## Forest Practices Application/Notification
### Office Checklist Page 1
#### Northwest Region

<table>
<thead>
<tr>
<th>FPA/N CLASSIFICATION:</th>
<th>Biomass [ ]</th>
<th>FFPP [ ]</th>
<th>20-acre exempt [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL II</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landowner Name:</th>
<th>Project Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNR</td>
<td>Lognut</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WRIA: Squalicum</th>
<th>WAU: Cheney Creek</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIA:</td>
<td>WAU: Squalicum</td>
</tr>
<tr>
<td>WRIA:</td>
<td>WAU:</td>
</tr>
</tbody>
</table>

| Activity Type: | Harvest 182.6 ac Spray ________ ac Stream Crossing(s) 8 Road Construction 10,046 ft Abandonment 17,636 ft |
|----------------|---------------------------------------------------|--------------------------|
| Road Abandonment | Road Abandonment | Rock Pit 12 ac |

### ALTERNATIVE PRESCRIPTIONS

- [ ] 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)
- [ ] SLSTAB
- [ ] Landslide Hazard Zonation
- [ ] Landslide Inventory Polygon
- [ ] Rain-on-Snow and Outside Approved WA
- [ ] Hydric Soils
- [ ] Wetland [ ] Forested, [ ] A, [ ] B
- [ ] In WMZ of [ ] A, or [ ] B Wetland
- [ ] In RMZ/EL of Type X5, X6, [ ] N water
- [ ] Water Verification

### ASSOCIATED NON-SCANNED DOCUMENTS — On file with the FPA/N at the Region office.

- [ ] SEPA Checklist/Documents
- [ ] Associated Scanned Documents

<table>
<thead>
<tr>
<th>ASSOCIATED SCANNED DOCUMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Conversion Option Harvest Plan</td>
</tr>
<tr>
<td>[ ] FHP Plans &amp; Specifications</td>
</tr>
<tr>
<td>[ ] Qualified Expert Report; Type: Geo-Tech</td>
</tr>
<tr>
<td>[ ] Natural Regeneration Plan</td>
</tr>
<tr>
<td>[ ] Shoreline Permit</td>
</tr>
<tr>
<td>[ ] Marbled Murrelet Form</td>
</tr>
<tr>
<td>[ ] FPBM Appendix(s)</td>
</tr>
<tr>
<td>[ ] Small Landowner RMAP Checklist</td>
</tr>
<tr>
<td>[ ] CMZ Assessment Form</td>
</tr>
</tbody>
</table>

### EARR Tax Credit
- [ ] Yes [ ] No

### ADDITIONAL COMMENTS:

- [ ] Hardwood Conversion Form
- [ ] Wetland Mitigation Plan
- [ ] Water Protocol Surveys
- [ ] Modification Form#
- [ ] Water Classification Worksheet
- [ ] Shade Documentation (Stream Shade Assessment Worksheet)
- [ ] Watershed Analysis Worksheet
- [ ] DFC Printout
- [ ] Slope Stability Informational Form

Form completed by [Signature]
October, 2016 Version
**Forest Practices Application/Notification**  
Western Washington

PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS APPLICATION. TYPE OR PRINT IN INK.

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

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Name of LANDOWNER</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Department of Natural Resources (if different than Landowner)</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Mailing Address:</td>
<td>919 N. Township St.</td>
</tr>
<tr>
<td>City, State, Zip</td>
<td>Sedro-Woolley, WA 98284</td>
</tr>
<tr>
<td>Phone</td>
<td>(360) 856-3500</td>
</tr>
<tr>
<td>Email</td>
<td>[Redacted]</td>
</tr>
</tbody>
</table>

2. **Contact Person**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Person:</td>
<td>Laurie Bergvall</td>
</tr>
<tr>
<td>Phone</td>
<td>(360) 856-3500</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:laurie.bergvall@dnr.wa.gov">laurie.bergvall@dnr.wa.gov</a></td>
</tr>
</tbody>
</table>

3. **Landownership information: See instructions**

   **RECEIVED NW REGION**  
   OCT 31, 2016

   a. ☑ No ☐ Yes  Are you a small forest landowner per RCW 76.09.450?  
      If yes, continue to b.

   b. ☑ No ☐ Yes  Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcels?

4. **If you are harvesting timber, enter the Forest Tax Reporting Account Number of the Timber Owner:**  
   [Redacted]

   For tax reporting information or to receive a tax number, call the Department of Revenue at 1-800-548-8829.

5. **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 on file at the Region office.  
   See HCP Attached
6. 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>06, 07</td>
<td>28</td>
<td>09</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
<tr>
<td>12</td>
<td>28</td>
<td>08</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
<tr>
<td>13</td>
<td>28</td>
<td>08</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
<tr>
<td>15</td>
<td>28</td>
<td>08</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
<tr>
<td>14</td>
<td>28</td>
<td>08</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
</tbody>
</table>

*Does not include legal description for pre-haul maintenance; it is not a Forest Practices activity.

7. When are you planning to begin work on the proposed activity? In 6+ months

8. Is the taxpayer eligible for the EARR Tax Credit?
   - [ ] No
   - [X] Yes

9. Have you reviewed this forest practices activity area to determine whether it may involve historic sites and/or Native American cultural resources? Read the instructions before answering this question.
   - [ ] No
   - [X] Yes
   - [ ] See FPA Narrative

10. Do you have a DNR approved Road Maintenance and Abandonment Plan (RMAP)?
   a. [ ] No
   - [X] Yes
   - List the RMAP number: R2800010L
   - If no, continue to b.
   b. [ ] No
   - [X] Yes
   - Is a Checklist RMAP required (see instructions)?

11. Are there potentially unstable slopes or landforms in the area of your forest practices activity?
   - [X] No
   - [ ] Yes
   - - attach Slope Stability Informational Form. If applicable, attach geotechnical report, the SEPA Environmental Checklist, HCP, or Watershed Analysis prescriptions.

12. Are there potentially unstable slopes or landforms around the area of your forest practices activity?
   - [ ] No
   - [X] Yes
   - - attach Slope Stability Informational Form. If applicable, attach geotechnical report, HCP, or Watershed Analysis prescriptions.

13. Is this forest practice application/notification (answer every question):
   a. [X] No
   - [ ] Yes
   - Within city limits or inside an urban growth area? If yes, see instructions for additional required documents.
   b. [ ] No
   - [X] Yes
   - For road work that is included in an approved Road Maintenance and Abandonment Plan (RMAP)?
   c. [X] 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.
   d. [X] No
   - [ ] Yes
   - Within 500 feet of a public park? Park name: __________________________
   e. [X] 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.
   f. [ ] No
   - [X] Yes
   - Within 200' 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.
   g. [X] 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.

6/1/2016

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Western Washington
You are required to verify Type Np and Ns water types within 200 feet of your proposed forest practices activities prior to submitting a Forest Practices Application / Notification. Use the Additional Information section, additional pages, 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.

Prior to answering Questions 14-17 in this section please refer to the Forest Practices Application Instructions and Forest Practices Board Manual Section 5.

14. Are you proposing any of the following projects NOT permitted by current HPAs from WDFW?
   a. ☒ 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. ☒ 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. ☒ No ☐ Yes Placing fill material within the 100-year flood level of unconfined streams in Type S or F water(s)?

15. Have you consulted with DNR and/or WDFW about the proposed hydraulic project(s) in or over Type S or F water? ☐ No ☒ Yes

16. If installing, replacing, removing, or maintaining structures in or over any typed water, complete the table below. Type S and F waters require detailed plan information. Provide plan details in Question 31 or attach plan to the FPA/N. Provide crossing locations and identifiers on your Activity Map. A detailed plan with profiles may also be required for more complex hydraulic projects in Type N Waters per WAC 222-24-042(2).

<table>
<thead>
<tr>
<th>Crossing Identifier (letter and/or number)</th>
<th>Water Type (S, F, Np, Ns)</th>
<th>Existing HPA Number (if applicable)</th>
<th>HPA Expiration Date (if applicable)</th>
<th>Planned Activity (installation, removal, maintenance)</th>
<th>Structure (culvert, bridge, flood...</th>
<th>Proposed Size (dimensions of structure)</th>
<th>Culvert Design Method (no-slope, stream, others)</th>
<th>Channel Bed Width (ft)</th>
<th>Stream Gradient (%)</th>
<th>RMAP Project (Y or N)</th>
<th>FPP Project (Y or N)</th>
</tr>
</thead>
<tbody>
<tr>
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</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 equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain endangered or threatened fish species. For more information, see 'Background for the State's Incidental Take Permits for certain endangered and threatened fish species' following Question 24 of the FPA/N Instructions.
17. If conducting any of the following activities in or over typed water, complete the table below. Some activities will require identifiers on the Activity map and/or more information in Question 31. See instructions.

<table>
<thead>
<tr>
<th><em>Activity</em></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></td>
<td></td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Suspending Cables</td>
<td></td>
<td></td>
<td>x</td>
<td>x</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 31)</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 equipment crossings on Type Sand F Waters may result in an unauthorized incidental take of certain endangered or threatened fish species. For more information, see 'Background for the State’s Incidental Take Permits for certain endangered and threatened fish species’ following Question 24 of the FPA/N Instructions.

18. If constructing or abandoning forest roads, complete the table below. Show the road locations and identifiers on the Activity Map. Include abandonment plans for 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>See FPA Narrative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Construction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Reconstruction</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

19. 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>SP-ML</td>
<td>1000</td>
<td>SP-0202 Hard Rock Pit</td>
<td></td>
<td>0.2</td>
</tr>
<tr>
<td>SP-0205</td>
<td>2000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

20. If operating in or within 200 feet of a wetland, complete the table below. Show the boundaries of each wetland, along with its identifier, and WMZ on the Activity Map. See instructions for information.

<table>
<thead>
<tr>
<th>Wetland Identifier (number, letter)</th>
<th>Wetland Type (A, B, or Forested)</th>
<th>Planned Activities in Wetland</th>
<th>Planned Activities in Maximum Width WMZ</th>
<th>Total Wetland Area (acres)</th>
<th>How many acres will be drained?</th>
<th>How many acres will be filled?</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Aquatics Addendum</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 29 ****
21. 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, Lead-end Suspension Cable, Helicopter, Animal, Chipper-forwarder, Slash Bundler)</th>
<th>Acres to be Harvested</th>
<th>Volume to be Harvested (mbf)</th>
<th>Volume to be Harvested (biomass 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, Right-of-Way</td>
<td>N</td>
<td>Ground, Cable</td>
<td>26.2</td>
<td>980</td>
<td>--</td>
<td>95</td>
<td>80</td>
</tr>
<tr>
<td>2**</td>
<td>Even-aged, Right-of-Way</td>
<td>N</td>
<td>Ground, Cable</td>
<td>80.9</td>
<td>3,199</td>
<td>--</td>
<td>95</td>
<td>195</td>
</tr>
<tr>
<td>3**</td>
<td>Even-aged, Right-of-Way</td>
<td>N</td>
<td>Ground, Cable</td>
<td>75.5</td>
<td>1,505</td>
<td>--</td>
<td>95</td>
<td>66</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>182.6</td>
<td>5,684</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

22. Reforestation. Check the appropriate box(es).

☐ Planting. Tree Species: Douglas-fir, western redcedar

☐ 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 it.

☐ Road right-of-way or rock pit development harvest only.

* * * * If you own MORE than 80 forested acres in Washington, skip to Question 27 * * * *

23. Are you using the exempt 20-acre parcel riparian management zone (RMZ) rule on type S, F, or Np waters?

☐ No If no, continue to Question 27.

☐ Yes If yes, continue to Question 24. See instructions for qualifications and information.

24. Choose the answer below that best fits your situation. Show all RMZs on the Activity Map.

☐ a. ALL of the following apply to me and my land: (If no, answer b.)

☐ Between June 5, 2006 and today's date I have always owned less than 80 acres of forestland in Washington.

☐ Between June 5, 2006 and today's date this parcel has always been 20 acres or less of contiguous ownership. See RCW 76.09.020 for definition of 'contiguous'.

☐ Between June 5, 2006 and today's date this parcel has always been owned by me or someone else that has owned less than 80 acres of forestland in Washington.
b. ONE OR MORE of the following apply to me and/or my land (check all that apply):

☐ I currently own more than 80 acres of forestland in Washington.

☐ Between June 5, 2006 and today’s date I have owned more than 80 acres of forestland 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 any of the statements in (b) above apply AND you use the 20-acre exempt RMZ rule, you are NOT authorized under the State’s Incidental Take Permits (see explanation in FPA instructions under Questions 24).

25. 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 how stream shade was determined to be met, using the ‘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>Maximum RMZ Width (feet)</th>
<th>Are you harvesting within the maximum RMZ? (Y or N)</th>
</tr>
</thead>
</table>

26. Are you harvesting within 29 feet of a Type Np water on a 20-acre exempt parcel?

☐ No  Continue to Question 29.

☐ Yes  See instructions and describe leave tree strategy in Question 31. Then continue to Question 29.

27. If harvesting within 200 feet of any of Type S or F water, complete the table below. Include 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 how stream shade was determined to be met, using the ‘Stream Shade Assessment Worksheet’ if necessary.

<table>
<thead>
<tr>
<th>Stream Segment Identifier (letter)</th>
<th>Water Type (S or F)</th>
<th>Site Class (I - V)</th>
<th>Stream Width (feet)</th>
<th>Is there a CMZ? (Y/N)</th>
<th>RMZ Harvest Code(s) (see instructions)</th>
<th>DFC Run Number</th>
<th>Total width of RMZ (feet)</th>
</tr>
</thead>
</table>

**See Aquatics Addendum**
28. 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>See Aquatics Addendum</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

29. How are the following marked on the ground? (Flagging, paint, road, fence, etc.)

- **Harvest Boundaries**: See FPA Narrative
- **Clumped Wildlife Reserve Trees/Green Recruitment Trees**: Yellow "Leave Tree Area" Tags and Blue Paint
- **Right-of-way limits/road centerlines**: Centerlines marked with wooden stakes, limits tagged out w/Orange ROW Tags
- **Stream Crossing Work**: To be flagged by operator, then approved by State lands Contract Administrator with consultation of FP Forester.
- **Riparian Management Zone Boundaries and Leave/Take Trees**: N/A
- **Channel Migration Zone**: Not marked, however Timber Sale Tags for RMZ are a site index distance off the CMZ
- **Wetland Management Zone Boundaries and Leave/Take Trees**: N/A

30. Are you converting the land to non-forestry use within 3 years of harvest?  
[x] No  [ ] Yes  If yes, include your SEPA Determination and/or SEPA checklist.

31. 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.

See attached FPA Narrative.
32. 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 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 LANDOWNER</th>
<th>Signature of TIMBER OWNER*</th>
<th>Signature of OPERATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(If different than landowner)</td>
<td>(If different than landowner)</td>
</tr>
<tr>
<td>Print Name: Hollis Greppe</td>
<td>Print Name:</td>
<td>Print Name:</td>
</tr>
<tr>
<td>Date: 9/6/16</td>
<td>Date:</td>
<td>Date:</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.
FPA Narrative

This proposed activity is being conducted on lands covered by the Department’s multi-species HCP. These planned activities are consistent with our approved HCP dated September 1997 and associated Incidental Take Permits. See the attached HCP checklist for habitats and species both covered by our HCP agreement and specifically addressed with this proposal. Additionally, attached are DNR proprietary HCP/FPA substitute Addendums for Aquatic Resources, Northern Spotted Owl and Marbled Murrelets. This proposal also complies with the letter of agreement dated February 23, 2007 between DNR state lands and the US Fish and Wildlife Service.

Question #9:
A field and office review was conducted by a State Lands cultural resource technician on July 18, 2016 and no cultural or historic resources were identified within the proposal area. The Tulalip Tribes, Stillaguamish Tribe of Indians, and Snoqualmie Indian Tribe were contacted on July 20, 2016. The Stillaguamish Tribe responded with no interest. No other response has yet to be received.

If any cultural resources are discovered during forest activity operations, a DNR archaeologist will be notified and will follow the department’s “Cultural Resources Inadvertent Discovery Guidelines” procedure.

Question #16:
If installing, replacing, removing or maintaining structures in or over any typed water, complete the table below. Type S and F waters require detailed plan information. Provide plan details in number 31 or attach plan to the FPA/N. Provide crossing locations and identifiers on your Activity Map. (A detailed plan with profiles may also be required for more complex hydraulic projects in Type N Waters per WAC 222-24-042(2)).

<table>
<thead>
<tr>
<th>Crossing Identifier (letter and/or number)</th>
<th>Water Type (S, F, No.)</th>
<th>Existing HPA Number (if applicable)</th>
<th>Expiration Date (if applicable)</th>
<th>Planned Activity (install, remove, temporary, structure maintenance)</th>
<th>Structure (culvert, bridge, ford**, punch stem, arch, other)</th>
<th>Proposed Size (dimensions of structure)</th>
<th>Culvert Design Method (No-slip, Stream-san, Hydraulic, Other)</th>
<th>Channel Bed Width (ft)</th>
<th>Stream Gradient (%)</th>
<th>RMAP Project (Y or N)</th>
<th>FESPP Project (Y or N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP-ML 23+00</td>
<td>3</td>
<td>N/A</td>
<td></td>
<td>Replace Bridge 40' span</td>
<td>N/A</td>
<td>11.2'</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SP-ML 110+57</td>
<td>5</td>
<td>N/A</td>
<td></td>
<td>Temporary Culvert 24x40</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SP-ML 111+02</td>
<td>4</td>
<td>N/A</td>
<td></td>
<td>Temporary culvert 48x48</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SP-ML 111+63</td>
<td>4</td>
<td>N/A</td>
<td></td>
<td>temporary culvert 48x48</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SP-ML 112+37</td>
<td>4</td>
<td>N/A</td>
<td></td>
<td>temporary culvert 30x40</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</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 equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain endangered or threatened fish species. For more information, see ‘Background for the state’s Incidental Take Permits for certain endangered and threatened fish species’ following number 24 of the FPA/N Instructions.

**Question #17:**
Further information relating to question 17:
Type 5 stream crossings by ground-based equipment shall be as close to perpendicular as possible and may require log cribbing, culvert installation, or other approved methods to be in place to protect channels and banks. Timber will be fallen and yarded away from all streams when possible. In order to achieve adequate deflection, cables may be suspended over type 5 streams. If yarding occurs over type 5 streams, lead end of logs will be suspended over streams.

**Question #18:**
Any roads to be built then abandoned (also know as temporary road) that are listed in the table for Question #18, are “optional construction roads”. Of the length listed in the table, zero feet up to the entire length listed may be built. For further information please see the road plan associated with the timber sale, on file at the Northwest Region Office.

<table>
<thead>
<tr>
<th>Road Identifier (Name, Number)</th>
<th>Road Construction</th>
<th>Abandonment Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length (feet)</td>
<td>Steepest Side-slope (%)</td>
</tr>
<tr>
<td>SP-ML*</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>CSB-40</td>
<td>1792</td>
<td>25</td>
</tr>
<tr>
<td>CSB-4015</td>
<td>2332</td>
<td>25</td>
</tr>
<tr>
<td>CSB-82</td>
<td>525</td>
<td>35</td>
</tr>
<tr>
<td>SP-ML</td>
<td>1170</td>
<td>50</td>
</tr>
<tr>
<td>SP-02</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SP-10</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SP-0200</td>
<td>1234</td>
<td>65</td>
</tr>
<tr>
<td>SP-0201</td>
<td>681</td>
<td>30</td>
</tr>
<tr>
<td>SP-0203</td>
<td>322</td>
<td>25</td>
</tr>
<tr>
<td>SP-0203-02</td>
<td>695</td>
<td>25</td>
</tr>
</tbody>
</table>
**Question #21:**
Ground-based equipment operations will be limited to sustained slopes 35% or less. In Unit 1, a self-leveling shovel and/or self-leveling harvester may operate on sustained slopes up to 50%.

**Question #29:**
Unit 1 bounded by white "Timber Sale Boundary" tags, the SP-10 road to the west, and young stand to the east.
Unit 2 bounded by white "Timber Sale Boundary" tags, Sultan Basin Road to the North, young stand to the west and central eastern boundary.
Unit 3 bounded by white "Timber Sale Boundary" tags, and the CSB-40 road to the east.

**Question #31:**
Activity Map - Leave Tree locations depicted are approximate. Leave trees may be exchanged or traded to locations other than mapped on the Activity Maps to facilitate operational feasibility. Non-tradable leave trees are marked with two blue bands around the bole.

A pre-app review was conducted by the forest engineer with a representative from forest practices, WDFW, and the Tulalip Tribes concerning the bridge replacement on June 2, 2016. For additional information regarding hydraulic projects in or over S or F water(s) see Bridge Installation Detail attached to engineer’s road plan.

**Bridge Installation:**
All disturbed areas shall be protected from surface erosion. Installation window 7/1 to 9/30. Stream flow will be isolated from work area. The natural stream channel shall be maintained in existing condition. All rip rap shall be placed outside OHWM.
Please refer to the DNR Proprietary HCP Substitution Agreement for Aquatic Resources, 2008. Please check all HCP prescriptions and/or activities, which are relevant to this proposal and describe the management prescriptions and final stand composition at the end of this checklist.

NOTE: When assessing hydrologic maturity for each sub-basin inside the rain-on-snow zone, DNR staff will use the most updated data layer delineating Watershed Administrative Units as designated by Forest Practices.

Assessing Hydrologic Maturity in the Rain-On-Snow (ROS) Zone (Refer to item A in the Agreement Memo). If the activity lies within the ROS zone and subbasin will be managed for ROS, fill out the following table. If within ROS zone, but subbasin will not be managed for ROS, describe why in additional information section below.

<table>
<thead>
<tr>
<th>1. SUB-BASIN NAME</th>
<th>2. TOTAL ROS ACRES (DNR) WITHIN SUB-BASIN</th>
<th>3. HYDRO MATURE TARGET ACRES (2/3 of Column 2)</th>
<th>4. CURRENT DNR SUB-BASIN ACRES IN HYDRO MATURE FOREST IN ROS</th>
<th>5. ACRES OF HYDRO MATURE FOREST TO BE REMOVED AFTER ACTIVITY</th>
<th>6. SUPRLUS (+) OR DEFICIT (-) ACRES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olney Creek Subbasin 6</td>
<td>2331</td>
<td>1554</td>
<td>1603</td>
<td>5.9</td>
<td>43</td>
</tr>
<tr>
<td>Olney Creek Subbasins 1 and 4*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sultan River Subbasin 6*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Wetlands Protection, road construction within wetlands or wetland buffers, requires mitigation. (Refer to item B in the Agreement Memo). If this activity will include road construction within a wetland or WMZ, describe the type of wetland, potential loss of wetland function and how and where the loss of function will be mitigated.

Harvesting within Forested Wetlands. (Refer to items C & E in the Agreement Memo). Describe the remaining stand characteristics within the wetland and map any forested wetlands greater than 3 acres.

Wetland Management Zones. (Refer to item D in the Agreement Memo). Describe the site index and WMZ width. If harvesting within the WMZ, describe the remaining stand characteristics within the WMZ.

Riparian Management Zones for Type 1, 2 and 3 Waters (Refer to item F and Appendix 1 in the Agreement Memo). Describe the site index, RMZ width and if a wind buffer was applied. Describe if the RMZ begins from the outer edge of a CMZ or 100-year floodplain and how they were typed.

Riparian Management Zones for Type 4 and 5 Waters (Refer to item G and Appendix 1 in the Agreement Memo). Describe any special protection for Type 5 waters.

Harvesting or Salvaging within Type 1, 2, 3 and 4 Riparian Management Zones. (Refer to item F-J and Appendix 3 in the Agreement Memo). If harvesting, describe the general
HCP Riparian Forest Restoration Strategy management scenario under which the proposal's riparian stand will be managed. Describe stand treatment including removals, down wood and snag recruitment and type of activities. Describe post-harvest stand; how it meets the management parameters of the general management scenario, what species composition and diameter classes will remain, trees per acre, basal area, relative density. If salvaging, describe how you will be meeting the RDFC conditions, what you will retain and removals and other salvage/restoration conditions described within the Ecosystem Services Section approved site specific restoration plan (and/or attach plan).

Please provide any requested additional information below. If varying from standard HCP guidance, attach concurrence/variance approval from Land Management Division and/or Federal Services and discuss below (e.g. research).

<table>
<thead>
<tr>
<th>Sub-basin</th>
<th>Total Acres</th>
<th>SROS Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olney Creek #6</td>
<td>2,505</td>
<td>357 (14.24%)</td>
</tr>
<tr>
<td>Olney Creek #4</td>
<td>3,179</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>Olney Creek #1</td>
<td>4,421</td>
<td>881 (19.92%)</td>
</tr>
</tbody>
</table>

Wetlands Management Zones: Wetland W1 is a forested wetland greater than 1 Ac, Site Index is 180 feet (calculated from Douglas-fir, the dominant species) and the WMZ averages 180 feet. There is no harvesting within the WMZ.

Mitigation approach for road management activities impacting the small wetland on SP-ML:
- Dry-season construction and abandonment
- Place geotextile and rock on wetland area
- Funnel water from the cut-bank via a ditch through a culvert

Then, during abandonment:
- Remove rock and geotextile
- Remove culvert
- Re-contour road surface to match current shape (including filling of ditch)
- Revegetate using root-wads and wetland seed-mix

For further details see Wetlands Memo from Sabra Hull, dated June 17, 2016.

Riparian Management Zones: Type 3 and type 4 waters will receive no-harvest buffers as shown on the attached table. They were all measured from the edge of the 100-year flood plain.

Type 5 streams will have a 30-foot equipment limitation zone, and all trees are to be felled and...
yarded away perpendicular from streams where feasible.

See the attached table.
### Forest Practices Application/Notification Addendum

**DNR Proprietary HCP, WAC Replacement Summary for Aquatic Resources, 2008**

**Five West-side Planning Units, Excluding the OESF**

<table>
<thead>
<tr>
<th>Stream Segment Identifier or Wetland Identifier</th>
<th>Water Type or Wetland “forested or open water”</th>
<th>Site Class FP Base Map / Other source</th>
<th>Stream Width (feet) or Wetland Size</th>
<th>Is there a RMZ/WMZ?</th>
<th>Thinning RMZ/WMZ?</th>
<th>Total Width of RMZ/WMZ FP width / Actual width (feet)</th>
<th>Wind Buffer? Yes, No (for T-3, 2, 1) or N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>B</td>
<td>4</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>C</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>D</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>E</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>G</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>H</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>I</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>J</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>K</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>L</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>M</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>O</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>P</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
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<tr>
<td>Q</td>
<td>4</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>R</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
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<tr>
<td>T</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>U</td>
<td>4</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>V</td>
<td>4</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>W</td>
<td>3</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>140/162</td>
<td>No</td>
</tr>
<tr>
<td>X</td>
<td>3</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>140/162</td>
<td>No</td>
</tr>
<tr>
<td>Y</td>
<td>4</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>Z</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>AA</td>
<td>3</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>140/162</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<td>---</td>
<td></td>
</tr>
<tr>
<td>BB</td>
<td>5</td>
<td>II</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>CC</td>
<td>5</td>
<td>II</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>DD</td>
<td>5</td>
<td>II</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>EE</td>
<td>5</td>
<td>II</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>GG</td>
<td>5</td>
<td>II</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>HH</td>
<td>5</td>
<td>II</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>II</td>
<td>5</td>
<td>II</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>JJ (Olney Creek)</td>
<td>1</td>
<td>III</td>
<td>&gt;20’</td>
<td>Yes</td>
<td>No</td>
<td>140/162</td>
<td>No</td>
</tr>
<tr>
<td>KK</td>
<td>4</td>
<td>III</td>
<td>&gt;2’</td>
<td>No</td>
<td>No</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>LL</td>
<td>5</td>
<td>III</td>
<td>&lt;2’</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
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</tr>
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<td>II</td>
<td>&gt;1Acre</td>
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</table>

*Variable width averaging 180'*
Memo

To: Forest Practices
From: Annette Mesman
Date: October 31, 2016
Subject: Lugnut FPA

Please see the additional information below, as requested, for the bridge replacement work:

**Description of current conditions:**
The existing road grade drains toward the existing log stringer bridge at less than 5%.
Existing culverts are located within 200' of the bridge on either side and catch basins already exist to interrupt the ditch line within 60' on either side of the bridge.

The reach of the stream shown on the Stream Profile (sheet 39 of the road plan) is 161' in length which is less than the 20xBFW requested by Forest Practices. To address this comment I have attached an additional informational drawing (Stream Profile) that shows a longer reach based on a LiDAR profile of the main channel. The LiDAR profile provides an average stream gradient of 7% in a 422' reach. This is almost 40xBFW.

**Proposed design:**
The proposed bridge replacement may impact road gradient immediately adjacent to the bridge but will not change the drainage plan, alter the existing drainage structures, or impact the channel bed. It will be necessary to remove existing armoring which will be replaced outside the CBW.
STUDEBAKER LOG BRIDGE REPLACEMENT
SP-ML ROAD STATION 23+16
PLAN VIEW

- Existing ditch relief culvert located at STA 21+30
- Remove existing log stringer bridge, install 40' span modular steel bridge on precast concrete footings.

DATE: 9/15/2015
PROJECT: STUDEBAKER BRIDGE REPLACEMENT
SHEET:
FPA NOTES:

STREAM SURVEY PROVIDES 161' REACH. THE SURVEY GIVES AN AVERAGE CHANNEL GRADIENT OF 9.6% AND AN AVERAGE BFW OF 11.2'. BEDROCK IS EXPOSED AT SEVERAL LOCATIONS INCLUDING DIRECTLY BENEATH THE EXISTING STRUCTURE ON THE LEFT BANK.

THE AVERAGE CHANNEL GRADIENT OBTAINED FROM LIDAR FOR A 422' REACH IS 7%.
9-22 ABANDONMENT

- Remove all ditch relief culverts. The resulting slopes must be 1:1 or flatter. Place and compact the removed fill material in a location that will not erode into any Type 1 through 5 waters or wetlands.

- Remove all culverts in natural drainages. The resulting slopes must be 1 1/2 :1 or flatter. Strive to match the existing native stream bank gradient. The natural streambed width must be re-established. Place and compact the removed fill material in a location that will not erode into any Type 1 through 5 waters or wetlands.

- Transport all removed culverts off site. All removed culverts are the property of the Purchaser.

- Construct non-drivable waterbars at natural drainage points and at a spacing that will produce a vertical drop of no more than 20 feet between waterbars and with a maximum horizontal spacing of 400 feet.

- Skew waterbars at least 30 degrees from perpendicular to the road centerline on roads in excess of 3 percent grade.

- Key waterbars into the cut-slope to intercept the ditch. Waterbars must be outsloped to provide positive drainage. Outlets must be on stable locations.

- Inslope or outslope the road as appropriate.

- Remove bridges and other structures.

- Pull back unstable fill that has potential of failing and entering any Type 1 through 5 waters or wetlands. Place and compact removed material in a stable location.

- Except as specified in the materials list, block the road by constructing an aggressive barrier of dense interlocked large woody debris (logs, stumps, root wads, etc.) so that four wheel highway vehicles cannot pass the point of abandonment. Typical barrier dimensions are 10 feet high by 20 feet deep, spanning the entire road prism from top of cutslope to toe of fillslope. Long term effectiveness is the primary objective. If necessary construct a vehicular turn-around near the point of abandonment.

- Apply grass seed to all exposed soils resulting from the abandonment work and in accordance with Section 8 EROSION CONTROL.

9-24 HEAVY ABANDONMENT

In addition the requirements listed in 9-22 ABANDONMENT the following work is required:

- Fill in ditches and recontour the road surface to mimic current conditions (maximum slope of 20%).

- Pull back ballast rock from road surface. Ballast may be deposited on the abandoned road surface prior to the HEAVY ABANDONMENT segment.

- Remove geotextile.

- Rip the surface to a minimum depth of 10 inches.

- Scatter woody debris onto abandoned road surfaces including root wads.

- Revegetate using root-wads and wetland seed-mix specified in clause 8-26.
Landowner representative requested a pre-application review of the proposed 3 unit “Lugnut” timber sale. Units 2 and 3 will be ground based and unit 1 will be a combination of ground based and cable. An existing log stringer bridge on the Studebaker Mainline (unit 2) is planned to be replaced as a part of this planned timber sale.

Unit 1 has steeper slopes and is approximately 25 acres with approximately 1000’ of road construction. It is adjacent to a younger plantation. Unit 2 is generally flat and is approximately 80 acres with approximately 4,000’ of road construction. There is an inner gorge feature to the NW of the proposed unit. Unit 3 is approximately 75 acres with approximately 4,000’ of road construction.

An IDT meeting was held on 6/2/16 to discuss the bridge removal and install. The group looked at the stream and the proposed bridge plan for removal and install options. A concurrence will not be required for the bridge plans as the stream is confined. A FPHP will be required for the proposal.

An IDT was held on July 27 (I was not able to attend) to determine stream type break for a stream adjacent to unit 2 of the planned sale. It was agreed that the stream the group looked at is not a type F stream. Concurrence info will be submitted with the FPA.

Field review of the planned harvest units was done on August 24. Looked at the bounded out inner gorge feature in unit 2. Feature is correctly bounded out of the harvest unit. Unit 1 has steeper slopes and may use settling ground based equipment on ground up to 50%. Anything over 50% will be cable yarded.

Decisions Made:

There were no specific resource concerns observed within the proposed harvest units during the site visit. Required buffers were spot checked and appear to be correctly marked on the ground. Unstable features were bounded well outside of the harvest boundaries.

**SIGNATURES of Participants**

<table>
<thead>
<tr>
<th>Participant’s Name</th>
<th>Representing</th>
<th>Copies Mailed</th>
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<tr>
<td>Hollis Crapo</td>
<td>landowner</td>
<td></td>
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<td>John Moon</td>
<td>landowner</td>
<td></td>
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<tr>
<td>Amy Halgren</td>
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* (Participant signature means Note is correct for subjects discussed and decisions made at the meeting.)

Did not attend — mail copies to: FPARM, FPDM, FPCOORD, SKY30, USFS

Timber Owner ☐ Landowner ☒ Others: SNCCO, ECY, DFW, DOR, TULALIP
Appendix D. Slope Stability Informational Form

Complete and attach this form to your FPA if you answered 'Yes' to FPA Question 11 or 12. 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. What screening tools were used? X Aerial Photo, X LiDAR, X Landslide Inventory, X Landslide Hazard Zone Polygon, X GIS/Other (describe):
   Orthophotographs

2. Were there any features identified using the screening tools in #1 that did not exist in the field? If yes, describe:
   N/A

3. a. What potentially unstable slopes or landforms were identified in the area of your forest practices activity? Check all that apply:
   X Inner Gorge
   X Groundwater recharge areas for glacial deep-seated landslides
   X Bedrock Hollow
   X Convergent Headwall
   X Toe of deep-seated landslide
   X Outer edges of meander bends
   X Other (Deep-seated landslides or other features of potentially unstable slopes). Describe:
   N/A

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

4. a. What potentially unstable slopes or landforms were identified around the area of your forest practices activity?
   Check all that apply:
   X Inner Gorge
   X Groundwater recharge areas for glacial deep-seated landslides
   X Bedrock Hollow
   X Convergent Headwall
   X Toe of deep-seated landslide
   X Outer edges of meander bends
   X Other (Deep-seated landslides or other features of potentially unstable slopes). Describe:
   The first deep seated landslide is best described as modest size, dormant mature. It occurred in steep (100' high) stream-terrace slopes on the south side of Olney Creek. The topography of the landslide is very subdued. The landslide is low on the slope and toes out on the valley floor, and traveled a short distance onto the valley floor. The second deep-seated landslide is similar in structure, but smaller and further west along the same slope. A Forest Practice Landslide Hazard Zone of moderate probability overlaps the north portion of Unit 3. The geologist reviewed the area in the office and the forester found no indications of instability in the field. There is a Landslide Inventory Polygon (ID#28935) ~500' Northeast of Unit 3. It is hydrologically disconnected from the timber sale.

   b. What activities may occur around potentially unstable slopes or landforms? Check all that apply:
   X Timber harvest
   X Road construction
   X Suspending cables
   X Yarding
   X Tailholds

For use with FPA/N dated 6/1/2016 or later
5. If any features identified in #3.a. and/or #4.a. were bounded out, describe the manner in which the boundary was determined:

The inner gorge is around a type 4 stream. A 100' buffer is in place from the 100 yr flood plain along the length of the stream. The Inner gorge is completely within the no harvest RMZ buffer. The first deep-seated landslide is in the RMZ buffer to the Northwest of Unit 2. The timber sale boundary is set back from the top of the scarp. The second deep-seated landslide is west of the timber sale and is entirely outside of and away from the timber sale.

6. Were areas of public use (which may include, but are not limited to: public roads, utilities, designated recreation areas, occupied structures, etc.) identified in or around the area of your proposed forest practices activity? Show these locations on the map in #8.

No.

7. Date of field review: 7/28/16

Person(s) that conducted field review: John McKenzie

Name

Licensed Engineering Geologist

Title/position

Hollis Crapo

Name

Pre-sales Forester

Title/position

8. Show all field reviewed areas for potentially unstable slopes or landforms on a map (may use a forest practices activity map, harvest map or GIS map – See example below). Show locations where areas of public use exist. This map is intended to be developed by the field practitioner.
This memorandum briefly discusses two landslides associated with Unit 2 of the Lug Nut Timber Sale (Sale). The Sale is located in Sections 12, 13, 14, and 15, T28N, R08E, and Section 7, T28N, R09E about six miles northeast of the town of Sultan. The area of interest for this memorandum is located in Section 12, T28N, R08E. The discussions herein are based on review of various GIS layers (including the Forest Practices Landslide Inventory) in the DNR database, review of pertinent maps and the publications in my office files, review of pertinent orthophotographs and stereoscopic aerial photos on file at Northwest Region office, field reconnaissance and discussions with Mr. Crapo (Boulder pre-sales forester). Field reconnaissance was conducted on July 28, 2016.

PHYSICAL SETTING

The Sale is composed of three units that lie on the lowland hills of Sultan Basin, overlooking Marsh Creek and Olney Creek to the north. Elevations across the Sale range from about 680 feet to 1020 feet. The slopes in the Sale are characterized by generally gentle to moderately-steep rolling topography (Figure 2). Slopes of 70 percent or greater are confined to terrace slope faces and steep hillslope topography in and around the Sale. Locally, some areas of steep glacial terraces and associated steep slopes with short pitches of 70 percent or greater are scattered about the Sale. The Sale area is accessed by Studebaker Pass Mainline (SP-ML). Geology underlying the area of Unit 2 of the Lug Nut Timber Sale was published in 1993 by Tabor and others (Geologic map of the Skykomish River 30- by 60-minute quadrangle, Puget Sound region, Washington: U.S. Geological Survey, Miscellaneous Investigations Map I-1963, 1993; scale 1:100,000). Geologic mapping shows that the area of Unit 2 is underlain by recessional outwash deposits of the Vashon stade of the Fraser glaciation. These deposits range from well-sorted and stratified sands and gravels, to well-bedded silty-sands to silty-clays. Bedrock is mapped at the...
deposits of the Vashon stade of the Fraser glaciation. These deposits range from well-sorted and stratified sands and gravels, to well-bedded silty-sands to silty-clays. Bedrock is mapped at the surface just north of the Unit 2 Sale boundary, and is mapped as Pre-Tertiary age argillite and greywacke of the western mélange belt.

The terrace slope-face adjacent to the northwest corner of Unit 2 was identified to have two relatively modest-sized deep-seated landslides using LiDAR derived topography. Other portions of the Sale are located on hillside areas or adjacent to terrace slopes that are not affected by past landslide processes. These landslides are not catalogued in the Forest Practices Landslide Inventory database (FPLID). There are no other known landslides in or around the proposed Sale.

DISCUSSION OF LANDSLIDES ABOUT THE SALE

As noted earlier two landslides were identified adjacent to the Lug Nut Timber Sale. The westernmost landslide will be referred to as the West Landslide, and the easternmost landslide will be referred to as the East Landslide. The morphology of the West and East Landslides are very similar, suggesting a similar style of failure and mechanics. Both landslides have a low slope position. The West and East Landslides are adjacent to the northwest corner of Unit 2. The topography of the landslides suggests that they can be characterized as rotational/translational, and are deep-seated landslides. Both of these landslides are discussed in more detail below.

The West Landslide is approximately 300 feet in width, and is approximately 200 feet in length, and is approximately 0.8 acres in area. The furthest extent of the slide is approximately 80 feet from Sultan Basin Road, and is approximately 300 feet from Olney Creek. The terrace slope the slide propagated from is approximately 100 feet in height. The slide is estimated to be greater than 10 feet in thickness, and can be characterized as dormant indistinct (Forest Practices unstable slopes board manual) or dormant mature (Cruden and Varnes, 1996 in Turner, K.A. and Schuster, R.L. eds., Landslides Investigation and Mitigation. Transportation Research Board, National Research Council, Special Report 247; National Academy Press, Washington, D.C.). The Sale boundary does not intrude on to the scarp or body of the landslide. Sale boundary tags were observed in the field to be placed above the break-in-slope of the landslide scarp. (However, it should be noted that due to possible GPS error, the Sale boundary polygon appears in the SUMA data to intrude upon the scarp of the West Landslide – this is not representative of the observed field conditions). In effect no management activities are proposed on the body of the West Landslide.

The East Landslide is approximately 150 feet in width, and is approximately 120 feet in length, and is approximately 0.2 acres in area. The furthest extent of the slide is approximately 90 feet
than 10 feet in thickness, and can be characterized as dormant indistinct (Forest Practices unstable slopes board manual) or dormant mature (Cruden and Varnes, 1996 in Turner, K.A. and Schuster, R.L. eds., Landslides Investigation and Mitigation: Transportation Research Board, National Research Council, Special Report 247; National Academy Press, Washington, D.C.). The scarp and body of the East Landslide are excluded from the Sale. In effect no management activities are proposed on the body of the East Landslide.

The West and East Landslides were reviewed in the field and reconnaissance did not show evidence of current, recent, or historic movement. Ground cracks on the bodies of the slides were not observed, and the stumps from earlier entries and the standing conifers do not appear to be disturbed. Review of aerial photographs did not suggest these landslides is active. It appears the timber in the vicinity of Unit 2 on these landslides was clear-cut prior to 1954 without an apparent adverse impact. Currently, no management activities are proposed on the landslide bodies. Based on the response of the East and West Landslides to the prior harvest history, it is not anticipated that the proposed harvest will have an adverse impact on the stability of the landslides. Therefore, based on our review and field reconnaissance, the potential for the Sale to adversely impact the two deep-seated landslides – West Landslide and East Landslide – is judged to be low.

If you have any questions, please do not hesitate to call.

John M. McKenzie
Northwest Region Engineering Geologist
LEG 861

Greg E. Morrow
State Lands Geologist
GIT

Page 3 of 3
Appendix E. CMZ Assessment Form

Township: 28N  Range: 08E  Section: 12

Complete and attach this informational form to your FPA if you answered "Yes" to FPA question 13 j. Refer to Forest Practices Board Manual Section 2—Standard Methods for Identifying Bankfull Channel Features and Channel Migration Zones for guidance on evaluating Channel Migration Zones (forms within BM 2 are optional).

Applicant Office Review:
1. Screening tools used: ☒ GIS ☐ Aerial Photo Years: _______________ ☐ LiDAR ☐ USGS Topographic Map ☐ Other (describe): 

2. Are you aware of channel movement or did you observe obvious channel movement between aerial photograph years?
   ☒ No, continue with to question 3  ☐ Yes, skip to question 5

3. Evaluate valley confinement using USGS topographic map(s) or aerial photographs.
   ☒ Valley floor is significantly wider than the channel. Channel migration may be occurring.
   ☐ Valley floor is very narrow, obviously less than twice as wide as the channel. If you can clearly see this circumstance on the aerial photographs, it is unlikely that channel migration is occurring.

4. Did you observe any of the following on the aerial photographs?
   ☐ Side Channels ☐ Multiple Channels (Braiding)  ☐ Large Gravel Bars ☐ Wood Jams  ☐ Eroding Banks ☐ High Sinuosity or Sharp Channel Bends ☐ New Channels Occurring Between Photo Years (Avulsions)

Field Review:
5. Date of field review: 6/6/16

6. Person(s) that conducted field review: Hollis Crapo  Name
   NRS1  Title/position

   Name  Title/position

7. If CMZ is present check the component(s) present in your CMZ delineation.
   ☒ Avulsion hazard area  ☐ Erosion hazard area (attach erosion rate calculations)

8. What was the distance of channel walked? What was the length of CMZ boundary delineated?
   Walked 1000'
   Delineated 3500'

9. Briefly describe how you determined a CMZ exists, how you delineated the outer edge of the CMZ, and how you marked the outer edge of the CMZ on the ground (flagging color, paint, etc.):
   The valley floor is obviously >2x the width of the channel in many places along the stretch of stream. I primarily used GIS to delineate a preliminary outer edge, based on topography, and then ground truthed that to real topological breaks while creating the RMZ adjacent to the CMZ. White timber sale boundary tags mark a site index no harvest RMZ buffer off of the CMZ.

6/1/2016
Within your road construction and harvest area, you need to physically review these streams on the ground to determine if they meet the criteria of Type 3 water. Refer to DNR Trust Forestland HCP Water Typing System to determine Type 1 and 2 waters.

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?
   - Yes. Type 3 stream.
   - No. Go to question # 2.

2. Has the stream been surveyed?
   - Yes. Attach the survey data to the Application/Notification.
     - Fish found. Type 3 stream.
     - No fish. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?
       - Yes. Type 4 stream.
       - No. Type 5 stream.
   - No. Go to question # 3.

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?
   - Yes. Go to question # 4.
   - No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?
   (Example: 16' fall in elevation over 100 feet of stream = 16/100 = .16 or 16%).
   - Yes. Type 3 stream.
   - No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?
   - Yes. Go to question # 6.
   - No. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?
   - Yes. Type 3 stream.
   - No. Type 4 stream.

Definitions:

Stream Width: To determine the Ordinary High Water Mark (OHWM) of the stream(s), observe the break between the water influence zone and upland vegetation on the stream bank; this is usually the spring high water mark. Then measure stream width between the OHWMs on either side of the stream at 50 feet intervals along the stream bank for a minimum distance of 500 feet. This determines the average width of the stream. For further information see page M-11 of the board manual.

Stream Gradient: The gradient of a stream is defined as the inclination or rate of fall of a stream bed, expressed as a percentage. The average gradient of a stream is determined by calculating the inclination of individual sub-reaches over a minimum distance of 500 feet along a stream or to a point where distinct gradient changes occur. For further information see page M-14 of the board manual (only use the method for field measurements; do not use the mapping method).

Note: Streams with widths of twenty feet (20') or greater or lakes, ponds, or impoundments having a surface area of 1 acre or greater at seasonal low water, may be type 2 waters. 1-14-08
DNR Trust Forestland HCP Water Typing Key

ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID  A,B,Q,U,Y,KK    DATE  7/21/16

Within your road construction and harvest area, you need to physically review these streams on the ground to determine if they meet the criteria of Type 3 water. Refer to DNR Trust Forestland HCP Water Typing System to determine Type 1 and 2 waters.

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?
   _Yes. Type 3 stream.
   _X_ No. Go to question # 2.

2. Has the stream been surveyed?
   ___ Yes. Attach the survey data to the Application/Notification.
   ___ Fish found. Type 3 stream.
   ___ No fish. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?
       ___ Yes. Type 4 stream.
       ___ No. Type 5 stream.
   _X_ No. Go to question # 3.

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?
   _X_ Yes. Go to question # 4.
   ___ No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?
   (Example: 16' fall in elevation over 100 feet of stream = 16/100=.16 or 16%).
   ___ Yes. Type 3 stream.
   _X_ No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?
   ___ Yes. Go to question # 6.
   _X_ No. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?
   ___ Yes. Type 3 stream.
   ___ No. Type 4 stream.

Definitions:

Stream Width: To determine the Ordinary High Water Mark (OHWM) of the stream(s), observe the break between the water influence zone and upland vegetation on the stream bank; this is usually the spring high water mark. Then measure stream width between the OHWMs on either side of the stream at 50 feet intervals along the stream bank for a minimum distance of 500 feet. This determines the average width of the stream. For further information see page M-11 of the board manual.

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Note: Streams with widths of twenty feet (20') or greater or lakes, ponds, or impoundments having a surface area of 1 acre or greater at seasonal low water, may be type 2 waters.

1-14-08
Within your road construction and harvest area, you need to physically review these streams on the ground to determine if they meet the criteria of Type 3 water. Refer to DNR Trust Forestland HCP Water Typing System to determine Type 1 and 2 waters.

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?
   - Yes. Type 3 stream.
   - X No. Go to question # 2.

2. Has the stream been surveyed?
   - Yes. Attach the survey data to the Application/Notification.
   - Fish found. Type 3 stream.
   - _L_ No fish. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?
     - Yes. Type 4 stream.
     - No. Type 5 stream.
   - _X_ No. Go to question # 3.

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?
   - Yes. Go to question # 4.
   - X No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?
   (Example: 16' fall in elevation over 100 feet of stream = 16/100 = .16 or 16%).
   - Yes. Type 3 stream.
   - No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?
   - Yes. Go to question # 6.
   - No. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?
   - Yes. Type 3 stream.
   - No. Type 4 stream.

Definitions:

Stream Width: To determine the Ordinary High Water Mark (OHWM) of the stream(s), observe the break between the water influence zone and upland vegetation on the stream bank; this is usually the spring high water mark. Then measure stream width between the OHWMs on either side of the stream at 50 feet intervals along the stream bank for a minimum distance of 500 feet. This determines the average width of the stream. For further information see page M-11 of the board manual.

Stream Gradient: The gradient of a stream is defined as the inclination or rate of fall of a stream bed, expressed as a percentage. The average gradient of a stream is determined by calculating the inclination of individual sub-reaches over a minimum distance of 500 feet along a stream or to a point where distinct gradient changes occur. For further information see page M-14 of the board manual (only use the method for field measurements; do not use the mapping method).

Note: Streams with widths of twenty feet (20') or greater or lakes, ponds, or impoundments having a surface area of 1 acre or greater at seasonal low water, may be type 2 waters.
1. Is the proposed Forest Practices activity within potential habitat, occupied site, Criteria 3 newly identified habitat or suitable habitat not available for release\(^1\)?
   - ☐ Yes, proposal is **inconsistent** with current HCP strategy. **Stop Proposed Activity** or document in Question #6 specifics of proposal and Forest Resources Division approval if intending to proceed.
   - ☑ No, not within suitable habitat not available for release, potential, occupied, or Criteria 3 newly identified habitat. Go to Question #2.

2. Is the proposed activity within releasable\(^1\) suitable habitat according to the NPPU memo (dated 6/12/2009)?
   - ☐ Yes, document in Question #6 the WAU name, **total** suitable MM habitat acres allowed to be harvested within the WAU and the **total** acres to date of suitable MM habitat harvested within the WAU **after** this proposed harvest. Go to Question #3.
   - ☑ No, proposal is not within releasable suitable habitat. Go to Question #3.

3. Is the proposed activity located within unsurveyed Criteria 1 newly identified habitat that is within 0.25 miles of an occupied site, or unsurveyed Criteria 2 newly identified habitat?
   - ☐ Yes, proposal is **inconsistent** with the current HCP strategy. **Stop Proposed Activity** or document in Question #6 specifics of proposal and Forest Resources Division approval if intending to proceed.
   - ☑ No, go to Question #4.

---

\(^1\) Some suitable habitat may be available for harvest (releasable) if 50% of the habitat will remain within the WAU and it is greater than 0.5 miles from an occupied site and identified per NPPU memo dated 6/12/2009. Criteria 1 habitat is: Habitat \(\geq 5\) acres but \(< 10\) acres with \(< 10\) platforms per acre OR Habitat \(> 10\) acres but \(\leq 20\) acres with \(\leq 5\) platforms per acre. Criteria 2 habitat is: Habitat \(\geq 5\) acres but \(< 10\) acres with \(> 10\) platforms per acre OR Habitat \(> 10\) acres but \(< 20\) acres with \(> 5\) platforms per acre OR Habitat \(> 20\) acres with \(\leq 15\) platforms per acre. Criteria 3 is: Habitat \(\geq 20\) acres with \(> 15\) platforms per acre.
4. Is the proposed activity located within surveyed and unoccupied Criteria 1 or 2 newly identified habitat, or unsurveyed Criteria 1 that is greater than 0.25 miles from an occupied site and is the activity only for operational access (roads or yarding corridors) through this habitat type?

☐ Yes, proposal is consistent with the current HCP. Timing restrictions are applied when operating within this habitat and remaining habitat is deferred from harvest. Consult with Region biologist/specialist for recommendations on minimizing platform tree removal. Document in Question #6 the type of operational access, but first go to Question #5.

☒ No, go to Question #5.

5. Is the proposed harvest activity within ¼ mile of any marbled murrelet occupied site(s), Criteria 3 newly identified habitat or unsurveyed suitable MM habitat?  

☒ Yes, consult with Region biologist/specialist for recommendations on buffers and timing restrictions. Go to Question #6 and document type of buffer of occupied site or suitable habitat.

☐ No, proceed with activity; go to Question #6 if any documentation is required.

6. This question or section is for additional information the checklist suggested you provide in previous questions or any additional information you think is relevant to the proposal. If you were able to answer the previous questions without a “Stop Proposed Activity” notification then your proposal is consistent with the HCP and may proceed. Otherwise, more documentation is required here. If varying from current HCP guidance, attach consultation agreement from Forest Resources Division and/or USFWS and discuss below.

Timing restrictions will be applied to the portions of Units 1 & 2 that lie within ¼ mile of Criteria 3 newly-identified habitat. Timing restrictions will be implemented for activity associated with harvesting timber, road building, and rock pit development. The timing restrictions will be in effect from April 1 through August 31, from 1 hour before to 2 hours after official sunrise, and 1 hour before to 1 hour after official sunset.

---

2 "Unsurveyed suitable habitat" refers to potential habitat identified per the NPPU 2007 memo that has been field verified as suitable, but not yet surveyed.
Refer to the DNR Proprietary HCP Implementation Agreement for the NSO, 2008.

1. Is the Forest Practice activity within a NRF Management Area?
   - Yes, Go to #2.
   - No, Go to #6.

2. Is the Forest Practice activity within a designated 500-acre Nest Patch?
   - No, Go to #3.

3. Is the Forest Practice activity within 0.7 miles of a spotted owl nest site (status 1 or 2)?
   - Yes, Apply timing restrictions; refer to Substitution Agreement, Section I. Go to #4.
   - No, Go to #4.

4. Is the SOMU where the Forest Practice activity is located, above the threshold of NRF habitat?
   - Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall below the target amount. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of NRF habitat will remain within the SOMU after harvest. Go to #13.
   - No, Go to #5.

5. Is the Forest Practice activity within suitable submature habitat or better or "next best"?
   - Yes, Ensure NRF habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #13, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #13.
   - No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #13 how management activity will maintain and/or achieve the NRF target amount. Go to #13.

6. Is the Forest Practice activity within a Dispersal or DFC Management Area?
   - Yes, Go to #7.
   - No, Go to #10.

7. Is the Forest Practice activity within 0.7 miles of a spotted owl nest site (status 1 or 2)?
   - Yes, Apply timing restrictions; refer to Substitution Agreement, Section I. Go to #8.
   - No, Go to #8.

8. Is the SOMU where the Forest Practice activity is located, above the threshold of dispersal habitat?
   - Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall below the target amount. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of dispersal habitat will remain within the SOMU after harvest. Go to #13.
9. Is the Forest Practice activity within suitable dispersal habitat or better or "next best"?
   □ No, Go to #9.
   ■ Yes, Ensure dispersal habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #13, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #13.
   □ No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #13 how management activity will maintain and/or achieve the dispersal target amount. Go to #13.

10. Is the Forest Practice activity located within the OESF?
    □ Yes, Go to #11.
    ■ No, Go to #12.

11. Landscape planning has been initiated, but has it been completed?
    □ Yes, Proceed with the activity, ensuring that all commitments of the Landscape Plan are fulfilled. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Go to #12.
    ■ No, Proceed with the activity, ensuring that the total amount of habitat harvested since HCP implementation will not exceed the allowable amount as described within the substitution agreement, Section II. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Go to #12.

12. Is the Forest Practice activity located within a Status 1 or 2 spotted owl management circle based on the WDFW database?
    □ Yes, Apply harvest timing restrictions to activities within the best 70-acre core around the site center; refer to Substitution Agreement, Section III. Include location of best 70-acre core on Forest Practices Map. Go to #13.
    ■ No, Go to #13.

13. Provide any additional information or details requested from previous questions on the following lines. If no additional information is required, simply state "not applicable" below. Otherwise, include the SOMU name(s) when necessary if activity is within NRF or dispersal management areas or OESF and how habitat will be maintained or enhanced, etc. If varying from standard HCP guidance, attach concurrence/variance approval from Land Management Division and/or Federal Services and discuss below.

End checklist.

Not Applicable
Are you sure of this FPA? Usually they are 281xxxx.

Otherwise, WDFW concurs with the proposal to place a 40 bridge over a fish bearing stream, provided all work is above the OHWL. The bridge placement may occur year round.

Work may begin when the streams are dry. Otherwise, a bypass shall be used to divert water and fish away from the worksite. Standard in water work window is July 1-October 1 in any given year based on out migrant juveniles and returning adults.

If wood if being placed in the channel, it would be helpful to have it depicted on the plans. Wood placement may only occur during the work window or when the stream is dry or in a low flow period. Juvenile fish shall be removed from work site prior to beginning wood placement.

Additionally, it would be helpful to have the name of the stream or a location of the project on the map.

Let me know if you have questions.

Sincerely, Jamie

From: HALGREN, AMY (DNR)  
Sent: Wednesday, August 10, 2016 11:05 AM  
To: Bails, Jamie L (DFW)  
Cc: Crapo, Hollis (DNR)  
Subject: Lugnut Concurence

Jamie,

Thanks for calling me back so quickly!

Here is the FPA number for Lugnut as you requested: 30-093898. I have also attached the design for the bridge replacement in case it is useful.

Let me know if you need any more information.

Thanks,

Amy Halgren  
Cascade District Engineer  
State Lands, Northwest Region  
Washington State Department of Natural Resources (DNR)
Hollis,

Sorry, I sort of thought my concurrence was implied at one point. No matter…I don’t have concerns with the stream typing, at this point.

-D. Marks

Sent from my Verizon Wireless 4G LTE DROID
On Aug 18, 2016 4:37 PM, "Crapo, Hollis (DNR)" <Hollis.Crapo@dnr.wa.gov> wrote:

Hey Derek,

I don’t think I received a concurrence email from you regarding the stream downgrade. Would you mind sending me something in writing in this regard?

Hollis Crapo

From: Bails, Jamie L (DFW)
Sent: Friday, July 29, 2016 10:18 AM
To: Crapo, Hollis (DNR) <Hollis.Crapo@dnr.wa.gov>; Derek Marks <dmarks@tulaliptribes-nsn.gov>; Penhale, Bob (ECY) <BPEN461@ECY.WA.GOV>
Cc: HUANG, STEVEN (DNR) <STEVEN.HUANG@dnr.wa.gov>; Moon, John (DNR) <John.Moon@dnr.wa.gov>
Subject: RE: Lugnut Timber Sale Site Visit

Hi Hollis, Thank you for the site visit on Wednesday. After a short walk it was clear that the stream in question is merely wetland drainage down a steep slope. Due to lack of gravels and flows, there is not enough habitat to support fish life. I support your type 4 call here.

Thanks for the opportunity to comment.

Jamie

From: Crapo, Hollis (DNR)
Sent: Tuesday, July 26, 2016 8:45 AM
To: Derek Marks; Penhale, Bob (ECY); Bails, Jamie L (DFW)
Derek,

Just a heads up. If you are interested in doing a site visit, Jaime Bails, Steve Huang, John Moon, and myself are planning on going to look at the stream tomorrow. We are meeting at the Sultan P&R at 9am.

Hollis Crapo

Presales Forester

Boulder Unit, Northwest Region

WA Dept. of Natural Resources (DNR)

Hollis.Crapo@dnr.wa.gov

www.dnr.wa.gov

---

From: Derek Marks [mailto:dmarks@tulalipnrcs-nsn.gov]
Sent: Thursday, July 21, 2016 8:02 AM
To: Crapo, Hollis (DNR) <Hollis.Crapo@dnr.wa.gov>; Penhale, Bob (ECY) <BPEN461@ECY.WA.GOV>; Bails, Jamie L (DFW) <Jamie.Bails@dfw.wa.gov>
Cc: HUANG, STEVEN (DNR) <STEVEn.HUANG@dnr.wa.gov>; Moon, John (DNR) <John.Moon@dnr.wa.gov>
Subject: RE: Lugnut Timber Sale Site Visit

Hollis,

It sounds like you’ve made a good case for your proposal…and a field visit may not be necessary. Give me a couple days to do a little desktop review and I will get back to you in regards to my concerns and if I think a site visit is needed to clarify issues.

Thank you.
Hello,

I am wrapping up the field work for the Lugnut timber sale and would like to schedule a site visit to get a determination of non-habitat on one of my streams (indicated on a map) and get it downgraded from a 3 to a 4. The stream averages 2.25' in width, 14% slope and according to the LiDAR streams layer, has a 13 Ac basin. It starts at a convergence of 2-3 small type 5 streams (that in turn start at seeps) and runs into the Sultan Basin Rd ditch. There is no connectivity to larger streams. The nearest culvert on Sultan Basin Rd is quite a ways away, and the ditch runs dry before the culvert. I also could not find evidence of a historic stream channel on the other side of Sultan Basin Rd. The stream also dries up regularly for its entire length. Because it does not connect to fish bearing water and runs dry, I would like it determined to be non-habitat. I plan on protecting it as a type 4 stream with a 100' buffer.

The Lugnut Timber sale is 8.5 miles from Hwy 2 down Sultan Basin Rd. The stream is in Unit 2, which is around the Studebaker Pit. Unit 2 is also adjacent to the log stringer bridge we are replacing (from the ID team meeting on June 2nd).

I would like to schedule the visit sometime between July 25th and August 5th. I would prefer the 26th or 27th and am unavailable the 28th.

Hollis Crapo
Presales Forester
Boulder Unit, Northwest Region
WA Dept. of Natural Resources (DNR)
Hollis.Crapo@dnr.wa.gov

www.dnr.wa.gov
Hi Hollis, Thank you for the site visit on Wednesday. After a short walk it was clear that the stream in question is merely wetland drainage down a steep slope. Due to lack of gravels and flows, there is not enough habitat to support fish life. I support your type 4 call here.

Thanks for the opportunity to comment.

Jamie

Derek,  

Just a heads up. If you are interested in doing a site visit, Jaime Bails, Steve Huang, John Moon, and myself are planning on going to look at the stream tomorrow. We are meeting at the Sultan P&R at 9am.

Hollis Crapo
Presales Forester
Boulder Unit, Northwest Region
WA Dept. of Natural Resources (DNR)
Hollis.Crapo@dnr.wa.gov
www.dnr.wa.gov

Hollis,

It sounds like you've made a good case for your proposal...and a field visit may not be necessary. Give me a couple days to do a little desktop review and I will get back to you in
regards to my concerns and if I think a site visit is needed to clarify issues.

Thank you.

Derek Marks
Tulalip Tribes-Timber Fish and Wildlife Program Manager
(360) 716-4614

From: Crapo, Hollis (DNR) [mailto:Hollis.Crapo@dnr.wa.gov]
Sent: Wednesday, July 20, 2016 10:29 AM
To: Penhale, Bob (ECY) <BPEN461@ECY.WA.GOV>; Derek Marks <dmarks@tulaliptribes-nsn.gov>;
Bails, Jamie L (DFW) <Jamie.Bails@dfw.wa.gov>
Cc: HUANG, STEVEN (DNR) <STEVEN.HUANG@dnr.wa.gov>; Moon, John (DNR)
<John.Moon@dnr.wa.gov>
Subject: Lugnut Timber Sale Site Visit

Hello,

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get a determination of non-habitat on one of my streams (indicated on a map) and get it
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type 4 stream with a 100' buffer.

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or 27th and am unavailable the 28th.

Hollis Crapo
Presales Forester
Boulder Unit, Northwest Region
WA Dept. of Natural Resources (DNR)
Hollis.Crapo@dnr.wa.gov
www.dnr.wa.gov
MEMORANDUM
August 19, 2016

TO: Hollis Crapo, Amy Halgren, NW Region
FROM: Sabra Hull, Forest Resources Division
SUBJECT: Wetland areas on Lugnut timber sale

Unit 2, NE ¼ of SE ¼ Sec. 12 T28 R8E

This is to follow up on discussions we had during a field visit to Lugnut timber sale on June 9th, 2016.

Hollis and I visited an incised creek S of Sultan basin Rd, in Unit 2 of the timber sale. The creek branches into two channels, and is adjacent to a large wetland complex. Topography is flat, and while there are mapped hydric soils nearby, they barely lap over the southern edge of the unit.

The wetland complex has an overstory of hemlock, Sitka spruce, and western redcedar. All species are very shallowly rooted, resulting in an immense amount of blowdown, and navigating on foot requires walking on large-diameter, jack-strawed trees. The wetlands were flooded or saturated, and supported an assortment of wetland obligate and facultative wetland vegetation. Upland areas between wetlands are dominated by salal, red huckleberry, fools huckleberry, and Alaska huckleberry, which obscure the overall view. Previous forest was enormous western redcedar; stumps have springboard notches.

Hollis had already determined that it would be too difficult operationally to harvest within or adjacent to the wetland complex, and I concur. There are no plans to manage this wetland complex.

Cliff area west of SP-020

We continued to Road SP-020, where a type 3 stream/wetland complex parallels the road on the west side. Adjacent to the west side of the road is a cliff face which parallels and rises above the road. The RMZ on the western side of the type 3 stream will include the road and cliff, and therefore will not contribute to riparian function as intended by the RFRS. Hollis wonders if the wind-prone top of the cliff could be harvested. This would likely require variances from the Riparian and Cliff procedures, and requires further Region and Division review.

Unit 1 SE ¼ Sec 7, T28R9E

The region wishes to re-open an abandoned road (SP-ML) in order to harvest the unit west of the road. At the northern terminus of the road is a wetland of about a tenth of an acre in size. This area is receiving water from the cut-bank on the east side of the road. The soils here are hydric, loose, and fully saturated on the day of our visit. It appears the cut-bank may have slumped or simply eroded, and has deposited the loose soil on top of the roadbed. The resulting wet substrate now supports obligate and facultative wetland vegetation, and a bit of habitat that may be somewhat rare on this otherwise well-drained slope, with its rocky soils.

The approach we discussed for achieving the department’s no net loss policy are detailed on page two.
Mitigation approach for road management activities impacting the small wetland on SP-ML:

- Dry-season construction and abandonment
- Place geotextile and rock on wetland area
- Funnel water from the cut-bank via a ditch through a culvert

Then, during abandonment:

- Remove rock and geotextile
- Remove culvert
- Re-contour road surface to match current shape (including filling of ditch)
- Revegetate using root-wads and wetland seed-mix

Please let me know if there are any questions, or if I can clarify in any way.
July 1, 2016

TO: Hollis Crapo, Forester

FROM: Lisa Egtvedt, Wildlife Biologist

SUBJECT: Site Review of a Cliff in Association with the Proposed Lugnut Timber Sale

This memo serves as documentation of a region biologist review of a cliff that is located immediately adjacent to the proposed Lugnut Timber Sale, Unit 2. On June 30, 2016, I visited this site with Hollis Crapo & Pete Hurd in order to assess it in relation to a proposal to vary the width of a wetland buffer at this location.

Although this feature is comprised of a vertical rock face that is more than 25 feet tall (therefore is considered a “cliff” under the HCP definition), it does not contain any special habitat features such as ledges, overhangs, fissures, caves, or talus. It is basically a sheer vertical rock face, with some small “benchy” areas that support individual mature conifer trees and shrubs, with a dense shrub cover at the base (see Figures 1 & 2 below for a representation of the cliff). There is a stand of mature conifer trees at the top of the cliff, which is currently proposed as part of Lugnut Unit 2. It should also be noted that this feature is located right next to an active logging road.

A standard wetland buffer width at the location of the cliff would result in only a narrow line of trees retained at the top edge of the cliff (not to mention a gap in the buffer due to the location of the existing road). When the rest of the stand is harvested, this could likely result in the blowdown of these trees. Due to this windthrow potential, I would not recommend retaining such a narrow line of trees, particularly as I did not observe any evidence that it is or might be used by raptors for nesting or perching, which would be the primary reason for retaining trees at the top of a cliff.

I was informed of the area where the buffer is proposed to be expanded (to mitigate the narrower buffer at the cliff location), and though I did not evaluate that area in relation to this specific proposal, I did see it while conducting marbled murrelet habitat delineation verification. The stand in that area has a much higher likelihood of remaining standing, so I support the proposal to widen the buffer at that location.

Thank you for the opportunity to review and provide input for this proposal.
Figure 1. Photo taken of the cliff adjacent to proposed Lugnut Unit 2

Figure 2. Another angle of the cliff adjacent to proposed Lugnut Unit 2
DECISION:

- [ ] NOTIFICATION
- [X] APPROVED
- [ ] DISAPPROVED
- [ ] CLOSED

**NOTIFICATION**

Operations shall not begin before the effective date.

**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**

- [ ] 4yrs
- [ ] 5 yrs

**Conditions on Approval / Reasons for Disapproval**

THIS OPERATION IS SUBJECT TO THESE CONDITIONS:

No additional conditions.

FOR YOUR INFORMATION:

WDFW concurs with the proposal to place a 40 bridge over a fish bearing stream, provided all work is above the OHWL. The bridge placement may occur year round. In water work window for the type 3 waters is July 1 to October 1 in any given year based on out migrant juveniles and returning adults.

Culvert work for type 4 and 5 streams may begin when the streams are dry. Otherwise, a bypass shall be used to divert water and fish away from the worksite.

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
Region: Northwest
Title: Skykomish Forest Practice Forester
Date: 11/23/2016
Copies to: [X] Landowner, Timber Owner and Operator
Issued in Person: [X] Landowner, [ ] Timber Owner [ ] Operator

Washington State Department of Natural Resources • Notice of Decision July 10, 2012
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 Street
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.

Hydraulic Project Approval (HPA) (Chapter 77.55RCW and WAC 222-50-020(2))
The Department of Fish and Wildlife (WDFW), as the jurisdictional agency issuing HPAs, has final authority for approving
water crossing structures in Type S and F waters. WDFW continues to have authority on Type N waters and may exercise
that authority on some Type N waters.
Notice: The HPA water crossing requirements supersede what is indicated on the FPA. Landowners are required
by law to follow the provisions as directed on the HPA.

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
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 __________, I placed in the United States mail at Sedro-Woolley, WA, postage paid,
a true and accurate copy of the attached document. Notice of Decision FPA # __________

_L Utgard ____________________________
(Printed name) (Signature)

Washington State Department of Natural Resources • Notice of Decision July 10, 2012
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<th>DATE</th>
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<td>Transfer Form</td>
<td>Change of timber owner &amp; operator</td>
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</table>
WASHINGTON STATE DEPARTMENT OF Natural Resources

Forest Practices Application/Notification
NOTICE OF TRANSFER

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

FPA/N Number: 2815489
Section(s): 6,7
Township: 28N
Section(s): 12,13,14,15
Range: 9E
Township: 28N
Range: 9E

Original Landowner (Signature):

Original Landowner (Printed):

Date: 3/8/17

30-093898 LUGNUT

| New Operator – Fill out this section only if you are changing or adding an operator |
|-------------------------------------------------|-------------------------------------------------|
| Legal Name of New Operator: (Print)             | Mailing Address: SIERRA PACIFIC INDUSTRIES      |
| SIERRA PACIFIC INDUSTRIES                       | 14353 MCFARLAND ROAD MOUNT VERNON, WA 98273     |
| Phone: 360-424-7619                             | Phone:                                           |
| Email:                                          | Email:                                           |
| New Operator Signature:                         | Date: 3-2-17                                    |

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<tr>
<td>SIERRA PACIFIC INDUSTRIES</td>
</tr>
<tr>
<td>Phone: 360-424-7619</td>
</tr>
<tr>
<td>Email:</td>
</tr>
<tr>
<td>Forest Tax Reporting Account Number: (Contact Dept. of Revenue to get this number: 1-800-548-8829) 800-059-489</td>
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<td>New Timber Owner Signature:</td>
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Received by: 
(DNR Forest Practices Staff Signature) 11/08/2005 Form QQ50
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WASHINGTON STATE DEPARTMENT OF
Natural Resources

Forest Practices Application/Notification

NOTICE OF TRANSFER

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FPA/N Number: 2815489

Original Landowner (Signature):

Original Landowner (Printed):

New Operator - Fill out this section only if you are changing or adding an operator

Legal Name of New Operator: (Print)

CASCADE H & A

Phone: 425-356-7967

Email: cascadeh4a@gmail.com

New Operator Signature:

Date:

New Landowner - Fill out this section only if you are transferring your FPA to a new landowner

Legal Name of New Landowner: (Print)

New Landowner Signature:

Date:

New Timber Owner - Fill out this section only if you are transferring your timber rights

Legal Name of Timber Owner: (Print)

Sierra Pacific Industries

14353 McFarland Rd

Mount Vernon, WA 98273

Phone: 360-424-7619

Forest Tax Reporting Account Number: (Contact Dept. of Revenue to get this number; 1-800-548-8829)

800 059 489

New Timber Owner Signature:

Date:

Received by:

Date: 5/10/17

(DNR Forest Practices Staff Signature)

Form QQ50 (11-08-2005)
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<tr>
<td>5-10-17</td>
<td>Transfer Form</td>
<td>Change of operator</td>
</tr>
<tr>
<td>7-6-17</td>
<td>Transfer Form</td>
<td>Change of operator</td>
</tr>
</tbody>
</table>
WASHINGTON STATE DEPARTMENT OF
Natural Resources

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 to be bound by all conditions on the approved application or notification.

FPA/N Number: 2815489 Section(s): 12/13/14/15/7 Township: 28N Range: 8/9E

Original Landowner (Signature): [Signature]
Original Landowner (Printed): COURTNEY ABENDHOFF Date: 7/16/2017

New Operator – Fill out this section only if you are changing or adding an operator
Legal Name of New Operator: (Print) Mailing Address:
Precision Forestry Inc. 25820 121st Ave NE
Phone: 360-403-7197 Arlington, WA 98223
Email:
New Operator Signature: [Signature] Date: 7-4-17

New Landowner – Fill out this section only if you are transferring your FPA to a new landowner
Legal Name of New Landowner: (Print) Mailing Address:
Phone:
Email:
New Landowner Signature: Date:

New Timber Owner – Fill out this section only if you are transferring your timber rights
Legal Name of Timber Owner: (Print) Mailing Address:
Sierra Pacific Industries 14353 McFarland Rd
Phone: 360-424-7619 Mount Vernon, WA 98273
Email:
Forest Tax Reporting Account Number: (Contact Dept. of Revenue to get this number: 1-800-548-8829) 800 059 489
New Timber Owner Signature: Date:

Received by: [Signature] (DNR Forest Practices Staff Signature) Date: 7/16/17

Form QQ50 (11-08-2005)
<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/10/2017</td>
<td>Transfer Form</td>
<td>Change of timber owner &amp; operator</td>
</tr>
<tr>
<td>5/10/17</td>
<td>Transfer Form</td>
<td>Change of operator</td>
</tr>
<tr>
<td>7/10/17</td>
<td>Transfer Form</td>
<td>Change of operator</td>
</tr>
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<td>Transfer Form</td>
<td>Change of operator</td>
</tr>
</tbody>
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# 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 to be bound by all conditions on the approved application or notification.

<table>
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<tr>
<th>FPA/N Number:</th>
<th>2815489</th>
<th>Section(s):</th>
<th>12/13/14/15/17</th>
<th>Township:</th>
<th>28N</th>
<th>Range:</th>
<th>8/9E</th>
</tr>
</thead>
</table>

Original Landowner (Signature): [Signature]

Original Landowner (Printed): [Printed Name]
Date: 1/13/17

## New Operator – Fill out this section only if you are changing or adding an operator

<table>
<thead>
<tr>
<th>Legal Name of New Operator: (Print)</th>
<th>Lake Industries LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone: 425-239-1095</td>
<td>Mailing Address: PO Box 1494</td>
</tr>
<tr>
<td>Email:</td>
<td>Marysville, WA 98270</td>
</tr>
</tbody>
</table>

New Operator Signature: [Signature]
Date: 1/1-3/17

## New Landowner – Fill out this section only if you are transferring your FPA to a new landowner

<table>
<thead>
<tr>
<th>Legal Name of New Landowner: (Print)</th>
<th>Mailing Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone:</td>
<td></td>
</tr>
<tr>
<td>Email:</td>
<td></td>
</tr>
</tbody>
</table>

New Landowner Signature: [Signature]
Date: [ ]

## New Timber Owner – Fill out this section only if you are transferring your timber rights

<table>
<thead>
<tr>
<th>Legal Name of Timber Owner: (Print)</th>
<th>Mailing Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sierra Pacific Industries</td>
<td>14353 McFarland Rd</td>
</tr>
<tr>
<td>Phone: 360-424-7619</td>
<td>Mount Vernon, WA 98273</td>
</tr>
<tr>
<td>Email:</td>
<td></td>
</tr>
</tbody>
</table>

Forest Tax Reporting Account Number: (Contact Dept. of Revenue to get this number: 1-800-548-8829) 800 059 489

New Timber Owner Signature: [Signature]
Date: [ ]

[ ] Received by: [Signature]
Date: 1/13/17

(DNR Forest Practices Staff Signature)

Form QQ50 (11-08-2005)
Request to Amend
Forest Practices Application/Notification

DNR’s Decision

Decision
☒ Approved This request for an amendment is approved and subject to the conditions listed below
☐ Disapproved This request for an amendment is disapproved for the reasons listed below

Conditions on Approval/Reasons for Disapproval
No additional conditions

Appeal Information (RCW 78.09.090(3), WAC 222-46-030(4), and WAC 332-08-215(3))

The Landowner, Timber Owner, or Operator has 15 calendar days from the Date of Service to request a Brief Adjudicative Proceeding for this amendment which is a Notice to Comply for an authorized deviation. Appeal requests must:
• Be in writing
• Include signature(s)
• Include the factual basis for the appeal and the issue to be adjudicated
• Sent to the Region Office at Sedro-Woolley
• With a copy sent to the Department of Natural Resources, Forest Practices Division, PO Box 47012, Olympia, WA 98504-7012

Issued By: Steven Huang Title: Forest Practice Forester

Copies Sent To: Landowner (via US Mail), Timber Owner (via US Mail), Operator (via US Mail), WDFW, ECY, Affected Indian Tribes, LGE, other

Washington State Department of Natural Resources • Amendment Request Notice of Decision • July 1, 2010
DNR affidavit of mailing:

On this day 1-15-19, I placed in the United States mail at Sedro-Woolley, WA, postage paid, a true and accurate copy of this Amendment Request Notice of Decision for FPA #2815489.

[Signature]

Washington State Department of Natural Resources • Amendment Request Notice of Decision • July 1, 2010
Request to Amend Forest Practices Application/Notification

Use this to request an amendment to an approved Western Washington, Eastern Washington, or Aerial Chemical Applications/Notifications

TYPE OR PRINT IN INK:

1. Landowner, Timber Owner, and Operator information

<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>Department of Natural Resources</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailing Address:</td>
<td>Mailing Address:</td>
<td>Mailing Address:</td>
</tr>
<tr>
<td>919 N Township St</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City, State, Zip</td>
<td>City, State, Zip</td>
<td>City, State, Zip</td>
</tr>
<tr>
<td>Sedro Woolley, WA 98284</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone (360) 856-3500</td>
<td>Phone ( )</td>
<td>Phone ( )</td>
</tr>
<tr>
<td>Email:</td>
<td>Email:</td>
<td>Email:</td>
</tr>
</tbody>
</table>

2. Approved FPA/N Number 2815489

3. Describe the proposed amendment to the original FPA/N. You can attach revised pages of an FPA/N, or give specific details. Include a new Activity Map if you are proposing any changes to the original.

   It is proposed not to abandon 2940 feet of the SP-10 between stations 0+00 and 29+40 that was planned for abandonment with the Lignum timber sale. This road will be utilized for future forest management activities. This activity will involve leaving in place three culverts, one at station 5+90 on a type 4 stream, one at station 24+81 on a type 5 stream, and one at station 29+00 on a type 5 stream. No other live waters cross the portion of road that is now planned for abandonment. All other cross drain culverts located along the SP-10 between stations 0+00 and 29+40 are functional and will remain in place. An additional cross drain (18" diameter x 36' length) will be added at approximately station 9+89. This cross drain is being added to facilitate drainage away from a landing that was constructed during harvesting operations.

4. I affirm that the information contained herein is true, and understand that this proposed forest practice is subject to the Forest Practices Act and Rules, as well as 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. I understand this amendment is a request for a Notice to Comply for an authorized deviation as described in WAC 222-20-080.

5. [Signature]
   Landowner’s Signature
   Date 4/19