If applicable, attach a geotechnical letter, memo, or report, Watershed Analysis prescriptions, and/or a SEPA Environmental Checklist.

12. Is this Forest Practices Application/Notification (answer every question):

a. ☑ No  □ Yes  A request for a multi-year permit? If yes, length requested: ☐ 4 years or ☐ 5 years. Not everyone qualifies for a multi-year permit. See instructions for details.

b. ☑ No  □ Yes  An Alternate Plan? If yes, include a template or detailed plan. See instructions for details.

c. ☑ No  □ Yes  For a funded Forest Family Fish Passage Program project?

d. ☑ No  □ Yes  Within an urban growth area? If yes, see instructions for additional required documents.

e. ☑ No  □ Yes  Within a public park? If yes, include SEPA Environmental Checklist or SEPA Determination, except for harvest/salvage of less than 5,000 board feet within a developed public park. Park name: ____________________________

f. ☑ No  □ Yes  Within 500 feet of a public park? Park name: ____________________________

g. ☑ No  □ Yes  In an approved Conversion Option Harvest Plan (COHP) from the local government? If yes, include a copy. This only applies to proposals within urban growth areas.

h. ☑ No  □ Yes  Within 200 feet of the Ordinary High Water Mark (OHWM) or floodway of Type S Water? If yes, check with the county or city to determine whether a substantial development permit is required under the local shorelines master plan.

i. □ No  ☑ Yes  Within 50 miles of saltwater AND you own more than 500 acres of forest land in Washington State? If yes, include Marbled Murrelet Form or attach/reference HCP prescriptions.

j. ☑ No  □ Yes  In or directly adjacent to a potential Channel Migration Zone (CMZ)? If yes, include CMZ Assessment Form. Attach/reference applicable HCP and/or Watershed Analysis prescriptions.

You are required to verify all waters within 200 feet of your proposed forest practices activities prior to submitting a Forest Practices Application / Notification. Use the Water Type Classification Worksheet and/or a Water Type Modification form to explain how you verified water types. See Water Typing Requirements in the instructions.

*****  If not working in or over typed Waters, skip to Question 17 *****

Prior to answering Questions 13-16 in this section please refer to the Forest Practices Application Instructions and Forest Practices Board Manual Section 5.
13. Are you proposing any of the following projects NOT permitted by current HPAs from WDFW?
   a. X No □ Yes Installing, replacing, or repairing a culvert at or below the bankfull width of Type S or F Water(s) that exceeds a five percent gradient?
   b. X No □ Yes Constructing, replacing, or repairing a bridge at or below the bankfull width of unconfined streams in Type S or F Water(s)?
   c. X No □ Yes Placing fill material within the 100-year flood level of unconfined streams in Type S or F Water(s)?

14. Have you consulted with DNR and/or WDFW about the proposed hydraulic project(s) in or over Type S or F Water? X No □ Yes

15. If installing, replacing, removing, or maintaining structures in or over any typed Water, complete the table below. Provide crossing locations and identifiers on your Activity Map. Provide plan details in Question 29 or attach plan to the FPA/N. Type S and F Waters require detailed plan information. Complex hydraulic projects in Type N Waters may also be required per WAC 222-24-042(2). See instructions for detailed plan requirements.

<table>
<thead>
<tr>
<th>Crossing Identifier (letter number)</th>
<th>Water Type (S, F, N, NS)</th>
<th>Existing HPA Number (if applicable)</th>
<th>HPA Expiration Date (if applicable)</th>
<th>Planned Activity (install, replace, remove, temporary, structure maintenance)</th>
<th>Structure (bridge, ford/equipment crossing**, puncheon/fill, arch, pipe arch, round culvert, other)</th>
<th>Proposed Size (width x length)</th>
<th>Culvert Design Method (no-slope, stream-sim, hydraulic, other) (F and S only)</th>
<th>Channel Bed Width (f and S only)</th>
<th>Stream Gradient (%) (F and S only)</th>
<th>Is this an RMAP Project?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Existing HPAs issued by WDFW will be complied and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

**Fords and/or equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain threatened or endangered fish species. For more information, see "Background for the State's Incidental Take Permits for certain threatened and endangered fish species" following Question 23 of the FPA/N Instructions.

16. If conducting any of the following activities in or over typed Water(s), complete the table below. Some activities will require identifiers on the Activity Map and/or more information in Question 29. See instructions.

<table>
<thead>
<tr>
<th>Activity **</th>
<th>Type S Water</th>
<th>Type F Water</th>
<th>Type Np Water</th>
<th>Type Ns Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment Crossing**</td>
<td>PROVIDE DETAILS IN QUESTION 15</td>
<td>XXXX</td>
<td>XXXX</td>
<td></td>
</tr>
<tr>
<td>Suspending Cables</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cable Yarding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LWD Placement/Removal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beaver Dam Removal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Felling and Bucking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (describe in Question 29)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Fords and/or equipment crossings on Type S and F Waters must be identified in Question 15.
17. If constructing or abandoning forest roads, complete the table below. Show the road locations and identifiers on the Activity Map. Include abandonment plans for all temporary roads and abandonment projects.

<table>
<thead>
<tr>
<th>Road Identifier (name, number)</th>
<th>Road Construction</th>
<th>Road Abandonment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length (feet)</td>
<td>Steepest Side-slope (%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

18. If depositing spoils and/or expanding or developing a rock pit for forestry use, complete the table below. Show locations and identifiers on the Activity Map.

<table>
<thead>
<tr>
<th>Spoil Area Identifier (letter, number)</th>
<th>Amount of Spoils Deposited (cubic yards)</th>
<th>Rock Pit Identifier (name, number or letter)</th>
<th>Acres of New Rock Pit Developed</th>
<th>Acres of Existing Rock Pit Expanded</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

19. If operating within 200 feet of a wetland that is not associated with Type S or F Water, complete the table below. Wetlands associated with Type S or F water should be listed in Question 26. Show the boundaries of each wetland, along with its identifier, and Wetland Management Zones on the Activity Map. See instructions for information.

<table>
<thead>
<tr>
<th>Wetland Identifier (letter, number)</th>
<th>Wetland Type (A, B, Forested)</th>
<th>Planned Activities in Wetland</th>
<th>Planned Activities in Maximum Width WMZ</th>
<th>Total Wetland Acres</th>
<th>How many Acres will be drained?</th>
<th>How many Acres will be filled?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**** If not harvesting or salvaging timber, skip to Question 28 ****
20. If harvesting or salvaging timber, complete the table below. Show all harvest areas and unit numbers on the Activity Map. For even-aged harvest units, also show surrounding stand information on the Activity Map.

<table>
<thead>
<tr>
<th>Unit Number</th>
<th>Harvest Type (Even-aged, Uneven-aged, Salvage, Right-of-Way)</th>
<th>Biomass Harvest (Y/N)</th>
<th>Harvest Method (rubber tired skidder, tracked skidder, dozer, shovel, full suspension cable, leading end suspension cable, helicopter, cable assist/tethered logging, animal, chipper, forwarder, slash bundler)</th>
<th>Acres to be Harvested</th>
<th>Volume to be Harvested (mbf)</th>
<th>Biomass Volume to be Harvested (tonnage)</th>
<th>Volume to be Harvested (%)</th>
<th>Steepest Slope in Harvest Unit (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Even-aged</td>
<td>Y</td>
<td>shovel, cable assist/tethered logging, leading end suspension cable</td>
<td>87</td>
<td>2500</td>
<td>150</td>
<td>99</td>
<td>~85</td>
</tr>
</tbody>
</table>

21. Reforestation. Check all that apply:

- [x] Planting. Tree Species: Conifer
- [ ] Natural. Include a Natural Regeneration Plan
- [ ] Not required because of one or more of the following:
  - [ ] I am converting some or all of this land to non-forest land in the next 3 years or lands are exempted under WAC 222-34-050.
  - [ ] Individual dead, dying, down, or wind-thrown trees will be salvaged.
  - [ ] Trees are removed under a thinning program reasonably expected to maximize the long-term productivity of commercial timber.
  - [ ] I am leaving at least 100 vigorous, undamaged, and well-distributed saplings or merchantable trees per acre.
  - [ ] An average of 190 tree seedlings per acre are established on the harvest area and my harvest will not damage them.
  - [ ] Road right-of-way or rock pit development harvest only.

** Do you own MORE than 80 acres of forest land in Washington? If yes, skip to Question 26 **

22. Are you using the exempt 20-acre parcel riparian management zone (RMZ) rule (WAC 222-30-023) on Type S, F, or Np Waters?

- [ ] No Skip to Question 26.
- [ ] Yes Continue to Question 23. See instructions for qualifications and information.
23. Choose one or more of the answers below that best fits your situation. Show all RMZs on the Activity Map.

- Between June 5, 2006 and today’s date I have owned more than 80 acres of forest land in Washington.
- Between June 5, 2006 and today’s date this parcel has been a part of more than 20 acres of contiguous ownership. See RCW 76.09.020 for definition of ‘contiguous’.
- Between June 5, 2006 and today’s date this parcel has been owned by someone that has owned more than 80 forested acres in Washington.

*If all of the statement above apply to you and your land, you are authorized under the State’s Incidental Take Permits if you use the exempt 20-acre RMZ rule.*

*If not all of the statements above apply AND you use the exempt 20-acre parcel RMZ rule, you are NOT authorized under the State’s Incidental Take Permits (see explanation in FPA instructions under Question 23).*

24. If harvesting within 115 feet of a Type S or F Water on an exempt 20-acre parcel, complete the table below. Show RMZs and stream segment identifiers on the Activity Map. If you are harvesting within 75 feet or within the maximum RMZ (whichever is less), stream shade must be assessed and met following harvest. Describe in Question 29 how stream shade was determined to be met, using the ‘Appendix F. Stream Shade Assessment Worksheet’ if necessary.

<table>
<thead>
<tr>
<th>Stream Segment Identifier (letter)</th>
<th>Water Type (S, F)</th>
<th>Segment Length (feet)</th>
<th>Bankfull Width (feet)</th>
<th>RMZ Maximum Width (feet)</th>
<th>Are you harvesting within the maximum RMZ? (Y or N)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

25. Are you harvesting within 29 feet of a Type Np Water on an exempt 20-acre parcel?

- No   Skip to Question 28.
- Yes   See instructions and describe leave tree strategy in Question 29. Then skip to Question 28.

26. If harvesting within 200 feet of any Type S or F Water or periodically inundated areas of their associated wetlands, complete the table below. Include Desired Future Condition (DFC) for all inner zone harvests unless you have an HCP prescription. Show RMZs, CMZs, and stream segment identifiers on the Activity Map. If you are harvesting within 75 feet or within the maximum RMZ, whichever is less, stream shade must be assessed and met following harvest. Describe in Question 29 how stream shade was determined to be met or use the ‘Appendix F. Stream Shade Assessment Worksheet’ if necessary.

<table>
<thead>
<tr>
<th>Stream Segment Identifier (letter)</th>
<th>Water Type (S, F)</th>
<th>Site Class (I - V)</th>
<th>Stream Width (feet)</th>
<th>Is there a CMZ? (Y or N)</th>
<th>RMZ Harvest Code(s) (see instructions)</th>
<th>DFC Run Number</th>
<th>Total width of RMZ (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
27. If harvesting within 50 feet of Type Np Water, complete the table(s) below. Show RMZs and stream segment identifiers on the Activity Map.

<table>
<thead>
<tr>
<th>Stream Segment Identifier (letter)</th>
<th>Total Stream Length in Harvest Unit (feet)</th>
<th>Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Np1-Np12c</td>
<td>7360</td>
<td>4000</td>
</tr>
<tr>
<td>Np25-Np28</td>
<td>2120</td>
<td>1920</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stream Segment Identifier (letter)</th>
<th>Total Stream Length in Harvest Unit (feet)</th>
<th>Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

28. How are the following currently marked on the ground? *(Flagging color, paint color, road, fence, etc.)*

- Harvest/Salvage Boundaries: Pink "Timber Harvest" Flagging
- Clumped Wildlife Reserve Trees/Green Recruitment Trees: Within RMZs and unstable slope leave areas
- Right-of-Way Limits/Road Centerlines: Not Applicable
- Stream Crossing Work: Not Applicable
- Riparian Management Zone Boundaries and Leave/Take Trees: No-harvest Pink "Timber Harvest" Flagging
- Channel Migration Zone: Not Applicable
- Wetland Management Zone Boundaries and Leave/Take Trees: Not Applicable

29. Additional Information *(attach additional pages if necessary)*: For hydraulic projects in or over Type S, F, or complex N Water(s) see instructions for required plan information. If applicable, include mitigation measures from a geotechnical memo, letter, or report.

"No Excuses" MU 13552

Np and Ns streams may be crossed within the harvest unit where there is no RMZ or unstable slope leave tree area. The bed and banks of these streams will be protected with logs and slash. This material will be removed upon completion of use.

Np streams Np6 and Np6a were created from water pirated down an old grade on DNR lands in the SW/14SE1/4 of section 8. This will be corrected as per FPA 2816968 (water kept in Np4 and streams Np6 and Np6a expected to go away).

Landing locations are approximate. More or less may be needed.

Please see the included geotechnical memo written by Ted Turner—qualified expert geologist. This is a response to the additional information requested by DNR for the original submittal (FPA 2817008). The harvest boundaries for this application are the same as the withdrawn 2817008. Future harvest may be proposed where the memo prescription suggests the harvest boundary can move downslope.
30. We acknowledge the following:
  - The information on this application/notification is true.
  - We understand this proposed forest practice is subject to:
    - The Forest Practices Act and Rules AND
    - All other federal, state or local regulations.
  - Compliance with the Forest Practices Act and Rules does not ensure compliance with the Endangered Species Act or other federal, state or local laws.
  - If we said that we would not convert any portion of the land to non-forestry use, the county or city may deny development permits on this parcel for the next 6 years.
  - The following may result in an unauthorized incidental take of certain endangered or threatened fish species:
    - Conversion of land to non-forestry use.
    - Harvesting within the maximum RMZ on a 20-acre exempt parcel that was acquired after June 5, 2006.
    - Equipment Crossings/Fords in or over Type S and F Waters.
  - Inadvertent Discovery – Chapters 27.44, 27.53, 68.50 and 68.60 RCW
    - If you find or suspect you have found an archaeological object or Native American cairn, grave, or glyptic record, immediately cease disturbance activity, protect the area and promptly contact the Department of Archaeology and Historic Preservation at 360 586-3077.
    - If you find or suspect you have found human skeletal remains, immediately cease disturbance activity, protect the area, and contact the County Coroner or Medical Examiner and local law enforcement as soon as possible. Failure to report human remains is a misdemeanor.

The landowner understands that by signing and submitting this FPA, he/she is authorizing the Department of Natural Resources to enter the property in order to review the proposal, inspect harvest operations, and monitor compliance for up to three years after its expiration date. RCW 76.09.150

<table>
<thead>
<tr>
<th>Signature of Legal LANDOWNER</th>
<th>Signature of Legal TIMBER OWNER* (If different than landowner)</th>
<th>Signature of Legal OPERATOR (If different than landowner)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name: Wes Worden</td>
<td>Print Name: Wes Worden</td>
<td>Print Name: Wes Worden</td>
</tr>
<tr>
<td>Date: 10/03/2019</td>
<td>Date: 10/03/2019</td>
<td>Date: 10/03/2019</td>
</tr>
</tbody>
</table>

* NOTE: If you are a "Perpetual Timber Rights Owner," and are submitting this without the Landowner's Signature, provide written evidence the landowner has been notified.

Please make a copy of this FPA/N for your records. If this FPA/N contains a hydraulic project requiring WDFW concurrence review, it will not be available online for public review until after the WDFW concurrence review period.
Topography, prescriptions, and field observation sites

Figure 1 of 5
Appendix D. Slope Stability Informational Form

Complete and attach this form to your FPA/N if you indicated you are working in or around potential unstable slopes or landforms. Instructions for this appendix is located in the Forest Practices Application/Notification Instructions document. Refer to WAC 222-16-050(1)(d) and Forest Practices Board Manual Section 16 - Guidelines for Evaluating Potentially Unstable Slopes for definitions and descriptions of potentially unstable slopes or landforms.

1. a. What preliminary screening tools were used to identify unstable slopes or landform features in and/or around your proposal?
   - Aerial Photo  ☒ LiDAR  ☒ Landslide Inventory  ☒ GIS  ☒ Field Review  ☐ Other, describe:

   b. Did any of the features identified during the preliminary screening (1.a.) not exist when you performed a field review?  ☐ No, go to Question 2.a.  ☒ Yes, describe:

2. a. Are you conducting forest practices activities in or over potentially unstable slopes or landforms?
   - Inner Gorge  ☐ Groundwater recharge areas for glacial deep-seated landslides
   - Bedrock Hollow  ☐ Convergent Headwall  ☐ Outer edges of meander bends
   - Toe of deep-seated landslide with slopes ≥ 65%
   - Category E - see instructions and describe below (i.e.: Active deep-seated landslides and others)
   - Other, describe:

   b. What activities may occur in or over potentially unstable slopes or landforms? Check all that apply:
   - ☐ Timber harvest  ☐ Road construction  ☒ Suspending cables  ☐ Yarding  ☐ Tailholds

3. a. Are you conducting forest practices activities around potentially unstable slopes or landforms?
   - Inner Gorge  ☐ Groundwater recharge areas for glacial deep-seated landslides
   - Bedrock Hollow  ☐ Convergent Headwall  ☐ Outer edges of meander bends
   - Toe of deep-seated landslide with slopes ≥ 65%
   - Category E - see instructions and describe below (i.e.: Active deep-seated landslides and others)
   - Other, describe:

   b. What activities may occur around potentially unstable slopes or landforms? Check all that apply:
   - ☒ Timber harvest  ☐ Road construction  ☒ Suspending cables  ☒ Yarding  ☐ Tailholds
4. a. Were any features identified in Question 3.a. excluded from your forest practices activity?  
☐ No, go to Question 5.  ☑ Yes, continue to Question 4.b.

b. Describe the field indicators you used to exclude potentially unstable slopes or landforms from your forest practices activity (i.e.: flagging was placed a crown width away from the break in slope of the inner gorge): 
Generally flagged out convergent slopes exceeding 70% adjacent to typed waters that met the definition of inner gorge or bedrock hollow.

5. Are there areas of public use located in or around the area of your proposed forest practices activity?  
☑ No, go to Question 6  ☐ Yes, check all that apply and show locations on the map in Question 7.
☐ Public Road(s)  ☐ Utilities  ☐ Designated Recreation Area(s)  ☐ Occupied Structure(s)  ☐ Other, describe:

6. Complete the table below with date(s) and person(s) that conducted field review(s):

<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/15/2019</td>
<td>Ted Turner</td>
<td>Qualified Expert Geologist</td>
</tr>
<tr>
<td>07/15/2019</td>
<td>Wes Worden</td>
<td>Forest Engineering Specialist</td>
</tr>
<tr>
<td>09/30/2019</td>
<td>Tony Fox</td>
<td>Consulting Forester</td>
</tr>
</tbody>
</table>

7. Attach a map that shows the following:
   - Show all areas reviewed.
   - Show locations of unstable slopes and landforms that were identified as described in Question 2.a. and 3.a. above.
   - Show locations where areas of public use exist as described in Question 5 above.

This map is intended to be developed by the field practitioner. This can be a forest practices activity map, harvest map, or GIS map – See instructions for example map.
PROPOSED HARVEST: REQUEST FOR ADDITIONAL GEOLOGIC INFORMATION

Date: September 30, 2019
To: Wes Worden (Weyerhaeuser)
From: Ted Turner (Weyerhaeuser NR)
Setting: MU #13552, No Excuses
STR: Sec. 8 – T28N – R9E
Watershed: Wallace River → Skykomish River
County: Snohomish

Overview
The purpose of this memo is to provide additional geologic information per WAC 222-20-010 (9) for FPA #2817008. This FPA was withdrawn due to insufficient time to address the request. The request, from Mr. Hardesty (DNR geologist) on June 25, 2019 via email to Steven Huang, is as follows (highlights are mine):

My remote review revealed the following:

1. According to the FPA Activity Map and LiDAR derivatives, much of the western PHU boundary is positioned along a sharp topographic break above a relatively steep west-facing slope. There are several portions of this relatively steep slope (as well as slopes located distally to the southwest of the PHU) that lack vegetation and have signs of ongoing instability (see below). I recommend field review the geologic conditions along the western PHU boundary adjacent to the topographic break in slope for potential slope instability concerns that could pose an adverse impact to the typed waters below.

   1a - Between streams Np25 and Np18, and immediately down-slope of a clifffy topographic break at the NW portion of the PHU, there is a ~150 by 450 feet patch of un-vegetated slope that appears between the 2005 and 2006 Google Earth imagery and persists through the 2017 orthophotos (Figure 2). Based on mapped geology and its proximity to the exposed cliff face, this area may be a result of mechanic weathering. Slopes within the PHU, up-slope of the clifffy topographic break, slope westward toward the steep slopes. Field review the geologic conditions of this clifffy slope break and the potentially unstable slopes below. An increase in post-harvest surface/ground water may contribute to inherently unstable slopes. Notably, my office review indicates this area of instability may not have delivered to typed waters.
Western Timberlands Forestry Research

- **1b - Similar to Concern 1a, an area of recent instability is located west of and downslope from the harvest unit and approximately 500 feet south of stream Np13. This area extends downslope approximately 500 feet from its initiation point and appears to be inherently unstable. Notably, this area of instability does not appear to have delivered to typed waters.**

2. **The southern portion of the PHU contains numerous Np streams that channel into stream Np3. The Activity Map has designated unstable slopes off the southwest side of the PHU, which is confirmed by absences in vegetation observed in aerial imagery. In addition, LiDAR derivatives indicate that active alluvial/debris fan processes are occurring downslope which appear to have delivered debris/sediment to North Fork Wallace River. Slopes within the southern portion of the harvest unit appear to direct water toward stream Np3. Considering actively unstable slopes (apparent in remote review), additional information from a QE appears to be warranted regarding the potential impacts a post-harvest increase in surface/groundwater runoff (from loss of evapotranspiration, heavy rain events, etc.) will have on public resources.**

3. **The slope stability information form (SSIF) documents an inner gorge within the PHU. It is not readily apparent in remote review where this rule identified landform is located within the PHU. I recommend requesting additional information to clarify the location of the inner gorge identified in the SSIF within the area of proposed forest practices.**

We visited the unit on July 15, 2019. We started at the southern unit boundary and focused our field review on the western unit boundary, including slopes west (donslope) of the proposed unit due to the information request and because this area does not appear to meet RIL criteria based on my office screen. Much of this area is currently excluded from the proposed harvest and I have noted in the field observations below sites that, in my opinion, do not meet RIL criteria should you elect to modify the harvest boundary. We did not traverse the central and eastern portion of the unit because slopes are not steep, they are not dissected by streams, and they exhibit no historic deep-seated or shallow landslide features.

A summary of my observations and recommended prescriptions are as follows:

- The proposed harvest unit is situated on gentle slopes primarily <50% gradient and are underlain by a thin veneer (locally) of alpine glacial till. Stream banks observed in the southern portion of the unit (e.g., Np3) expose the underlying metasedimentary rock that dominates the steeper valley sideslopes above Wallace River. Streams to the north (e.g., Np14-Np28) rapidly convey surface flows from the unit across bedrock dominated slopes.

- No in-unit or road-associated slides were detected in the field or on air photos within the proposed harvest boundary. Historic slope instability adjacent to the unit appears to have been limited to rockslides that crown west of the unit. The two large rockslides outside the unit and noted by DNR (and observed during our July field review), do not appear to have delivered to streams. They arrested on open slopes less than 60% gradient. Wet debris slides may have propagated further downslope, based on the runout guidance in Board Manual Section 16. However, since these were rockslides with apparent minimal saturated fine soils and debris, they arrested on steeper slopes. There are no anomalous hydrologic features present above the crowns of these slides, such as swales, seeps, or springs.
• Slopes west of the unit are underlain by shallow soils with abundant rock float. Bedrock outcrops are abundant, and the fractured rock appears to favor rapid infiltration of rainfall and snowmelt. We also did not observe significant soil creep. This is likely the result of the well-drained, high friction soils.

• The dominant mass wasting process west of the unit is rock fall. Slopes within the unit are relatively low gradient and not prone to shallow landslides. Np streams locally exhibit inner gorge morphology and are prescribed slope stability leave areas.

• Regarding the request to address a potential post-harvest increase in surface or groundwater flow, there are no unstable slopes rules or guidance for evaluating or mitigating harvest related groundwater flux except for glacial deep-seated landslides (no glacial deep-seated landslides are associated with slopes within or adjacent to this unit). As co-author of the Board Manual, and a participant during the Forest & Fish rules technical data review during the late 1990s, this exclusion of rules and guidance was intentional. No data were presented to TFW Policy at the time indicating that forest practice effects on groundwater flux and surface erosion processes, to include channel erosion, was potentially significant outside of GDSLs and within the limits of acceptable risk that guided rule development. I also did not observe any anomalous soil, geologic, or hydrologic features or processes associated with the proposed harvest. Therefore, I recommend no additional prescriptions.

Supporting data and figures:
Topography, prescriptions, and field observation sites............................. Figure 1
Topography, hillshade, and geology............................................................. Figure 2
Soils.............................................................................................................. Figure 3
Slope class..................................................................................................... Figure 4
1989 and 2018 Google Earth imagery.......................................................... Figure 5

Geomorphic setting
Most of the unit is underlain by Pleistocene-age alpine glacial drift, per 1:100,000-scale data from the Washington Geologic Information Portal (Figure 2). No shallow or deep-seated landslides are identified in the DNR LSI. Landslides observed in the field are detailed below under Field Observations. To the west of the unit, on the steeper valley sideslopes above Wallace River, Cretaceous-Jurassic-age metasedimentary lithologies dominate.

Dominant soils in the unit, as mapped, are Verlot silt loams (Figure 3). These soils occur primarily on 3-25% gradient slopes and develop from volcanic ash and glacial till. They are characterized as being moderately well drained with water table depths about 1-3 feet. Frequency of ponding or flooding is listed as none. Soils are 35-60 inches deep with the base of the profile comprising gravelly loamy sand. In the northeast portion of the unit, soils are mapped as Potchub-Hartnit complex with similar characteristics to the Verlot loams. The steeper valley sideslopes west of the unit are mantled by Oso-Getchell Rock outcrop complex. These soils are comprised of moderately well-drained gravelly loams with bedrock within 3 feet. Although the
web soil survey data describes parent materials for these soils as volcanic ash and glacial till, we observed abundant rock float and bedrock outcrops consistent with the metasedimentary rocks mapped here [KJmc(w) Fm.].

**Prior landslide hazard mapping**
No landslide hazard mapping for forest practice applications, such as watershed analyses, have been conducted for this area.

**Field Observations**
*See Figure 1 for site locations*

**Site 1**

**Adjacent to unit boundary, gentle slopes:**
Slopes are dry and 35% gradient. Old growth stumps are abundant and small hummocks represent pit and mound topography. No shallow landslide hazard or deep-seated landforms are present.
- **Rx:** None.

**Site 2**

**Metasedimentary bedrock exposed in Np3 stream bank:**
Inner gorge is present locally. No glacial sediments at stream level.
- **Rx:** None. Inner gorge landforms are within RMZ buffer.

**Site 3**

**Planar, dry slope above slope break:**
The slope immediately above this site was flagged out of the unit by the field crew. It is planar, dry, and 60-70% gradient with rock outcrops. Old growth stumps are abundant. No soil creep. No RIL is present at the upper portion of this buffer. Slopes below this site, toward Np3 and Np10, are steeper and convergent and meet RIL criteria.
- **Rx:** No slope stability leave area needed above this site because landforms do not meet RIL criteria. Move flag line downslope to slope break if desired.

**Site 4**

**Planar, dry slope:**
Slopes are 75% gradient and dry with significant rock float. No seeps or springs. Old growth stumps are abundant and straight. Below this site, slopes are locally >90% gradient with no soil creep (straight trees). Logged previously with no indication of post-harvest slope instability.
- **Rx:** None.

**Site 5**

**Open slope rockslide:**
Immediately above the crown of this historic rockslide on open slopes, soils are well-drained and very dry. No evidence of surface flow conveyance to scarp. No channels, seeps, or springs. No rills, gullies, or other erosional features on slide scarp or deposit. This was a 'dry' failure. Above the slide crown, slope gradient is 75-80% and planar.
- **Rx**: None above the slide crown because it does not meet RIL criteria.

**Site 6  Ridge nose:**
Slope is dry, uniform, and divergent.
- **Rx**: None.

**Site 7  Planar, dry slopes:**
Slopes below are 60-70% gradient. No streams. Appears very stable.
- **Rx**: None. Flag line can be moved downslope if desired.

**Site 8  Planar, dry slopes:**
Slopes below are 70-80%. No streams. Dry.
- **Rx**: None.

**Site 9  Rock outcrops:**
Slopes here are dry, rocky, and bedrock outcrops are abundant. No evidence of current or recent shallow or deep-seated instability. Trees are straight. Within the zone of outcrops, some conifers exhibit minor pistol-butting. Adjacent to this site, and within the previously delineated slope stability leave area, is a dry, unchannelized swale that meets bedrock hollow criteria.
- **Rx**: No additional recommendations to proposed leave area; this site is not in the proposed unit.

**Site 10  Np13 and adjacent slopes:**
Slopes above the left bank are planar to divergent. Old growth stumps are abundant. Very dry with rocky soils. No soil creep. Downslope, the channel is slightly entrenched and exhibits inner gorge morphology with bedrock outcrops confining the channel. No stream flow here. Further downslope there does not appear to be connectivity as there is no defined channel or swale.
- **Rx**: None. Not currently in proposed unit. No erosion hazard concerns, so yarding across these slopes is acceptable.

**Site 11  100' rock scarp:**
Below the unit here is an approximately 100-foot high rock scarp, the result of a rockslide that appears to have occurred after 2005 and prior to the 2009 Google Earth imagery. Assuming it was storm-induced, it likely occurred during the same event that triggered the open slope rockslide at Site 5. Above the rock scarp, toward the unit, are 20-35% gradient slopes with no obvious surface flow pathways to the scarp. The site is dry with no streams, seeps, or springs.
- **Rx**: None above the crown of the rockslide. Slopes are gentle and do not meet RIL criteria.
Limitations
This report was prepared for Weyerhaeuser Company for use in the determination of channel migration or slope stability hazard and risk from potential harvest operations or road construction activities. My interpretations are based on a field reconnaissance of the site that was performed in a manner consistent with similar investigations done by other qualified professionals. The areas visited in the field have been identified and the observations indicate surface conditions only at those specific locations. No subsurface data were collected during this investigation.

If, during harvest and road planning, conditions are found which differ significantly from those presented here, alert me at once so that my recommendations can be reviewed and revised, if necessary. I cannot be responsible for construction or forest management activity on other sites which neighbor or adjoin the property referenced in this report.

Ted Turner, R.G., L.E.G.
Topography, prescriptions, and field observation sites

MU 13552
Engineer W. Worden
S.T.R. Sec. 8; T28N; R9E

Figure 1 of 5
Unit boundary (approx.)

46: Oso-Getchell-Rock outcrop complex gravelly loams, 65-90% slopes
53: Potchub-Hartnit complex silt loams, 15-30% slopes
79: Verlot mucky silt loams, 3-25% slopes
## Appendix A. Water Type Classification Worksheet
### Western Washington

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Date(s) Observed: Summer 2018</td>
<td>Date(s) Observed: Summer 2018</td>
<td>Date(s) Observed: Summer 2018</td>
</tr>
</tbody>
</table>

1. Did you determine fish use as described in the Forest Practices Board Manual Section 13? Or, does the stream have waiver characteristics? *(See WAC 222-16-031(3)(b)(ii))*
   - No. Continue
   - Yes. Attach documentation or approved WTMF number:
     - Fish found. Type F water. Stop.
     - No fish. Continue.
     - Yes. Meets waiver criteria. Continue to 6.

2. Were fish observed or are fish known to use the stream any time of the year?
   - Yes. Type F water. Stop.
   - No. Continue.

3. Is there an impoundment (ponded water) upstream of the assessed segment that is greater than 0.5 acres?
   - Yes. Type F water. Stop.
   - No. Continue.

4. Are there segments within or upstream of the assessed portion of the stream where the average bankfull width is two feet or greater? AND, is the average stream gradient less than or equal to 16%?
   - Yes. Type F water. Stop.
   - No. Continue.

5. Are there segments within or upstream of the assessed portion of the stream where the average bankfull width is two feet or greater? AND, is the average stream gradient between 16% and 20%? AND, is the contributing basin to the stream greater than 50 acres?
   - Yes. Type F water. Stop.
   - No. Continue.

6. Does the stream segment contain water at all times during a normal rainfall year?
   - Yes. Type Np water. Go to 9.
   - No. Continue.

7. Is the stream segment downstream of a perennial source of water?
   - Yes. Type Np water. Go to 9.
   - No. Continue.

8. Is the stream physically connected by an above-ground channel to Type S, F, or Np water?
   - Yes, Type Ns water.
   - No, non-typed water.

9. Describe how you determined the uppermost point of perennial flow. Include a description of its location and show the point on a map (Use a separate piece of paper if necessary).
   - Stream/Segment ID: Np1-Np4 channel/flow continued beyond property ownership
   - Stream/Segment ID: Np5,Np7,Np8,Np9,Np13 walked channel to end of channel and flow
   - Stream/Segment ID: Np14-15,Np17-18,Np28 walked to end of flow, continued to end of channel
Appendix A. Water Type Classification Worksheet
Western Washington

Stream/Segment ID: Ns1-Ns9
Date(s) Observed: Summer 2018

1. Did you determine fish use as described in the Forest Practices Board Manual Section 13? Or, does the stream have waiver characteristics? [See WAC 222-16-031(3)(b)(iii)]

☐ No. Continue
☐ Yes. Attach documentation or approved WTMF number:

☐ Fish found. Type F water. Stop.
☐ No fish. Continue.
☐ Yes. Meets waiver criteria. Continue to 6.

2. Were fish observed or are fish known to use the stream any time of the year?

☐ Yes. Type F water. Stop.
☐ No. Continue.

3. Is there an impoundment (ponded water) upstream of the assessed segment that is greater than 0.5 acres?

☐ Yes. Type F water. Stop.
☐ No. Continue.

4. Are there segments within or upstream of the assessed portion of the stream where the average bankfull width is two feet or greater? AND, is the average stream gradient less than or equal to 16%?

☐ Yes. Type F water. Stop.
☐ No. Continue.

5. Are there segments within or upstream of the assessed portion of the stream where the average bankfull width is two feet or greater? AND, is the average stream gradient between 16% and 20%? AND, is the contributing basin to the stream greater than 50 acres?

☐ Yes. Type F water. Stop.
☐ No. Continue.

6. Does the stream segment contain water at all times during a normal rainfall year?

☐ Yes. Type Np water. Go to 9.
☐ No. Continue.

7. Is the stream segment downstream of a perennial source of water?

☐ Yes. Type Np water. Go to 9
☐ No. Continue.

8. Is the stream physically connected by an above-ground channel to Type S, F, or Np water?

☐ Yes. Type Ns water.
☐ No, non-typed water.

9. Describe how you determined the uppermost point of perennial flow. Include a description of its location and show the point on a map (Use a separate piece of paper if necessary).

Stream/Segment ID: Stream/Segment ID: Stream/Segment ID:

Channel connects back into another Np upslope
Appendix A. Water Type Classification Worksheet
Western Washington

Stream/Segment ID: Np7a, Np8a, Np19a
Date(s) Observed: summer 2018

1. Did you determine fish use as described in the Forest Practices Board Manual Section 13? Or, does the stream have waiver characteristics? [See WAC 222-16-031(3)(b)(iii)]
   - [x] No. Continue
   - [ ] Yes. Attach documentation or approved WTMF number:
   - [ ] Fish found. Type F water. Stop.
   - [ ] No fish. Continue.
   - [ ] Yes. Meets waiver criteria. Continue to 6.
   - [x] No. Continue
   - [ ] Yes. Attach documentation or approved WTMF number:
   - [ ] Fish found. Type F water. Stop.
   - [ ] No fish. Continue.
   - [ ] Yes. Meets waiver criteria. Continue to 6.
   - [ ] No. Continue
   - [ ] Yes. Attach documentation or approved WTMF number:
   - [ ] Fish found. Type F water. Stop.
   - [ ] No fish. Continue.
   - [ ] Yes. Meets waiver criteria. Continue to 6.

2. Were fish observed or are fish known to use the stream any time of the year?
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.

3. Is there an impoundment (ponded water) upstream of the assessed segment that is greater than 0.5 acres?
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.

4. Are there segments within or upstream of the assessed portion of the stream where the average bankfull width is two feet or greater? AND, is the average stream gradient less than or equal to 16%?
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.

5. Are there segments within or upstream of the assessed portion of the stream where the average bankfull width is two feet or greater? AND, is the average stream gradient between 16% and 20%? AND, is the contributing basin to the stream greater than 50 acres?
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.
   - [x] Yes. Type F water. Stop.
   - [ ] No. Continue.

6. Does the stream segment contain water at all times during a normal rainfall year?
   - [x] Yes. Type Np water. Go to 9.
   - [ ] No. Continue.
   - [x] Yes. Type Np water. Go to 9.
   - [ ] No. Continue.
   - [x] Yes. Type Np water. Go to 9.
   - [ ] No. Continue.

7. Is the stream segment downstream of a perennial source of water?
   - [x] Yes. Type Np water. Go to 9
   - [ ] No. Continue.
   - [x] Yes. Type Np water. Go to 9
   - [ ] No. Continue.
   - [x] Yes. Type Np water. Go to 9
   - [ ] No. Continue.

8. Is the stream physically connected by an above-ground channel to Type S, F, or Np water?
   - [x] Yes, Type Ns water.
   - [ ] No, non-typed water.
   - [x] Yes, Type Ns water.
   - [ ] No, non-typed water.
   - [x] Yes, Type Ns water.
   - [ ] No, non-typed water.

9. Describe how you determined the uppermost point of perennial flow. Include a description of its location and show the point on a map (Use a separate piece of paper if necessary).
   - [ ] Stream/Segment ID: Np7a, Np8a, Np19a
   - [ ] channel connects back into another Np stream upslope
   - [ ] Stream/Segment ID: Np16-16a, Np19-19a
   - [ ] channel connects to end of channel and flow
   - [ ] Stream/Segment ID: Np16-16a, Np19-19a
   - [ ] channel connects to end of channel and flow

281799
Marbled Murrelet Form  
Western Washington Forest Practices Application/Notification

Complete this form only if you are harvesting timber (including salvage) or constructing roads. Do not complete this form if you have an HCP for marbled murrelets.

Answer every question.

1. ☒ No ☐ Yes  For this FPA/N, has a protocol survey(s) been completed that includes:
   - Harvest units (and within 300 ft on your ownership), or
   - Salvage units (and within 300 ft on your ownership), or
   - Any area of proposed road construction (and within 300 ft on your ownership)?

   If ‘Yes’, fill out the table and check the appropriate findings below.

<table>
<thead>
<tr>
<th>Survey ID (Name or Unit #)</th>
<th>Township, Range, &amp; Section</th>
<th>Survey was approved by WDFW (Attach approval letter from WDFW)</th>
<th>Survey was disapproved by WDFW and is being resubmitted with this FPA/N (Explain below)</th>
<th>Survey has been submitted to WDFW and survey approval is unknown (Explain below)</th>
<th>Survey is complete but has not yet been submitted to WDFW (Submit survey with FPA/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
<td>☐ Occupancy ☐ Presence ☐ No Detections</td>
</tr>
</tbody>
</table>

   Explanation:

2. ☒ No ☐ Yes ☐ Unknown  Will you harvest, salvage, or construct roads within 0.25 miles of an occupied site?

3. ☒ No ☐ Yes ☐ Unknown  Will you fly helicopter(s) over or within 0.25 miles of an occupied site?

4. ☒ No ☐ Yes  Will you harvest live trees in a buffer of an occupied site?

   If Yes, describe the leave trees and buffer widths you will leave. NOTE: If you leave less than required in WAC 222-16-080(1) (j) (v) this is a Class IV-Special and an Environmental Checklist is required.

   Description of managed buffers:

Form QQ46 (05-14-05) 1 of 2
5. ☒ No ☐ Yes  Are there nesting platforms within any harvest unit (including salvage and road construction) that are within 300 feet that:
   - Are not located within a surveyed area, and;
   - Have a minimum of 2 platforms per acre, and;
   - Are located within 7 or more acres of contiguous habitat, and;
   - Have a least 40% (number not volume) of the dominant and co-dominant trees made up of Douglas-fir, western hemlock, western red cedar, or Sitka spruce?

   *If "Yes", complete the table below for those areas.*

<table>
<thead>
<tr>
<th>Name or # (as shown on map) of delineated stands of contiguous habitat</th>
<th>Delineated stand acres</th>
<th>Nesting platforms per acre</th>
<th>Number of trees 32 inches dbh or greater with platforms</th>
<th>Platform Assessment Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Sampling Method, Sample Plot Method, 100% Cruise Method, Inventory Model Method, or Other</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. ☐ No ☒ Yes  Are there areas within this forest practice or within 300 feet that:
   - Are not surveyed, and;
   - Are not listed in question 5, and;
   - Have trees that are at least 32 inches dbh

   *If "Yes", list the forest practice unit numbers from your activity map. Provide brief description of current stand conditions. Such as tree species composition, stand age (if known), and maximum tree size (dbh).*

   Harvest Unit #(#s) ________ 1 ____________________________________________________________
   - Within the Unit ☐ Within 300 feet of the Unit ☒

   Description:
   There are some scattered 32"+Doug-fir, western redcedar, and hemlock up to about 45" DBH in steep leave areas west of the harvest unit.

   Harvest Unit #(#s) ____________________________________________________________
   - Within the Unit ☐ Within 300 feet of the Unit ☒

   Description:

   Harvest Unit #(#s) ____________________________________________________________
   - Within the Unit ☐ Within 300 feet of the Unit ☒

   Description:

7. If you answered yes to question 1, 4, or 5, include a map (separate from your map that shows your harvest units and/or road construction) See the instructions for the information required or each map.
Forest Practices Application/Notification
Notice of Decision

FPA/N No: 2817226
Effective Date: 11/1/2019
Expiration Date: 11/1/2022
Shut Down Zone: 658
EARR Tax Credit: [x] Eligible [ ] Non-eligible
Reference: No Excuses Harvest

Decision
[ ] Notification Operations shall not begin before the effective date.
[x] Approved This Forest Practices Application is subject to the conditions listed below.
[ ] Disapproved This Forest Practices Application is disapproved for the reasons listed below.
[ ] Closed Applicant has withdrawn FPA/N.

FPA/N Classification
[ ] Class II [x] Class III [ ] Class IVG [ ] Class IVS

Number of Years Granted on Multi-Year Request
[ ] 4 years [x] 5 years

Conditions on Approval / Reasons for Disapproval
No yarding corridor within 20' of the untaped stream located just south of site 3 identified in the additional geological report submitted by the applicant.

FOR YOUR INFORMATION:
Please notify DNR Northwest Region Office (360-856-3500) 48 business hours before commencing timber harvest operations. Please provide the application number and legal description for your operation.

Issued By: ______________________________ Steven Huang ______________________________
Title: ______________________________ Skykomish Forest Practice Forester
Region: ______________________________ Northwest
Date: ______________________________ 11/1/2019
Copies to: [x] Landowner, Timber Owner and Operator.
Issued in person: [ ] Landowner [ ] Timber Owner [ ] Operator By: ______________________________
Appeal Information
You have thirty (30) days to appeal this Decision and any related State Environmental Policy Act determinations to the Pollution Control Hearings Board in writing at the following addresses:
Physical address: 1111 Israel Rd. SW, Ste 301, Tumwater, WA 98501
Mailing address: P.O. BOX 40903, OLYMPIA, WA 98504-0903
Information regarding the Pollution Control Hearings Board can be found at: http://www.eluho.wa.gov/
At the same time you file an appeal with the Pollution Control Hearings Board, also send a copy of the appeal to the Department of Natural Resources’ region office and the Office of the Attorney General at the following addresses:

Office of the Attorney General
Natural Resources Division
1125 Washington Street SE
PO Box 40100
Olympia, WA 98504-0100

Department Of Natural Resources
Northwest Region
919 N Township St
Sedro-Woolley WA 98284

Other Applicable Laws
Operating as described in this application/notification does not ensure compliance with the Endangered Species Act, or other federal, state, or local laws.

Transfer of Forest Practices Application/Notification (WAC 222-20-010)
Use the “Notice of Transfer of Approved Forest Practices Application/Notification” form. This form is available at region offices and on the Forest Practices website: http://www.dnr.wa.gov/businesspermits/forestpractices.
Notify DNR of new Operators within 48 hours.

Continuing Forest Land Obligations (RCW 76.09.060, RCW 76.09.070, RCW 76.09.390, and WAC 222-20-055)
Obligations include reforestation, road maintenance and abandonment plans, conversions of forest land to non-forestry use and/or harvest strategies on perennial non-fish habitat (Type Np) waters in Eastern Washington.
Before the sale or transfer of land or perpetual timber rights subject to continuing forest land obligations, the seller must notify the buyer of such an obligation on a form titled “Notice of Continuing Forest Land Obligation”. The seller and buyer must both sign the “Notice of Continuing Forest Land Obligation” form and send it to the DNR Region Office for retention. This form is available at DNR region offices.
If the seller fails to notify the buyer about the continuing forest land obligation, the seller must pay the buyer’s costs related to continuing forest land obligations, including all legal costs and reasonable attorneys’ fees incurred by the buyer in enforcing the continuing forest land obligation against the seller.
Failure by the seller to send the required notice to the DNR at the time of sale will be prima facie evidence in an action by the buyer against the seller for costs related to the continuing forest land obligation prior to sale.

DNR affidavit of mailing:

On this day 11/1/19, I placed in the United States mail at Sedro-Woolley, WA, postage paid, a true and accurate copy of this document. Notice of Decision FPA # 2817226

L Ulgard
(Printed name)

(Signature)
Revisions to FPA/N _2817226__________

<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/24/2020</td>
<td>Transfer Form</td>
<td>Change of Operator</td>
</tr>
</tbody>
</table>
Forest Practices Application/Notification
NOTICE OF TRANSFER

I/we transfer my/our rights, privileges, and obligations under this approved Forest Practices Application or Notification. I/we affirm that the information contained below is true and agree to comply with the rules authorized by the Forest Practices Act and be bound by all conditions on the approved application or notification.

FPA/N Number: 2817276  Section(s): 8  Township: 25  Range: 9

Original Landowner (Signature): [Signature]

Original Landowner (Printed): Weyerhaeuser Company  Date: 3/19/2020

| New Operator – Complete this section only if you are: |
|-----------------|-----------------|
| ☑ Changing an operator for:  | Timber harvest  |
| ☐ Adding an operator for:  | Road construction  |
| ☐ Road construction  | Aerial spray  |
| ☐ Aerial spray  | Timber harvest  |

Legal Name of New Operator: (Print)  Mark Timber
Phone: 509-870-6656
Email: Mark@marcontimber.com
Mailing Address: 5538 Campbell Road  Peshastin, WA 98847
New Operator Signature: [Signature]  Date: 3/19/2020

| New Landowner – Complete this section only if you are transferring your FPA to a new landowner |
|-----------------|-----------------|
| ☑ No  ☐ Yes Are you a small forest landowner per RCW 76.09.450 (if yes, continue to question below) |
| ☑ No  ☐ Yes Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcel(s)? |

Legal Name of New Landowner: (Print)
Mailing Address:  
Phone:  
Email:  
New Landowner Signature:  
Date:  

| New Timber Owner – Complete this section only if you are transferring your timber rights |
|-----------------|-----------------|
| Legal Name of Timber Owner: (Print)  |
| Mailing Address:  |
| Phone:  |
| Email:  |
| Forest Tax Reporting Account Number: (Contact Dept. of Revenue at: 1-800-548-8829) 800 070 834  |
| Date:  |
| New Timber Owner Signature:  |

☑ Received by: [Signature]  Date: 3/24/2020

(DNR Forest Practices Staff Signature)  11/01/2017