<table>
<thead>
<tr>
<th>FPAN CLASSIFICATION:</th>
<th>Biomass</th>
<th>FFFPP</th>
<th>20-acre exempt</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Landowner Name:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DNR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Name:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>American Royal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRIA:</td>
<td>Snohomish</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WAU:</td>
<td>Woods Creek</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRIA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WAU:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legal Description:</td>
<td>23-29-76; 34-24-76</td>
<td></td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td>Snohomish</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Activity Type:</td>
<td>Harvest 10% 8 ac</td>
<td>Spray ac</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Road 4239 ft</td>
<td>Road Abandonment 6516 ft</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Road Construction</td>
<td>Road Rock Pit 45 ac</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spoils</td>
<td></td>
</tr>
</tbody>
</table>

**ALTERNATIVE PRESCRIPTIONS**

- Alternate Plan
- Ten-Year Forest Management Plan
- Columbia River Gorge National Scenic Area
- Watershed Analysis: Woods Creek

**RESOURCE REVIEW**

- Unstable Slopes (Risk: Highway, Water;)
- Soils Map (Highly Erodible & Very Unstable)
- SLFSTAB
- Landslide Hazard Zonation
- Landslide Inventory Polygon
- Rain-on-Snow and Outside Approved WA
- Hydric Soils
- Wetland (A, B, C, D, E, F, G, H, I)
- In WMZ of A, B, C, D, E, F, G, H, I
- LMZ of Type A, B, C, D, E, F, G, H, I
- Water Verification

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

- SEPA Checklist/Documents
- Large Landowner Road Maintenance and Abandonment Plan

**ASSOCIATED SCANNED DOCUMENTS**

- Conversion Option Harvest Plan
- FPHP Plans & Specifications
- Qualified Expert Report; Type:
- Natural Regeneration Plan
- Shoreline Permit
- Marbled Murrelet Form
- FPFM Appendix(s)
- Small Landowner RMAP Checklist
- CMZ Assessment Form
- SEPA Checklist/Documents
- Large Landowner Road Maintenance and Abandonment Plan

**ADDITIONAL COMMENTS:**

EARR Tax Credit

Form completed by October 2016 Version
PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS APPLICATION. TYPE OR PRINT IN INK.

1. Landowner, Timber Owner and Operator

<table>
<thead>
<tr>
<th>Legal Name of LANDOWNER</th>
<th>Legal Name of TIMBER OWNER (if different than Landowner)</th>
<th>Legal Name of OPERATOR (if different than Landowner)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mailing Address:</td>
<td>Mailing Address:</td>
</tr>
<tr>
<td></td>
<td>Mailing Address: 919 N. Township St.</td>
<td>Mailing Address:</td>
</tr>
<tr>
<td></td>
<td>City, State, Zip</td>
<td>City, State, Zip</td>
</tr>
<tr>
<td></td>
<td>Sedro-Woolley, WA 98284</td>
<td>City, State, Zip</td>
</tr>
<tr>
<td></td>
<td>Phone (360) 856-3500</td>
<td>Phone ( )</td>
</tr>
<tr>
<td></td>
<td>Email:</td>
<td>Email:</td>
</tr>
</tbody>
</table>

2. Contact Person

| Contact Person: Laurie Bergvall | Phone (360) 856-3500 | Email: laurie.bergvall@dnr.wa.gov |

3. Landownership information: See instructions

   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 parcel?

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

   ____________________________

   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.
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>2</td>
<td>28</td>
<td>07</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
<tr>
<td>3</td>
<td>28</td>
<td>07</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
<tr>
<td>34</td>
<td>29</td>
<td>07</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  ☑ 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  ☑ Yes See FPA Narrative

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

11. Are there potentially unstable slopes or landforms in the area of your forest practices activity?
    ☑ 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  ☑ 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. ☑ No  ☐ Yes Within city limits or inside an urban growth area? If yes, see instructions for additional required documents.
   b. ☐ No  ☑ Yes For road work that is included in an approved Road Maintenance and Abandonment Plan (RMAP)?
   c. ☑ 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. ☑ No  ☐ Yes Within 500 feet of a public park? Park name: ________________________________
   e. ☑ 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  ☐ 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. ☑ 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.
h. □ No ☑ Yes An Alternate Plan? If yes, include a copy.

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

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

***** If not working in or over typed waters, skip to Question 18 *****

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, N, F, or S/N)</th>
<th>Existing HPA Number (if applicable)</th>
<th>HPA Expiration Date (if applicable)</th>
<th>Planned Activity (install, replace, remove, temporary maintenance)</th>
<th>Structure (culvert, bridge foot, arch, other) (dimensions of structure)</th>
<th>Proposed Size (length, width, height, other)</th>
<th>Culvert Design Method (No-slope, Stream-sim., Hydraulic, Other) (F and S only)</th>
<th>Channel Bed Width (F and S only)</th>
<th>Stream Gradient (F and S only)</th>
<th>RMAP Project (Y or N)</th>
<th>FFPP Project (Y or N)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

See FPA Narrative

*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.

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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>Activity</th>
<th>Type S Water</th>
<th>Type F Water</th>
<th>Type Np Water</th>
<th>Type Ns Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment Crossing**</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Suspending Cables</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cable Yarding</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>LWD Placement/Removal</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Beaver Dam Removal</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Felling and Bucking</td>
<td>X</td>
<td>X</td>
<td>X</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 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.

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>Road</td>
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<tr>
<td></td>
<td>7,714</td>
<td>45</td>
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<tr>
<td>Total Const.</td>
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<tr>
<td>Total Reconst.</td>
<td>1,525</td>
<td>35</td>
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<tr>
<td>Total</td>
<td>9,239</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>TL-01 Hard Rock Pit</td>
<td>---</td>
<td>---</td>
<td>0.15</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 Forsted)</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>
</table>

See Aquatics Addendum

**** If not harvesting or salvaging timber, skip to Question 29 ****

6/1/2016 Page 4 of 8 Western Washington
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 (T/ 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 tonnes)</th>
<th>Volume to be Harvested (%)</th>
<th>Steepest Slope in Harvest Unit (%)</th>
</tr>
</thead>
</table>

See FPA Narrative

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>
<tbody>
<tr>
<td></td>
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<td></td>
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</tbody>
</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>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</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>
<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>
</table>

See Aquatics Addendum

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 wooded 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:** Blue "Special Management Unit" Tags.
- **Channel Migration Zone:** N/A
- **Wetland Management Zone Boundaries and Leave/Take Trees:** Blue "Special Management Unit" Tags

30. Are you converting the land to non-forestry use within 3 years of harvest?  
☐ 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:
  o The Forest Practices Act and Rules AND
  o 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:
  o Conversion of land to non-forestry use.
  o Harvesting within the maximum RMZ on a 20-acre exempt parcel that was acquired after June 5, 2006.
  o Equipment Crossings/Fords in or over Type S and F Waters.
- Inadvertent Discovery – Chapters 27.44, 27.53, 68.50 and 68.60 RCW
  o 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.
  o 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* (If different than landowner)</th>
<th>Signature of OPERATOR (If different than landowner)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dani O Hohl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Print Name:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniel Hohl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date: 12/12/2016</td>
<td></td>
<td></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:
An office review was conducted by a State Lands cultural resource technician on August 15, 2016 and no cultural historic resources were identified within the proposal area. The Tulalip Tribes, Stillaguamish Tribe of Indians, and Snoqualmie Indian Tribe were contacted on August 8, 2016. No response has been 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, N, etc.)</th>
<th>Existing HPA Number (if applicable)</th>
<th>HPA Expiration Date (if applicable)</th>
<th>Planned Activity (install, replace, remove, temporary, structure maintenance)</th>
<th>Structure (culvert, bridge, fort, etc.)</th>
<th>Proposed Size (dimensions of structure)</th>
<th>Culvert Design Method (no-slope, stream-sim., hydraulic, other)</th>
<th>Channel Bed Width (F and S only)</th>
<th>Stream gradient (%) (F and S only)</th>
<th>RMAP Project (Y or N)</th>
<th>FFPP Project (Y or N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL-0201 41+41</td>
<td>N/A</td>
<td>N/A</td>
<td>Temporary</td>
<td>Culvert</td>
<td>72 x 40</td>
<td>No-slope</td>
<td>3.4'</td>
<td>2.6%</td>
<td>N</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>LL-04 3+35</td>
<td>N/A</td>
<td>N/A</td>
<td>Temporary</td>
<td>Culvert</td>
<td>24 x 32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LL-04 5+35</td>
<td>N/A</td>
<td>N/A</td>
<td>Temporary</td>
<td>Culvert</td>
<td>24 x 36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LL-04 9+45</td>
<td>N/A</td>
<td>N/A</td>
<td>Temporary</td>
<td>Culvert</td>
<td>24 x 36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LL-04 12+70</td>
<td>N/A</td>
<td>N/A</td>
<td>Temporary</td>
<td>Culvert</td>
<td>36 x 60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CWC-89 2+53</td>
<td>N/A</td>
<td>N/A</td>
<td>Temporary</td>
<td>Culvert</td>
<td>87&quot; span x 63&quot; rise x 34&quot; long</td>
<td>Stream simulation</td>
<td>4.2</td>
<td>3.1%</td>
<td>N</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

Page 1 of 5
*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 felled and yarded away from all streams when possible. If yarding occurs over type 5 streams, lead end of logs will be suspended over streams. Equipment for ground-based operations will cross type 5 streams at designated crossings. Designated trees have been marked for large woody debris recruitment in RMZ buffers which are being thinned.

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>TL-02</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TL-0201</td>
<td>4952</td>
<td>45</td>
</tr>
<tr>
<td>TL-0201-06</td>
<td>1271</td>
<td>45</td>
</tr>
<tr>
<td>LL-04*</td>
<td>1525</td>
<td>35</td>
</tr>
<tr>
<td>LL-07</td>
<td>401</td>
<td>25</td>
</tr>
<tr>
<td>CWC-89</td>
<td>1090</td>
<td>25</td>
</tr>
</tbody>
</table>

*Road work is being performed on an existing grade; if the road is utilized then work to be performed includes replacing existing culverts. This existing road will be abandoned.
Q.18 Road Abandonment
Per the FPA Instructions:
A written plan that shows how the road will be left to:
* Control erosion
* Maintain water movement within wetlands and other natural drainages, and
* Prevent four-wheeled highway vehicles from entering the point of closure.

The following will be accomplished as applicable to meet the on-site conditions during the course of road abandonment work:

* Remove all ditch relief culverts. The resulting slopes will be 1:1 or flatter. Place and compact the removed fill material in a location that will not erode into any typed waters or wetlands.
* Remove all culverts in natural drainages. The resulting slopes will be 1 ½ :1 or flatter. Strive to match the existing native stream bank gradient. The natural streambed width will be re-established. Place and compact the removed fill material in a location that will not erode into any typed waters or wetlands.
* Transport all removed culverts off site.
* 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 will be outsloped to provide positive drainage. Outlets will be on stable locations.
* Inslope or outslope the road as appropriate.
* Remove bridges and other structures as applicable.
* Pull back unstable fill that has potential of failing and entering any typed waters or wetlands. Place and compact removed material in a stable location.
* Remove berms except as designed.
* 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.
* May provide a protective cover for seed if revegetation occurs between July 1 and March 31. The protective cover may consist of dispersed straw, jute matting, or clear plastic sheets.
Question #19:
Additional pit(s) may be developed/utilized along haul route or constructed roads. These will be less than 0.5 acre, and located outside of RMZs or sensitive areas.

Question #21:
Ground-based equipment operations will be limited to sustained slopes 35% or less.

<table>
<thead>
<tr>
<th>Unit Number</th>
<th>Harvest Type</th>
<th>Biomass Harvest (Y/N)</th>
<th>Harvest Method</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/ROW*</td>
<td>N</td>
<td>Ground</td>
<td>41.5</td>
<td>818</td>
<td>--</td>
<td>93</td>
<td>65</td>
</tr>
<tr>
<td>2</td>
<td>Even-aged/ROW**</td>
<td>N</td>
<td>Ground</td>
<td>61.3</td>
<td>1,644</td>
<td>--</td>
<td>93</td>
<td>68</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Totals</td>
<td>102.8</td>
<td>2462</td>
<td></td>
<td>68</td>
</tr>
</tbody>
</table>

*Includes 7.5 acres WMZ thinning (81 mbf), 8.7 acres RMZ thinning (56 mbf), 0.6 acres ROW (34 mbf).
**Includes 17.2 acres RMZ thinning (140 mbf), 3.8 acres ROW (28 mbf).

Note: FPA Activity Map labels for Unit 1 and Unit 2:
Unit 1 (1A, 1B, 1C, WMZ1, RMZ 1 through 5, ROW 1-3)
Unit 2 (2A, 2B, 2C, RMZ 6 through 9, ROW 4-7)

Question #29:
Harvest Boundaries- White “Timber Sale Boundary” tags, blue “Special management Unit Boundary” tags, adjacent young stands, last take trees painted with two red bands and a yellow “T”, and the LL-ML and LL-07 roads.

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-tradeable leave trees are marked with two blue bands around the bole.

An ID team meeting was conducted by the pre-sales forester and the forest engineer on October 28, 2016. Representatives from WDFW, Forest Practices, and WA Dept. of Ecology were on site to review two road crossings with culverts over Type-3 streams, a log crib crossing over a Type-4 stream, and a Type-3 to Type 4 stream downgrade. Tulalip Tribes office reviewed the locations of the two road crossings with culverts over Type-3 streams, the Type-3 to Type-4 stream downgrade and the Type-4 stream log crib crossing and gave written concurrence on 11/7/2016.

A log crib crossing will be placed across a Type-4 stream at the location shown on the FPA maps. Stakes and flagging mark the location in the field. The log cribbing must be installed between the markers on the ground. The log crib crossing will be no more than 20 feet long. Installation of log cribbing and yarding over the Type-4 will only take place between 7/1 and 8/31. Installation and yarding shall only occur when no flowing water is present in the stream channel. Operations will cease if flowing water is present in the channel. Log cribbing and all associated material must be completely...
removed from the Type-4 stream when yarding operations are complete, or at the end of the opportunity window between 7/1 and 8/31, whichever is sooner.

Type-3 Stream crossings and culvert installation will adhere to the following:
Disturbed areas shall be protected from surface erosion. Installation window of 7/15 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.

For subgrade reinforcement, geotextile material will be utilized on portions of the TL-0201-06 and CWC-89 roads.

As part of sediment control measures, settling ponds shall be installed on the TL-0201 (Stations 40+86 to 41+23, 41+59 to 41+83) and CWC-89 (Stations 1+99 to 2+29, 2+66 to 2+29).

See culvert installation detail and settling pond detail attached.
SETTLING POND DETAIL

NO SCALE

LEGEND

- settling pond
- bale setup
  (see detail below)

TYPICAL PLAN VIEW

TYPICAL PROFILE

DETAIL: BALE SETUP
1) Anchor bales with posts
   if flow velocity dictates.
2) Pin filter fabric to bale.
3) Use number of bales as needed for effective filtration.

CONTRACT # 30-093899
PROJECT AMERICAN ROYAL
SHEET 34 OF 41
CULVERT INSTALLATION DETAIL
TL-0201 ROAD STATION 41+41
STREAM PROFILE VIEW - No Slope Design

3-FOOT THICK RIPRAPH ARMORING AT 1:1 SLOPE RATIO. CONSTRUCT WITH A MIX OF LIGHT AND HEAVY LOOSE RIPRAPH (40 CY TOTAL REQUIRED).

PROPOSED 72" DIAMETER 40' LONG ROUND CULVERT INSTALLED AT 2%

CHANNEL SLOPE = 1.5%
COUNTERSINK INLET 3.6%
COUNTERSINK OUTLET 5.7%
ELEVATION AT BOTTOM OF CULVERT = 87.44'
ELEVATION AT CENTERLINE = 97.12'

ROAD PROFILE

3% 6.7% 4% 8%

ABANDONED ROADGRADE (EXISTING)
ELEVATION AT CENTERLINE = 97.12'
STREAMBED MIX SHALL BE PLACED TO CREATE A SMOOTH CONTINUITY WITH THE NATURAL STREAM CHANNEL.
ROCK FOR THE STREAMBED (20C') SHALL BE MIXED IN THE FOLLOWING RATIOS:
5 PART PITRUN SAND & GRAVEL
1 PART COBBLE (3-8')

CONSTRUCTION NOTES:
1. THE CONSTRUCTED STREAMBED SHALL BE BLENDED TO MATCH THE EXISTING STREAM AT THE INLET AND OUTLET WITH NO ABRUPT CHANGES IN SLOPE.
2. INSTALL CULVERT AT 0% GRADE.

FPA NOTES:
1. AVERAGE STREAM CHANNEL GRADE OF 2.6% BASED ON 16 MEASUREMENTS IN A 185' REACH.
2. AVERAGE CBW OF 3.4' BASED ON 7 MEASUREMENTS
3. SIGNIFICANT CHANNEL REGRADE IS NOT ANTICIPATED.
4. ROAD GRADES ARE ESTIMATES.
5. LOCATION: S34, T29N, R07E; 47.95279, -121.90329

CONTRACT # 30-093899
PROJECT AMERICAN ROYAL
SHEET 35 OF 41
PROTECTION OF FISH AND WATER QUALITY:
1. Work area shall be either dewatered or have fish exclusion measures in place prior to beginning any in-stream work.
2. Dewatering methods may include:
   - Culvert or Flume Bypass
   - Coffen Dam and Pump(s) equipped with screens to prevent injury of fish
3. Any water that enters the work area shall be pumped to a stable upland location where turbid water will not flow into typed streams. Fish stranded in the bypass reach shall be safely removed to the flowing stream.
4. Where dewatering will not be used, fish shall be excluded from the construction site in accordance with Forest Practices Board Manual, Chapter 5, Section 9 Fish Capture and Exclusion.
5. Work may only occur on or between July 15th and September 30th unless authorized by the Contract Administrator and Permitting Authorities (including Forest Practices and WDFW).

REVEGETATION AND SEDIMENT CONTROL MEASURES
See road plan, clauses: 1-29, 4-7, 8-15, 8-16, 8-17, and 8-18.

FPA Notes:
1. Stream survey encompasses a 185' reach (> 40 x CBW).
2. Relief culverts located at STA 40+40 and 42+58
3. Sediment control structures in the ditch are required at STA 40+86 to 41+23 and 41+59 to 41+83
4. Location: S34, T29N, R07E; 47.95279, -121.90329
3-foot thick riprap armoring at 1:1 slope ratio. Construct with a mix of light and heavy loose riprap (50cy total required).

14' Road width with a 3" crown at centerline
Finished road surface elevation at centerline = 105.77'

12" depth 3"-minus-ballast-rock
Proposed 87" Span x 63" Rise x 34' Long Pipearch Culvert

CHANNEL SLOPE = 2.4%

Elevation of bottom of culvert at outlet = 97.8'
Elevation of bottom of culvert at inlet = 98.61'

FINISHED STREAM PROFILE VIEW - STREAM SIMULATION

Construction Notes:
1. The constructed streambed shall be blended to match the existing stream at the inlet and outlet with no abrupt changes in slope.
2. Install culvert at 2.4% gradient.

FPA Notes:
1. Average CBW = 4.2' based on 9 measurements
2. Average channel gradient = 3.0% in a 179' reach.
3. Significant channel regrade is not anticipated.
4. ROAD GRADES ARE ESTIMATES.
5. LOCATION: S34, T29N, R07E; 47.965303, -121.899800

Pitrun sand & gravel shall be placed to a depth of 18 inches with a 6 inch dip at the center for the streambed (22cy).
PROTECTION OF FISH AND WATER QUALITY:
1. Work area shall be either dewatered or have fish exclusion measures in place prior to beginning any in-stream work.
2. Dewatering methods may include:
   - Culvert or flume bypass
   - Cofferdam and pump(s) equipped with screens to prevent injury of fish
3. Any water that enters the work area shall be pumped to a stable upland location where turbid water will not flow into typed streams. Fish stranded in the bypass reach shall be safely removed to the flowing stream.
4. Where dewatering will not be used, fish shall be excluded from the construction site in accordance with FOREST PRACTICES BOARD MANUAL CHAPTER 5, SECTION 9 FISH CAPTURE AND EXCLUSION.
5. Work may only occur on or between JULY 15TH AND SEPTEMBER 30TH unless authorized by the contract administrator and permitting authorities.

REVEGETATION AND SEDIMENT CONTROL MEASURES
SEE ROAD PLAN, CLAUSES: 1-29, 4-7, 8-1, 8-15, 8-16, 8-17, AND 8-18.
**Subjects Discussed:**

Landowner representative requested a pre-application review of the proposed 2 unit “American Royal” timber sale. Two temporary type F crossings for unit 2 are proposed for this proposal. Also reviewed was request to confirm type 4 stream (stream E) call that is over 2’ wide with under 16% slope of stream in unit 1. The stream flows into a wetland off site that did not connect with other typed water. A temporary log crib/slash crossing is also proposed for the stream (AG) to access and harvest approximately 5 acres of timber. RMZs will be marked on the ground once stream type is decided.

An IDT meeting was held on 10/28/16 to review and discuss the proposal.

Unit 1: The group looked at stream E that is over 2’ wide with less than 16% gradient for proposed type 4 typing; and log crib crossing proposal for stream AG.

Unit 2: The group looked at the two type 3 streams and the proposed culvert plans for both install and abandonment. A concurrence will not be required from DFW for the type F crossing structures as the streams are confined. An FPHP will be required for the proposals. It was decided to remeasure the OHW for CWC-89 as there were some concerns about the OHW measurements.

CWC-89 was remeasured by Dan Hohl and culvert size was adjusted with the new measurements.

RMZs were spot checked on 11/8/16.

**Decisions Made:**

Stream “E” Downgrade: Due to the lack of connectivity to known fish waters at all times of the year, including during peak rain events, approximately 470 feet of Type 3 fish waters will be downgraded to a Type 4 stream.

Stream “AG” Log Crib Crossing: A log crib crossing will be placed approximately 100 feet above the Type 3/Type 4 stream type break. A timing restriction will be put on the crossing, allowing operations to only be conducted in the summer months of July and August. Additionally, no crossing will be allowed if any water is found flowing in the stream during those months. A right-of-way will be designated through the stream buffer to act as a yarding corridor.

Type 3 Crossings:
Culvert size for CWC-89 was adjusted with the new OHW measurements and will be included in road plan by Amy Halgren.

TL-0201 proposed zero percent lay proposal is acceptable. When crossing is abandoned, old fill will be pulled back to meet current road abandonment specs.
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? ☒ Aerial Photo, ☒ LiDAR, ☒ Landslide Inventory, ☒ Landslide Hazard Zone Polygon, ☒ GIS/Other (describe):
   
   State Lands Geologist Office Review. Office reviewed by Northwest Region state lands geologist.

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

   No

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

   No rule identified landforms were observed in the boundaries of the forest practice activity.

   b. What activities may occur in potentially unstable slopes or landforms? Check all that apply:

   ☐ Timber harvest ☐ Road construction ☐ Suspending cables ☐ Yarding ☐ Tailholds

4. a. What potentially unstable slopes or landforms were identified around the area of your forest practices activity? Check all that apply:

   ☒ Inner Gorge ☐ Groundwater recharge areas for glacial deep-seated landslides
   ☐ Bedrock Hollow ☐ Convergent Headwall ☐ Toe of deep-seated landslide
   ☐ Outer edges of meander bends
   ☐ Other (Deep-seated landslides or other features of potentially unstable slopes). Describe:

   b. What activities may occur around potentially unstable slopes or landforms? Check all that apply:

   ☒ Timber harvest ☐ Road construction ☐ Suspending cables ☐ Yarding ☐ 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:

Features were bounded out by locating the topographic slope break and hanging timber sale boundary tags around the feature.

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.

Privately owned structures lie around the area of the proposed forest practices activity. DNR managed land is open to informal, dispersed, non-motorized public use.

7. Date of field review: 10/4/16

Person(s) that conducted field review: Daniel Hohl NRS1
Name Title/position

Name 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.
FOREST PRACTICES ACTIVITY MAP

SALE NAME: AMERICAN ROYAL
APPLICATION #: None
COUNTY(S): SNOHOMISH
TOWNSHIP(S): T29R07E, T28R07E

Prepared By: dhoh490 11/09/2016
Modification Date: 1/30/2017

Timber Sale Unit
Right-of-Way
Wetland Mgt Zone
Forested Wetland
Riparian Mgt Zone
Leave Tree Area
DNR Managed Lands

Public Land Survey Sections
Public Land Survey Townships
Existing Roads
Temporary Construction
Existing Abandon/Orphan Road
A, B, C...Stream Identifier
Area Field Reviewed By Forester
Intermittent Inner Gorge Feature

Streams
Stream Type
Stream Type Break
Culvert
Tics - 2000' Interval
Monumented Corners
Watershed Analysis Worksheet
(Use a separate worksheet for each Watershed Analysis Unit)

Watershed Administrative Unit Name: Woods Creek

Check all of the following that apply:

- I have reviewed the Watershed Analysis Prescription documents. My proposal is not located on or adjacent to any of the described features. Prescriptions do not effect my proposal.
- I have reviewed the descriptions and maps for all prescriptions. My proposal is located on or adjacent to the following prescription areas:
  - Surface Erosion Prescriptions
  - Mass Wasting Prescriptions
  - Hydrology Prescriptions
  - Water Quality
  - Water Supply / Public Works
  - Riparian – applicable to landowners using the 20 acre exempt RMZ rule

Complete the following information for each prescription that affects your proposal or is adjacent to your proposal. Identify the resource sensitivity name and if you are implementing the prescriptions or not.
Attach required reports and additional information as necessary.

<table>
<thead>
<tr>
<th>Resource Sensitivity Name/No: Basin wide road erosion (P.16)</th>
<th>Implementing Prescription: Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describe harvest techniques proposed</td>
<td>Prescription 1: Pioneering shall not extend more than 500 feet beyond completed construction between October 15 and May 1.</td>
</tr>
<tr>
<td>Describe road techniques proposed</td>
<td>Prescription 2: All exposed soil areas resulting from road construction will be grass seeded within one month of exposure. A protective cover of straw or some other suitable material will be used if disturbance occurs between July 1 and March 31.</td>
</tr>
<tr>
<td>Describe other techniques proposed</td>
<td>Prescription 3: Drainage shall be provided on all uncompleted construction as approved by contract administrator. All ditch water will be diverted onto forest floor by means of cross drain culverts or ditchouts in order to avoid delivery of sediments to streams.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Resource Sensitivity Name/No: DD-2 LOD recruitment (P.2,4)</th>
<th>Implementing Prescription: Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describe harvest techniques proposed</td>
<td>Current HCP management procedures exceed protection defined in WAU prescription. Thinning prescription for current proposal includes requirements for LOD recruitment. When thinning RMZs equipment will stay 50 feet back from the 100-year flood plain.</td>
</tr>
</tbody>
</table>

DNR USE ONLY
Reviewed by: __________
Date: __________
Resource Sensitivity Name/No: BB-1 Fine sediment input to streams (P.18,20)
Implementing Prescription: Yes or No

<table>
<thead>
<tr>
<th>Describe harvest techniques proposed</th>
<th>Current mapping shows all areas within the proposal as low surface erosion potential. No skidder yarding will occur with this proposal. All ground based harvesting will be done by tracked shovel yarding. All trees will be felled perpendicular to and away from streams. Type 5 stream crossings will incorporate temporary crossing measures to protect stream channel integrity. Harvesting operations will avoid exposing mineral soil within 50 feet Type 3, 4, and 5 waters.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describe road techniques proposed</td>
<td></td>
</tr>
<tr>
<td>Describe other techniques proposed</td>
<td></td>
</tr>
</tbody>
</table>

Watershed Analysis Worksheet Instructions

This form must be submitted along with your Forest Practice Application/Notification (FPA) form if:

- You are harvesting timber (including salvage) or constructing roads within or adjacent to an approved Watershed Administrative Unit. OR
- If you answered yes to Question # 5 of the FPA because you are substituting Watershed Analysis Prescriptions.

A separate worksheet should be used for each Watershed Administrative Unit.

The following information must be included in the space provided or on additional pages.

- The name of the Watershed Administrative Unit where your proposal is located.
- Check all of the boxes that apply regarding your review of Watershed Analysis Prescriptions.
- Indicate each Resource Sensitivity Name (prescription name) that may affect your proposal.
- Indicate if you are implementing the prescription.
- Describe the specific harvest, road and other techniques you will use to implement the prescription.

Many prescriptions provide a landowner with a variety of different operational options. Sufficient detail needs to be included so that we can evaluate your proposal.

If your proposal is located on an area of resource sensitivity (prescription) AND you are choosing not to follow the prescription your FPA will processed as a Class IV-Special and require a State Environmental Policy Act (SEPA) checklist.

DNR USE ONLY

Reviewed by: __________ Date: __________
KLEPL, THERESA (DNR)

From: Hohl, Daniel (DNR)
Sent: Monday, January 30, 2017 4:46 PM
To: KLEPL, THERESA (DNR)
Subject: FW: American Royal Timber Sale in Woods Creek WAU

Theresa,

This is the email correspondence between John Moon, Garth Anderson and Steve Huang regarding the Woods Creek WAU and implementing the DD-2 prescription. If you need any more information please let me know.

Thanks,

-Dan

From: ANDERSON, GARTH (DNR)
Sent: Tuesday, December 13, 2016 3:11 PM
To: Moon, John (DNR) <John.Moon@dnr.wa.gov>; HUANG, STEVEN (DNR) <STEVEN.HUANG@dnr.wa.gov>; Hohl, Daniel (DNR) <Daniel.Hohl@dnr.wa.gov>
Subject: RE: American Royal Timber Sale in Woods Creek WAU

John: I discussed this with Steve Huang today & we agreed that your discussions with him are sufficient regarding this WA prescription. Thanks, Garth

Garth S. Anderson
Engineering Geologist
Forest Practices Division
Washington State Department of Natural Resources (DNR)
Phone (360) 854-2829
garth.anderson@dnr.wa.gov
www.dnr.wa.gov

From: Moon, John (DNR)
Sent: Monday, December 12, 2016 1:10 PM
To: ANDERSON, GARTH (DNR) <GARTH.ANDERSON@dnr.wa.gov>; HUANG, STEVEN (DNR) <STEVEN.HUANG@dnr.wa.gov>; Hohl, Daniel (DNR) <Daniel.Hohl@dnr.wa.gov>
Subject: RE: American Royal Timber Sale in Woods Creek WAU

Hi all,

Steve and I managed to run into each other at the Granite Falls work center last week and we had a chance to talk about the site and the applicable Woods Creek WAU erosion related prescriptions. To summarize briefly what we discussed, we are proposing to use tracked ground based harvesting equipment throughout the sale. There are very small isolated pockets within Unit 1B that exceed the 30% slope erosion limitation, as prescribed on pg. 18 of the WAU prescriptions and mapped on Map BB-1. Steve and I discussed that any erosion resulting from soil disturbance associated with ground based harvesting will be mitigated through the use of stream buffers and operational restrictions adjacent to stream channels. It is my understanding that we do not need any further mitigating actions associated with this proposal.
Garth, I would be happy to sit down with you at NW and discuss this further with maps and prescriptions in front of us if you would like. Please let me know if you are interested in meeting and when you might be available. Or if you feel the review Steve and I did was sufficient just let me know.

Thanks everyone for your help,
John

John Moon
Boulder Unit Forester
Northwest Region - Cascade District
Washington Dept. of Natural Resources
(360) 770-4436
john.moon@dnr.wa.gov

From: ANDERSON, GARTH (DNR)
Sent: Wednesday, November 30, 2016 4:06 PM
To: Moon, John (DNR) <John.Moon@dnr.wa.gov>; HUANG, STEVEN (DNR) <STEVEN.HUANG@dnr.wa.gov>; Hohl, Daniel (DNR) <Daniel.Hohl@dnr.wa.gov>
Subject: RE: American Royal Timber Sale in Woods Creek WAU

John: I will be on A/L until Mon. Dec. 12, so my participation would have to be after that. Garth

Garth S. Anderson
Engineering Geologist
Forest Practices Division
Washington State Department of Natural Resources (DNR)
Phone (360) 854-2829
garth.anderson@dnr.wa.gov
www.dnr.wa.gov

From: Moon, John (DNR)
Sent: Wednesday, November 30, 2016 3:15 PM
To: HUANG, STEVEN (DNR) <STEVEN.HUANG@dnr.wa.gov>; ANDERSON, GARTH (DNR) <GARTH.ANDERSON@dnr.wa.gov>; Hohl, Daniel (DNR) <Daniel.Hohl@dnr.wa.gov>
Subject: American Royal Timber Sale in Woods Creek WAU

Hello All,

Steve and I talked about 2 weeks ago regarding the American Royal timber sale and the surface erosion prescriptions associated with the Woods Creek WAU. In the prescription it states that ground based yarding is not allowed on areas mapped as high surface erosion potential on slopes greater than 30%. We have a small area where this occurs within Unit 1 of our timber sale, the area is generally less than 30% slope but there are a few spots where short sections of the hill exceed 30% (as mapped with lidar). The most recent soils report shows this area as a mix of high and low erosion potential. I am not sure if the new mapping of erosion potential would supersede the mapping with the WAU prescription from 1992.

I would like to have a quick office review of the WAU prescription and the mapping associated with this timber sale to be sure we are either meeting the prescription or we are providing the correct information for an alternate plan if it is needed. I believe this would be a very brief review, likely less than 30 minutes. I am available next week Tuesday (12/6) and Friday (12/9) and the following week Monday (12/12) and Friday (12/16). Please let me know if one of these days would work and what time would work best. If one of these days does not work please suggest another day and time and we will try to make it work.
Thank you for your time,

John

**John Moon**  
Boulder Unit Forester  
Northwest Region - Cascade District  
Washington Dept. of Natural Resources  
(360) 770-4436  
john.moon@dnr.wa.gov
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 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>
</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).

Wetlands Protection, Road Construction within Wetland Buffers:
There is approximately 360 feet of road construction within the WMZ of W2. W2 is a forested wetland with a site index buffer. There is approximately 0.34 acres of wetland buffer lost through road construction and approximately 0.26 acres separated from the larger WMZ as a result of road construction. There is no loss of wetland function, however approximately 0.6 acres have been added to the WMZ as mitigation.

Wetland Management Zones:
Wetlands which cover an area greater than 1/4 acre, but less than 1 acre have 100-foot buffers. Wetlands which cover an area greater than 1 acre received site index buffers.

A majority of the WMZs will be thinned as part of the proposal, leaving approximately 85-110 trees per acre.

Riparian Management Zones Type 1, 2 and 3 Waters:
All stream buffers were calculated using the 100-year site index buffer for Douglas-fir on the specific site they are located. All stream buffers begin from the 100-year flood plain except when superseded by stream associated wetlands as was done for Streams T, V, AA, and AJ. No wind buffers were applied to any of the stream buffers based on the low susceptibility to wind throw in this area. Low susceptibility was determined by making visual observations of the area. Road construction will occur in the RMZ of Type 3 streams V and AA, and Type 2 stream AJ (Roesiger Creek).

See "Harvesting or Salvaging within Type 1,2,3, and 4 Riparian Management Zones" below for prescription and post-harvest stand conditions for stream A, G, T, AA, and AJ (Roesiger Creek) RMZs.

Riparian Management Zones Type 4 and 5 Waters:
All Type-4 waters have a 100-foot buffer measured from the outer edge of the 100-year flood plain except when superseded by a stream associated wetland. Road construction will occur in the RMZ of Type 4 stream E.
All Type-5 waters will have a 30-foot equipment limitation zone. All trees are to be felled and yarded perpendicular to and away from streams where feasible.

Harvesting or Salvaging within Type 1, 2, 3, and 4 Riparian Management Zones: Forest Practices Activity Map labeled RMZs 1-9 represent riparian management zones to be thinned. All prescriptions were designed to accelerate stands to the RDFC targets.

- Riparian Management Zone (RMZ) Variable Density Thinning leaving approximately 70-160 trees per acre.

See Attached Table
<table>
<thead>
<tr>
<th>Stream Segment Identifier or Wetland Identifier</th>
<th>Water Type or Wetland &quot;forested or open water&quot;</th>
<th>Site Class</th>
<th>Stream Width (feet) or Wetland Size</th>
<th>Is there a RMZ/WMZ? Yes or No</th>
<th>Thinning RMZ/WMZ? Yes or No</th>
<th>Total Width of RMZ/WMZ</th>
<th>Wind Buffer? Yes, No (for T-3, 2, 1) or N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3</td>
<td>II</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>Yes</td>
<td>170 / 180</td>
<td>No</td>
</tr>
<tr>
<td>C</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</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>II</td>
<td>&lt;2 feet</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>4</td>
<td>II</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>Yes</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>F</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</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>3</td>
<td>II</td>
<td>&gt;5 feet</td>
<td>No</td>
<td>Yes</td>
<td>170 / 180</td>
<td>No</td>
</tr>
<tr>
<td>H</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</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>II</td>
<td>&lt;2 feet</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>II</td>
<td>&lt;2 feet</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>II</td>
<td>&lt;2 feet</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>II</td>
<td>&lt;2 feet</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>3</td>
<td>II</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>Yes</td>
<td>170 / 180</td>
<td>No</td>
</tr>
<tr>
<td>N</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</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>II</td>
<td>&lt;2 feet</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>II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>Q</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>R</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>S</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>T</td>
<td>3</td>
<td>II</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>Yes</td>
<td>170 / 188</td>
<td>No</td>
</tr>
<tr>
<td>U</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>V</td>
<td>3</td>
<td>II</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>Yes</td>
<td>170 / 194</td>
<td>No</td>
</tr>
<tr>
<td>W</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>X</td>
<td>5</td>
<td>II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>5</td>
<td>II</td>
<td>&lt; 2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>Z</td>
<td>5</td>
<td>II</td>
<td>&lt; 2 feet</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>II</td>
<td>&gt; 2 feet</td>
<td>No</td>
<td>Yes</td>
<td>170 / 188</td>
<td>No</td>
</tr>
<tr>
<td>AB</td>
<td>5</td>
<td>II</td>
<td>&lt; 2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>AC</td>
<td>5</td>
<td>II</td>
<td>&lt; 2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>AD</td>
<td>5</td>
<td>II</td>
<td>&lt; 2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>AE</td>
<td>5</td>
<td>II</td>
<td>&lt; 2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>AF</td>
<td>5</td>
<td>II</td>
<td>&lt; 2 feet</td>
<td>No</td>
<td>No</td>
<td>0/30-foot equipment limitation zone.</td>
<td>N/A</td>
</tr>
<tr>
<td>AG</td>
<td>4</td>
<td>II</td>
<td>&lt; 2 feet</td>
<td>No</td>
<td>No</td>
<td>50/100</td>
<td>N/A</td>
</tr>
<tr>
<td>AJ (Roesiger) Creek</td>
<td>2</td>
<td>II</td>
<td>&gt; 20 feet</td>
<td>No</td>
<td>Yes</td>
<td>170 / 187.5</td>
<td>No</td>
</tr>
<tr>
<td>W1</td>
<td>Forested Wetland</td>
<td>II</td>
<td>&gt; ¼ acre but &lt; 1 acre</td>
<td>N/A</td>
<td>Yes</td>
<td>0 / 100</td>
<td>N/A</td>
</tr>
<tr>
<td>W2</td>
<td>Forested Wetland</td>
<td>II</td>
<td>&gt; 1 acre</td>
<td>N/A</td>
<td>Yes</td>
<td>0 / 188</td>
<td>N/A</td>
</tr>
<tr>
<td>W3</td>
<td>Forested Wetland</td>
<td>II</td>
<td>&gt; ¼ acre but &lt; 1 acre</td>
<td>N/A</td>
<td>Yes</td>
<td>0 / 100</td>
<td>N/A</td>
</tr>
<tr>
<td>W4</td>
<td>Forested Wetland</td>
<td>II</td>
<td>&gt; 1 acre</td>
<td>N/A</td>
<td>Yes</td>
<td>0 / 188</td>
<td>N/A</td>
</tr>
<tr>
<td>W5</td>
<td>Forested Wetland</td>
<td>II</td>
<td>&gt; ¼ acre but &lt; 1 acre</td>
<td>N/A</td>
<td>Yes</td>
<td>0 / 100</td>
<td>N/A</td>
</tr>
<tr>
<td>W6</td>
<td>Forested Wetland</td>
<td>II</td>
<td>&gt; ¼ acre but &lt; 1 acre</td>
<td>N/A</td>
<td>No</td>
<td>0 / 100</td>
<td>N/A</td>
</tr>
<tr>
<td>W7</td>
<td>Forested Wetland</td>
<td>II</td>
<td>&gt; 1 acre</td>
<td>N/A</td>
<td>No</td>
<td>0 / 194</td>
<td>N/A</td>
</tr>
</tbody>
</table>
DNR Trust Forestland HCP Water Typing Key
ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID V, AA

DATE 10/25/2016

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?
   _X_ 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.
DNR Trust Forestland HCP Water Typing Key

ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID A.G.M.T DATE 10/25/2016

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
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%?
   - X 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.
   - X 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 300 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


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?
   ____ 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.

1-14-08
Forest Practices Application/Notification Addendum
DNR Trust Lands HCP Implementation Checklist for the Marbled Murrelet, 2014
North Puget Planning Unit Only

Refer to the DNR Trust Lands HCP Implementation Summary for the Marbled Murrelet, 2014 and North Puget Planning Unit (NPPU) memos dated 02/23/2007 and 06/12/2009. Marbled Murrelet GIS habitat and occupied site delineation is available at on the Quick Data Loader and State Uplands Viewing Tool titled “State Lands – Marbled Murrelet – HCP Policy”.

1. Is the proposed Forest Practices activity within potential habitat, occupied site, Criteria 3 newly identified habitat or suitable habitat not available for release?  
   - ☐ 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 releasable1 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 ≥ 5 acres but ≤ 10 acres with ≤ 10 platforms per acre OR Habitat > 10 acres but ≤ 20 acres with ≤ 5 platforms per acre. Criteria 2 habitat is: Habitat ≥ 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 ≤ 15 platforms per acre. Criteria 3 is: Habitat ≥ 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 \( \frac{1}{4} \) mile of any marbled murrelet occupied site(s), Criteria 3 newly identified habitat or unsurveyed suitable MM habitat\(^2\)?

☐ 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.

Does not apply.

\(^2\) “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?
   □ Yes, No timber harvest allowed, harvest deferral of Nest Patches, refer to Substitution Agreement, Section I.A. **End Checklist.** Maintenance of existing roads is permitted. Describe road maintenance activity in Question #13.
   ✗ 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.
10. Is the Forest Practice activity located within the OESF?
☐ No, Go to #11.
☒ Yes, 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.
November 18, 2016

TO: Dan Hohl, Forester

FROM: Lisa Egtvedt, Wildlife Biologist

SUBJECT: Wildlife Review of the Proposed American Royal Timber Sale

This memo serves as documentation of a region biologist review of the proposed American Royal Timber Sale in sections 2 and 3 of Township 28 North, Range 7 East, and section 34 of Township 29 North, Range 7 East. I conducted field reviews of portions of the proposal on two separate visits. On 4/18/16 I covered areas within and adjacent to Unit 2, in order to verify marbled murrelet habitat delineation that had been conducted by DNR seasonal biologists. On 9/7/16 I was accompanied by Dan Hohl (presales forester) in order to verify delineation that had been conducted in Unit 1. This delineation had been conducted by John Moon, John Van Hollebeke, and Hollis Crapo (who have all been trained to conduct murrelet habitat delineation). Other purposes of my 9/7 visit were to assess the proposal for HCP habitat features and provide recommendations for the leave tree strategy.

Based on the site visit and a GIS review, I have the following input:

Unit 1

- I verified that the scattered platform trees that were found in this stand are technically countable, but are marginal in quality (consisting of forked tops and broken tops). These would not even be considered "structurally unique" trees for the leave tree strategy. Neither this stand nor the adjacent stands contain suitable marbled murrelet habitat.

- Some snags were observed during the field visit, but most of these are relatively small-diameter and/or have bear damage at the base (therefore, they may not remain standing for long). One ~40-foot snag was observed with a small woodpecker nest cavity (likely of a red-breasted sapsucker), and it was noted that there may be some higher-quality snags in the eastern portion of the unit, where there are larger trees.

- Recommendations for leave tree selection included targeting snags (over 15" dbh, if present), as well as vine maple patches with associated moss communities (if present) for leave tree areas (LTAs). During the field visit, Dan informed me that he was also planning to protect some type 5 streams/seeps, as well as mark a small LTA in an older patch within the stand. I have since been informed that there were not any vine maple patches to target, but the LTA in the older patch does contain a snag.

- There is an unusually large LTA that is also located on the edge of this unit. The reasoning for this placement and size is to protect a network of type 5 streams and wetlands less than 0.25 acre in size, along with some large down woody material.

- It should be noted that a significant portion of this unit will include thinning in riparian and wetland management zones (8.7 and 7.5 acres, respectively).

Unit 2

- Most of my observations associated with this unit actually ended up being outside of the unit, where a number of platform trees are located. Most of these trees are within a
couple of RMZs that are planned for thinning, or to the north of the unit. None of them comprise a suitable habitat block of five acres or more, but some of them are of high quality.

- During the 9/7 visit, I reviewed the southern portion of this unit, referred to as “2A”. I did not observe any uncommon habitat features, though I did note an unusual amount of Sitka spruce (SS) trees in the stand (including in more “upland” conditions than this species is typically found). I also noted several large-diameter Douglas-fir (and SS) trees within.

- Recommendations for leave tree selection included targeting some of the large-diameter trees, particularly any containing suitable platform structures. Many of the PFTs associated with this unit are located within RMZs and WMZs (or are entirely out of the unit). Therefore, they could not be marked as leave trees; however, it is also not likely that they will be removed per the thinning prescriptions. For an added layer of awareness and protection for these trees, there will be Notes to the CA addressing the need for retention of PFTs when locating yarding corridors.

- This unit has a couple of unusually large LTAs, also located on the edge of the unit. These LTAs have been marked in order to protect some large trees, “legacy” logs with good habitat structure and other large down woody debris, and some connections between upland and wetland habitat (including one side of a type 5 stream).

General Proposal Area

Field reconnaissance found no uncommon habitat features within or adjacent to either of the units of the proposal, aside from large and/or structurally unique trees in and adjacent to Unit 2.

Following a GIS review of WDFW and DNR wildlife & habitat databases, it was determined:

- There are a number of wetlands in the vicinity of the proposal.
- The nearest known occupied marbled murrelet site (on DNR-managed land) is located approximately five miles to the northeast of Unit 1. There is high likelihood of an occupied site on City of Everett land (in the Lake Chaplain Watershed) approximately 1-1.5 miles to the northeast of Unit 1. This is based on numerous detections that were made in the vicinity of Lake Chaplain. Because the site has not been specifically located or delineated, the exact configuration of the occupied stand is not known. However, it is located far enough away from the proposal that it would not warrant mitigation measures for the protection of known occupied sites (in association with this proposal).

Besides those mentioned above, no other occurrences of habitats or species of concern are reported within or near the proposal area.

Thank you for the opportunity to review and provide input for this proposal.
Dan,

On the basis of the conversations you and I have had and the desktop review I have conducted, I am in agreement, at this time.

Thank you.

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

From: Hohl, Daniel (DNR) [mailto:Daniel.Hohl@dnr.wa.gov]
Sent: Wednesday, November 2, 2016 3:28 PM
To: Bails, Jamie L (DFW) <Jamie.Bails@dfw.wa.gov>; Penhale, Bob (ECY) <BPEN461@ECY.WA.GOV>; HUANG, STEVEN (DNR) <STEVEN.HUANG@dnr.wa.gov>; Derek Marks <dmarks@tulaliptribes-nsn.gov>  
Cc: HALGREN, AMY (DNR) <AMELIA.HALGREN@dnr.wa.gov>; Moon, John (DNR) <John.Moon@dnr.wa.gov>  
Subject: American Royal Proposed Stream Actions

Good evening,

Below, I have summarized the discussions I have had with all of you regarding the stream downgrade and the Type-4 stream crossing for the American Royal Timber Sale. After reading the summary please email me back explicitly saying that you concur with these decisions and are in agreement going forward for this sale.

**Stream “E” Downgrade:** Due to the lack of connectivity to known fish waters at all times of the year, including during peak rain events, approximately 470 feet of Type 3 fish waters will be downgraded to a Type 4 and be bound out of the timber sale.

**Stream “AG” Log Crib Crossing:** A log crib crossing will be placed approximately 100 feet above the Type 3 / Type 4 stream type break. (This is the same location identified in the field and represented on the maps) A timing restriction will be put on the crossing, allowing operations to only be conducted in the summer months of July and August. Additionally, the contract will be written so that no crossing will be allowed if any water is found flowing in the stream during those months. A right-of-way will be designated through the stream buffer to act as a yarding corridor.

Please email me back if you approve and consent to the two proposals.

Thank you all for your time and the meaningful conversations that resulted from the site visit and phone conversations. I look forward to working with everyone again should the need arise.
-Dan

**Daniel Hohl**
Pre-Sales Forester
Northwest Region – Cascade District
Washington Dept. of Natural Resources
Cell: (585) 645-5534
daniel.hohl@dnr.wa.gov
Hi Daniel, I am in agreement with your proposal below. Except, the log crossing may be installed in September if there are low or no flows.

Thanks for the opportunity to comment.

Jamie

Good evening,

Below, I have summarized the discussions I have had with all of you regarding the stream downgrade and the Type-4 stream crossing for the American Royal Timber Sale. After reading the summary please email me back explicitly saying that you concur with these decisions and are in agreement going forward for this sale.

Stream “E” Downgrade: Due to the lack of connectivity to known fish waters at all times of the year, including during peak rain events, approximately 470 feet of Type 3 fish waters will be downgraded to a Type 4 and be bound out of the timber sale.

Stream “AG” Log Crib Crossing: A log crib crossing will be placed approximately 100 feet above the Type 3 / Type 4 stream type break. (This is the same location identified in the field and represented on the maps) A timing restriction will be put on the crossing, allowing operations to only be conducted in the summer months of July and August. Additionally, the contract will be written so that no crossing will be allowed if any water is found flowing in the stream during those months. A right-of-way will be designated through the stream buffer to act as a yarding corridor.

Please email me back if you approve and consent to the two proposals.

Thank you all for your time and the meaningful conversations that resulted from the site visit and phone conversations. I look forward to working with everyone again should the need arise.

-Dan

Daniel Hohl
Pre-Sales Forester
Northwest Region – Cascade District
Forest Practices Application/Notification
Notice of Decision

DECISION:

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

Operations shall not begin before the effective date.

This Forest Practices Application is subject to the conditions listed below.

This Forest Practices Application is disapproved for the reasons listed below.

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:

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: 2/22/2017

Copies to: [X] Landowner, Timber Owner and Operator

Issued in Person: [X] Landowner [ ] Timber Owner [ ] Operator
**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:

<table>
<thead>
<tr>
<th>Office of the Attorney General</th>
<th>Department Of Natural Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Resources Division</td>
<td>Northwest Region</td>
</tr>
<tr>
<td>1125 Washington Street SE</td>
<td>919 N Township Street</td>
</tr>
<tr>
<td>PO Box 40100</td>
<td>Sedro-Woolley, WA 98284</td>
</tr>
<tr>
<td>Olympia, WA 98504-0100</td>
<td></td>
</tr>
</tbody>
</table>

**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 offices and on the Forest Practices Division website: http://www.dnr.wa.gov/businesspermits/forestpractices. Notify DNR of new Operators within 48 hours.

**Continuing Forest Land Obligations (RCW 76.09.060, RCW 76.09.070, RCW 76.09.390, and WAC 222-20-055)**

Obligations include reforestation, road maintenance and abandonment plans, conversions of forest land to non-forestry use and/or harvest strategies on perennial non-fish habitat (Type Np) waters in Eastern Washington.

Before the sale or transfer of land or perpetual timber rights subject to continuing forest land obligations, the seller must notify the buyer of such an obligation on a form titled “Notice of Continuing Forest Land Obligation”. The seller and buyer must both sign the “Notice of Continuing Forest Land Obligation” form and send it to the DNR Region Office for retention.

This form is available at DNR region offices.

If the seller fails to notify the buyer about the continuing forest land obligation, the seller must pay the buyer's costs related to continuing forest land obligations, including all legal costs and reasonable attorneys' fees incurred by the buyer in enforcing the continuing forest land obligation against the seller.

Failure by the seller to send the required notice to the DNR at the time of sale will be prima facie evidence in an action by the buyer against the seller for costs related to the continuing forest land obligation prior to sale.

**DNR affidavit of mailing:**

On this day ________, 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)
Revisions to FPA/N _2815613__________

<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/12/2017</td>
<td>Transfer Form</td>
<td>Change of timber owner &amp; operator</td>
</tr>
</tbody>
</table>
I, the Department of Natural Resources, 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:** 2815613  
**Section(s):** 2, 3  
**Township:** 28  
**Range:** 7E

**Original Landowner (Signature):**  
**Original Landowner (Printed):** COURTNEY BRENDHOF

**Date:** 6/12/17

---

### New Operator

**Legal Name of New Operator:** AMERICAN ROYAL  
**Mailing Address:** 14353 MCFARLAND ROAD  
**Mount Vernon, WA 98273**

**Phone:** 360 424-7619

**Email:**  

**New Operator Signature:**  
**Date:** 5/26/17

---

### New Landowner

**Legal Name of New Landowner:** (Print)  
**Mailing Address:**

**Phone:**  

**Email:**  

**New Landowner Signature:**  
**Date:**

---

### New Timber Owner

**Legal Name of Timber Owner:** (Print)  
**Mailing Address:**  
**14353 MCFARLAND ROAD**  
**Mount Vernon, WA 98273**

**Phone:** 360 424-7619

**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:** 5/26/17

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**Received by:**  
**Date:** 6/13/17  
(DNR Forest Practices Staff Signature)  
11/08/2005 Form QG50
<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/12/2017</td>
<td>Transfer Form</td>
<td>Change of timber owner &amp; operator</td>
</tr>
<tr>
<td>8-26-17</td>
<td></td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Change of Operator</td>
</tr>
</tbody>
</table>
Forest Practices Application/Notification

NOTICE OF TRANSFER

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

FPA/N Number: 2815613  Section(s): 2/3/34  Township: 28/29  Range: 07E

Original Landowner (Signature): [Signature]

Original Landowner (Printed): COURTNEY ABGINHOFF  Date: 8/19/17

| New Operator – Fill out this section only if you are changing or adding an operator |
|---------------------------------|---------------------------------|
| **Legal Name of New Operator:** | **Mailing Address:** |
| (Print)                        | 4040 Mount Baker Hwy           |
| **Phone:**                     | Everson, WA 98247               |
| **Email:**                     |                                 |
| **New Operator Signature:**    | **Date:** 8/10/2017             |

| New Landowner – Fill out this section only if you are transferring your FPA to a new landowner |
|---------------------------------|---------------------------------|
| **Legal Name of New Landowner:** | **Mailing Address:** |
| (Print)                        |                                 |
| **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:** | **Mailing Address:** |
| (Print)                        | 14353 McFarland Rd             |
| **Phone:**                     | Mount Vernon, WA 98273         |
| **Email:**                     |                                 |
| **Forest Tax Reporting Account Number:** | **Date:** |
| (Contact Dept. of Revenue to get this number: 1-800-548-8829) |   |
| 800 059 489                    |                                 |
| **New Timber Owner Signature:** | **Date:**                        |

[Signature]  Date: 8/10/19

(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

Appeal Information (RCW 76.09.090(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 919 N Township St, Sedro-Woolley, WA 98284
- 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, DOE, Affected Indian Tribes, LGE, other: FPDM, FPCoord,

DNR affidavit of mailing:

On this day 9-14-19, 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 # 2815613

(Printed name)  (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>Sierra Pacific Industries</td>
<td>A.L.R.T Corporation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address</th>
<th>Address</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address:</td>
<td>Mailing Address:</td>
<td>Mailing Address:</td>
</tr>
<tr>
<td>919 N. Township St.</td>
<td>14353 McFarland Road</td>
<td>4040 Mount Baker Hwy</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>Mount Vernon, WA, 98273</td>
<td>Everson, WA, 98247</td>
</tr>
<tr>
<td>Phone (360) 856-3500</td>
<td>Phone (360) 424-7619</td>
<td>Phone (360) 592-5300</td>
</tr>
</tbody>
</table>

2. Approved FPA/N Number **2815813**

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.

Two log stringer bridges are proposed for installation rather than two countersunk culverts. The proposed bridges would be in lieu of the 72" x 40" culvert at station 41+40+10 the TL-0201 road and the 87" x 63" x 34" pipe arch culvert at station 2+62 on the CWC-89 road. Both of these crossing structures are located on optional road segments and are planned for abandonment. Installation of both proposed pipes are designed to be countersunk and filled with gravel. This would entail dewatering both streams, digging down the existing stream channels, and then filling both pipes with gravel material that is inconsistent with current stream characteristics. Removal of both pipes would again entail dewatering, removing the gravel material, and sloping both stream channels back to the conditions that were present prior to installation. The installation and removal process for both log stringer bridges would not require dewatering, digging within the stream channels, or filling with gravel. This would result in little to no stream work and significantly reduce impacts to the fish bearing streams. It would also result in both streams retaining their current bed and bank integrity during both the installation and removal process. Drawings for the proposed log stringer bridges are provided and would be built to current DNR specifications, except for riprap installation. Riprap would not be installed because both streams are low gradient with low flow, even during peak events, and would result in less disturbance to stream beds and banks.

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 222-20-060.

5. **Landowner's Signature**

08/29/2017

QQ-46W (Revised 12/22/06)