Forest Practices Application/Notification
Office Checklist Page 1
Northwest Region

<table>
<thead>
<tr>
<th>FPAN Classification:</th>
<th>Biomass [ ]</th>
<th>FFFPP [ ]</th>
<th>20-acre exempt [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landowner Name:</td>
<td>Project Name:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRIA:</td>
<td>WAU:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRIA:</td>
<td>WAU:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRIA:</td>
<td>WAU:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legal Description:</td>
<td>Stream Crossing(s): 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td>Road Abandonment: 47.6 ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Activity Type:</td>
<td>Spray ac 85</td>
<td>Road Rock Pit 1 ac</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Construction 210 ft</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

RESOURCES REVIEW
- [ ] Unstable Slopes (Risk: Highway, Water, ______________)
- [ ] Soils Map (Highly Erodible & Very Unstable)
- [ ] landslide Hazard Zonation
- [ ] Landslide Inventory Polygon
- [ ] Rain-on-Snow and Outside Approved WA
- [ ] Hydric Soils
- [ ] Wetland, A, B
- [ ] In WMZ of A, or [ ] B Wetland
- [ ] In RMZ/ELZ of Type S, D, B, [ ] N water
- [ ] Water Verification

ASSOCIATED NON-SCANNED DOCUMENTS - On file with the FPAN at the Region office.
- [ ] Habitat Conservation Plan
- [ ] Landowner Option Plan for Northern Spotted Owl
- [ ] Cooperative Habitat Enhancement Agreement

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

EARR Tax Credit [ ] Yes [ ] No
ADDITIONAL COMMENTS: ___________________________

Form completed by: [Signature]  
October, 2016 Version
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></td>
<td></td>
</tr>
</tbody>
</table>

**Mailing Address:**
919 N. Township St.
Sedro-Woolley, WA 98284

**Phone:** 360-856-3500

**Email:**

2. **Contact Person**

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

3. **Landownership information:** See instructions

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. **See Attached HCP**

---

**For DNR Region Office Use Only**

**FPA/N #:** 284028

**Region:** NW

**Received Date:** 9-1-2017

Hawk Portal #95241
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>1</td>
<td>28</td>
<td>08</td>
<td>E</td>
<td></td>
<td>SNOHOMISH</td>
</tr>
<tr>
<td>2</td>
<td>28</td>
<td>08</td>
<td>E</td>
<td></td>
<td>SNOHOMISH</td>
</tr>
<tr>
<td>11</td>
<td>28</td>
<td>08</td>
<td>E</td>
<td></td>
<td>SNOHOMISH</td>
</tr>
<tr>
<td>12</td>
<td>28</td>
<td>08</td>
<td>E</td>
<td></td>
<td>SNOHOMISH</td>
</tr>
</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
   b. Yes

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
   b. Yes
   c. Yes
   d. Yes
   e. Yes
   f. Yes
   g. Yes

6/1/2016
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Western Washington
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, F, Np, Ns)</th>
<th>*Existing HPA Number (if applicable)</th>
<th>HPA Expiration Date (if applicable)</th>
<th>Planned Activity (install, replace, remove, temporary, structure maintenance)</th>
<th>Structure (culvert, bridge, ford*, punchon, arch, other)</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>
</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.
17. If conducting any of the following activities in or over type S 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></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Suspending Cables</td>
<td></td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Cable Yarding</td>
<td></td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>LWD Placement/Removal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beaver Dam Removal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Felling and Bucking</td>
<td></td>
<td></td>
<td></td>
<td>x</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 compiled and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

** Ford 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></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See FPA Narrative

| Total | 2,180 | 40 | 4,716 | 3/2019 |

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 Expanding</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>HK-27 Hardrock Pit</td>
<td>0.1</td>
<td></td>
</tr>
</tbody>
</table>

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

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

See Aquatics Addendum

******* If not harvesting or salvaging timber, skip to Question 29 *******
21. If harvesting or salvaging timber, complete the table below. Show all harvest areas and unit numbers on the Activity Map. For even-aged harvest units, also show surrounding stand information on the Activity Map.

<table>
<thead>
<tr>
<th>Unit Number</th>
<th>Harvest Type (Even-aged, Uneven-aged, Salvage, Right-of-Way)</th>
<th>Biomass Harvest (Y/N)</th>
<th>Harvest Method (Rubber Tired Skidder, Tracked Skidder, Dozer, Shovel, Full Suspension Cable, Lead-end Suspension Cable, Helicopter, Animal, Chipper-forwarder, Slash Bundler)</th>
<th>Acres to be Harvested</th>
<th>Volume to be Harvested (mcf)</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</td>
<td>N</td>
<td>Ground/Cable</td>
<td>23.7</td>
<td>1,170</td>
<td>---</td>
<td>95</td>
<td>90</td>
</tr>
<tr>
<td>2</td>
<td>Even-aged</td>
<td>N</td>
<td>Ground/Cable</td>
<td>44.0</td>
<td>860</td>
<td>---</td>
<td>95</td>
<td>90</td>
</tr>
<tr>
<td>3</td>
<td>Even-aged</td>
<td>N</td>
<td>Ground/Cable</td>
<td>27.3</td>
<td>1000</td>
<td>---</td>
<td>95</td>
<td>35</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.030</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

23. Are you using the exempt 20-acre parcel riparian management zone (RMZ) rule on type S, F, or Np waters?
☐ No  If no, continue to Question 27.
☐ Yes If yes, continue to Question 24. See instructions for qualifications and information.

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

☐ a. ALL of the following apply to me and my land: (If no, answer b.)
   - Between June 5, 2006 and today's date I have always owned less than 80 acres of forestland in Washington.
   - Between June 5, 2006 and today's date this parcel has always been 20 acres or less of contiguous ownership. See RCW 76.09.020 for definition of 'contiguous'.
   - Between June 5, 2006 and today's date this parcel has always been owned by me or someone else that has owned less than 80 acres of forestland in Washington.

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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 Shading 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>
<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 Shading 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>
</tr>
</thead>
<tbody>
<tr>
<td>See Aquatics Addendum</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

Harvest Boundaries: White "Timber Sale Boundary" tags, adjacent young stands, HK-ML, HK-09, PT-14 roads

Clumped Wildlife Reserve Trees/Green Recruitment Trees: Blue paint and yellow "Leave Tree Area" tags

Right-of-way limits/road centerlines: Centerlines marked with stakes and orange flagging

Stream Crossing Work: To be flagged by operator, and approved by Contract Administrator, with consultation from FP Forester

Riparian Management Zone Boundaries and Leave/Take Trees: White "Timber Sale Boundary" tags

Channel Migration Zone: N/A

Wetland Management Zone Boundaries and Leave/Take Trees: White "Timber Sale Boundary" 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:
  - The Forest Practices Act and Rules AND
  - All other federal, state or local regulations.
- Compliance with the Forest Practices Act and Rules does not ensure compliance with the Endangered Species Act or other federal, state or local laws.
- If we said that we would not convert the land to non-forestry use, the county or city may deny development permits on this parcel for the next 6 years.
- The following may result in an unauthorized incidental take of certain endangered or threatened fish species:
  - Conversion of land to non-forestry use.
  - Harvesting within the maximum RMZ on a 20-acre exempt parcel that was acquired after June 5, 2006.
  - Equipment Crossings/Fords in or over Type S and F Waters.
- Inadvertent Discovery – Chapters 27.44, 27.53, 68.50 and 68.60 RCW
  - If you find or suspect you have found an archaeological object or Native American cairn, grave, or glyptic record, immediately cease disturbance activity, protect the area and promptly contact the Department of Archaeology and Historic Preservation at 360 586-3077.
  - If you find or suspect you have found human skeletal remains, immediately cease disturbance activity, protect the area, and contact the County Coroner or Medical Examiner and local law enforcement as soon as possible. Failure to report human remains is a misdemeanor.

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

<table>
<thead>
<tr>
<th>Signature of LANDOWNER</th>
<th>Signature of TIMBER OWNER*</th>
<th>Signature of OPERATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(If different than landowner)</td>
<td>(If different than landowner)</td>
</tr>
<tr>
<td>Print Name:</td>
<td>Print Name:</td>
<td>Print Name:</td>
</tr>
<tr>
<td>John VanHollebeker</td>
<td>Date:</td>
<td>Date:</td>
</tr>
<tr>
<td>7/5/17</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 June 5, 2017 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 May 30, 2017 regarding cultural resources, and at this time 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 Guidance" 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, NS)</th>
<th>Existing HPA Number (if applicable)</th>
<th>Planned Activity (install, replace, remove, temporary structure maintenance)</th>
<th>Structure (bridge, dike, embankment, etc.)</th>
<th>Proposed Site (no change of structure)</th>
<th>Culvert Design Method (no construction, stream minor, etc.)</th>
<th>Channel Bed Width (ft) (F and S only)</th>
<th>Stream Gradient (%) (F and S only)</th>
<th>RMSP Project (T or N)</th>
<th>FFGPP Project (T or N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HK-09 24+64 Stream W 5</td>
<td>Remove</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>HK-09 26+04 Stream X 5</td>
<td>Remove</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>HK-09 27+75 Stream Y 5</td>
<td>Remove</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>HK-09 40+21 Stream Z 5</td>
<td>Remove</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>
Question #17:
In order to achieve adequate deflection, cables may be suspended over type 3, 4 and 5 streams. Yarding will not occur over any type 3 or 4 stream. 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. Type 5 stream crossings by ground-based equipment shall be as close to perpendicular as possible and may require log cribbing, culvert installation, or other approved methods to be in place to protect channels and banks. Timber will be fallen and yarded away from all streams when possible.

Question #18:
Any roads to be built then abandoned (also known 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>HK-09</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>HK-12</td>
<td>65</td>
<td>40</td>
</tr>
<tr>
<td>HK-25</td>
<td>1083</td>
<td>20</td>
</tr>
<tr>
<td>HK-2501</td>
<td>75</td>
<td>30</td>
</tr>
<tr>
<td>HK-27</td>
<td>203</td>
<td>30</td>
</tr>
<tr>
<td>HK-29</td>
<td>467</td>
<td>40</td>
</tr>
<tr>
<td>HK-2901</td>
<td>87</td>
<td>30</td>
</tr>
<tr>
<td>HK-ML</td>
<td>200</td>
<td>30</td>
</tr>
</tbody>
</table>

Additional 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 RMZ's or sensitive areas.

Question #21:
Ground-based equipment operations will be limited to sustained slopes 35% or less. A self-leveling harvester may be utilized on sustained slopes 50% or less. A tethered harvester and/or shovel may be utilized to fell and pre-bunch, then yard by cable, on slopes up to 90% with prior approval from the Contract Administrator.

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.

Small intermittent inner gorge features exist immediately adjacent to the northern and northwestern boundary of Unit 1. No activity will be allowed to occur in or over these features. The locations of these features are depicted on the attached Slope Stability Map.
### Subjects Discussed:

Landowner representative requested a pre-application review of the proposed 3 unit "Hawk Portal" timber sale. Units 1 and 2 are planned for cable logging and unit 3 is planned for ground based logging. Office review showed several LHZ concerns in unit 1. No other resource issues were noted for units 2 and 3 during the office review or on site review of the planned harvest units. Applicant had identified intermittent inner gorges in unit 1 along the NW and north unit boundary. State Lands geologist had visited the sites and will prepare a report regarding the mapped features.

Tailholds will be needed across a type 3 (F) stream for units 1 and 2. No corridors will be cut in the WMZ/RMZ and no yarding will occur over the water itself. Individual trees may be felled within the RMZ/RMZ for the tailhold. Any trees felled within the RMZ/RMZ will be left. There will be no tailholds within the identified inner gorges within the RMZ/RMZ. All inner gorges are bounded outside of the harvest units and are within the RMZ/RMZ buffers. No other unstable slope issues were observed on the proposed units for this sale.

In order to achieve adequate deflection, cables may be suspended over type 3, 4 and 5 streams. No logs are to be yarded over type 3 and 4 streams. Any yarding over type 5 streams will require the lead end of logs be suspended over streams. Equipment for ground-based operations will cross type 5 streams at designated crossings. Type 5 stream crossings by ground-based equipment shall be as close to perpendicular as possible to the stream and 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. Ground-based equipment operations will be limited to sustained slopes less than 35%.

Required buffers were buffered according to site index buffer as required in the HCP. Site index buffer distances were spot checked during preap review.

### Decisions Made:

There were no specific resource concerns observed within the proposed harvest units during the site visit. The inner gorge features were bounded outside of the proposed harvest unit.

A site visit may be required to address any questions or concerns the TFW reviewers may have after reviewing the state lands geologist's report on the LHZ features for unit 1.

### PRINT Participants’ Names

| John Van Hollenbeke |

### SIGNATURES of Participants

| Representing Landowner |

### Copies Mailed

| □ | □ | □ | □ | □ | □ |

* (Participant signature means Note is correct for subjects discussed and decisions made at the meeting.)

Did not attend – mail copies to: WFPARM, FPDM, FPCOORD, SKY30, USFS, A MCMICHAEL

- Timber Owner
- Landowner
- Others: SnoCo, ECF, DFW, DCR, TULUP
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 Remote Review (SLGRR).

2. Were there any features identified using the screening tools in #1 that did not exist in the field? If yes, describe:
   - Portions of Unit 1 include "high instability potential" Landslide Hazard Zonation (LHZ) polygons. Hawk ridge is a bedrock slope with thin surface soil. No signs of instability were observed within these "high instability potential" areas within the proposed forest practices activity area.

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 within 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 identified based on Forest Practices rules. Boundaries were determined by the field forester. The boundaries of the intermittent inner gorge features, outside the northwestern and northeastern harvest boundary of Unit 1, fell well within no-harvest stream buffers, and therefore were bounded out of the proposal area.

6. Were areas of public use (which may include, but are not limited to: public roads, utilities, designated recreation areas, occupied structures, etc.) identified in or around the area of your proposed forest practices activity? Show these locations on the map in #8.
   No

7. Date of field review: 3/10/17 and 5/9/17

   Person(s) that conducted field review: John VanHollebeke NRS1
   Name Title/position
   Jennifer Parker Licensed Engineering Geologist
   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.
Please refer to the DNR Proprietary HCP Substitution Agreement for Aquatic Resources, 2008. Please check all HCP prescriptions and/or activities, which are relevant to this proposal and describe the management prescriptions and final stand composition at the end of this checklist.

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

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

<table>
<thead>
<tr>
<th>1. SUB-BASIN NAME</th>
<th>2. TOTAL ROS ACRES (DNR) WITHIN SUB-BASIN</th>
<th>3. HYDRO MATURE TARGET ACRES (2/3 of Column 2)</th>
<th>4. CURRENT DNR SUB-BASIN ACRES IN HYDRO MATURE FOREST IN ROS</th>
<th>5. ACRES OF HYDRO MATURE FOREST TO BE REMOVED</th>
<th>6. SURPLUS (+) OR DEFICIT (-) ACRES AFTER ACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olney Creek Sub-basin 6*</td>
<td>2269.7</td>
<td>1513.1</td>
<td>1591.1</td>
<td>62</td>
<td>16</td>
</tr>
<tr>
<td>Sultan River Sub-basin 6**</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

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

Hydrologic Maturity in the ROS zone:
* Sub-basin 6 of the Olney Creek WAU does meet the criteria for a critical sub-basin, but will remain in surplus of its hydrologically mature condition after the proposed harvest occurs.

**Sub-basin 6 of the Sultan River WAU has less than one-third of its area in the significant ROS zone; therefore it will not be managed for the ROS strategy.

All timber will be felled and yarded away perpendicular to the stream channel. All timber cable yarded over any Type 5 stream will have lead end suspension.

Four Type 5 streams located outside of the harvest area will have culverts removed where the stream intersects the HK-09 road.

Due to site conditions, it was determined that wind buffer on type streams area not necessary.

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

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

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

<table>
<thead>
<tr>
<th>Stream Segment Identifier or Wetland Identifier</th>
<th>Water Type or Wetland “forested or open water”</th>
<th>Site Class FP Base Map / Other source</th>
<th>Stream Width (feet) or Wetland Size</th>
<th>Is there a CMZ? Yes or No</th>
<th>Thinning RMZ/WMZ? Yes or No</th>
<th>Total Width of RMZ/WMZ FP width / Actual width (feet)</th>
<th>Wind Buffer? Yes, No (for T-3, 2, 1) or N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3 III</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>140 / 154</td>
<td>No</td>
</tr>
<tr>
<td>B</td>
<td>3 II</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>140 / 188</td>
<td>No</td>
</tr>
<tr>
<td>C</td>
<td>3 III</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>140 / 154</td>
<td>No</td>
</tr>
<tr>
<td>D</td>
<td>4 III</td>
<td>&gt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>50 /100</td>
<td>N/A</td>
</tr>
<tr>
<td>E</td>
<td>5 III</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0 / 30 foot equipment limitation zone</td>
<td>N/A</td>
</tr>
<tr>
<td>F</td>
<td>5 III</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0 / 30 foot equipment limitation zone</td>
<td>N/A</td>
</tr>
<tr>
<td>G</td>
<td>5 III</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0 / 30 foot equipment limitation zone</td>
<td>N/A</td>
</tr>
<tr>
<td>H</td>
<td>5 III</td>
<td>&lt;2 feet</td>
<td>No</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 II</td>
<td>&lt;2 feet</td>
<td>No</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 II</td>
<td>&lt;2 feet</td>
<td>No</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 II</td>
<td>&lt;2 feet</td>
<td>No</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 II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0 / 30 foot equipment limitation zone</td>
<td>N/A</td>
</tr>
<tr>
<td>M</td>
<td>5 II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0 / 30 foot equipment limitation zone</td>
<td>N/A</td>
</tr>
<tr>
<td>*W</td>
<td>5 II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Out of sale area</td>
<td>N/A</td>
</tr>
<tr>
<td>*X</td>
<td>5 II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Out of sale area</td>
<td>N/A</td>
</tr>
<tr>
<td>*Y</td>
<td>5 II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Out of sale area</td>
<td>N/A</td>
</tr>
<tr>
<td>*Z</td>
<td>5 II</td>
<td>&lt;2 feet</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Out of sale area</td>
<td>N/A</td>
</tr>
<tr>
<td>W1</td>
<td>Forested Wetland</td>
<td>III</td>
<td>&gt;1 acre</td>
<td>No</td>
<td>No</td>
<td>0 / 154</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Stream is located outside of the harvest area boundary. During road abandonment, culvert(s) will be removed where the stream intersects the associated HK-09 road. See attached Activity Map for approximate locations of each culvert removal site.*
From: BERGVALL, LAURIE (DNR)
Sent: Monday, June 26, 2017 3:34 PM
To: MCQUIRE, AL (DNR) <al.mcquire@dnr.wa.gov>; Moon, John (DNR) <John.Moon@dnr.wa.gov>; MCDONALD, CORY (DNR) <RUSSELL.MCDONALD@dnr.wa.gov>; KLEPL, THERESA (DNR) <THERESA.KLEPL@dnr.wa.gov>
Subject: Fwd: Hydrologic memo for Hawk Portal

Green light to proceed forward with Hawk Portal

Laurie Bergvall
Department of Natural Resources

Begin forwarded message:

From: "HAYES, ANDREW (DNR)" <ANDREW.HAYES@dnr.wa.gov>
Date: June 26, 2017 at 3:04:12 PM PDT
To: "ESTEP, ALLEN (DNR)" <ALLEN.ESTEP@dnr.wa.gov>
Cc: "BERGVALL, LAURIE (DNR)" <LAURIE.BERGVALL@dnr.wa.gov>
Subject: RE: Hydrologic memo for Hawk Portal

It seems to me to be a normal part of our business to accommodate sales that are in the pipeline as we implement new procedures with better data. For all the reasons you have laid out and because there appears to me to be adequate resource protection based on the best data source available, I am comfortable with this request.
Thanks for laying out your logic and information for me.

Andy

Andrew Hayes
Division Manager
Forest Resources Division
Washington State Department of Natural Resources (DNR)
(360) 902-1347
andrew.hayes@dnr.wa.gov
www.dnr.wa.gov

From: ESTEP, ALLEN (DNR)
Sent: Friday, June 23, 2017 2:26 PM
To: HAYES, ANDREW (DNR) <ANDREW.HAYES@dnr.wa.gov>
Cc: BERGVALL, LAURIE (DNR) <LAURIE.BERGVALL@dnr.wa.gov>
Subject: FW: Hydrologic memo for Hawk Portal

Andy, NW region would like to implement the updated hydrologic maturity procedure prior to the fiscal year 2019 direction (memo attached) for a timber sale
that they designed under the new procedure. Under the old evaluation, the timber sale (description attached) would put the subbasin below threshold, however with the use of RS-FRIS and the new procedure, the subbasin will maintain a surplus of hydrologically mature acres after the harvest. Since it's a procedure approved by you (even though I signed the implementation memo), I would like your opinion on this request. Because, the subbasin will remain above threshold after harvest (with the new procedure), I support this request.

Allen Estep  
Asst. Manager, Forest Resources Division  
Washington State Department of Natural Resources (DNR)  
1111 Washington St SE  
PO Box 47014  
Olympia, WA 98504-7014  
360-902-2898 (office)  
360-280-9948 (cell)  
allen.estep@dnr.wa.gov  
www.dnr.wa.gov

From: BERGVALL, LAURIE (DNR)  
Sent: Wednesday, June 21, 2017 8:19 AM  
To: ESTEP, ALLEN (DNR) <ALLEN.ESTEP@dnr.wa.gov>  
Cc: MCGUIRE, AL (DNR) <al.mcguire@dnr.wa.gov>; BERGVALL, LAURIE (DNR) <LAURIE.BERGVALL@dnr.wa.gov>; Moon, John (DNR) <John.Moon@dnr.wa.gov>  
Subject: Fwd: Hydrologic memo for Hawk Portal

Hi Allen  
Please see the attached Hydrologic Maturity memo for Hawk Portal timber sale. Please let me know if you have any questions. Thank you. Laurie

Laurie Bergvall  
Department of Natural Resources

Begin forwarded message:

From: "MCGUIRE, AL (DNR)" <al.mcguire@dnr.wa.gov>  
Date: June 21, 2017 at 7:57:31 AM PDT  
To: "BERGVALL, LAURIE (DNR)" <LAURIE.BERGVALL@dnr.wa.gov>  
Subject: Fwd: Hydrologic memo for Hawk Portal

Looks good to me. Please forward to mr ESTEP.

Allen McGuire  
Cascade District Manager  
NW Region  
(360)856-3500

Begin forwarded message:
Hi Al,

I have drafted a memo requesting the use of the new hydrologic maturity procedure for the Hawk Portal timber sale. This is my first rough draft and I know it needs some work. Could you please give it a look over and let me know what you think. I talked to Theresa about this and because we are just requesting to use a different procedure the full blown hydrologic change memo that we have done on other sales in the past will likely not be needed. With that in mind I was not sure what this should look like so I drafted it sort of like a letter. If this is the correct format, I am not sure who I would need to address this too, so some direction on that would be helpful also.

Thanks,
John

John Moon
Boulder Unit Forester
Northwest Region - Cascade District
Washington Dept. of Natural Resources
(360) 770-4436
john.moon@dnr.wa.gov
On June 1, 2017 the DNR adopted a revised procedure (PR 14-004-060) for evaluating hydrologic maturity in the Rain on Snow (ROS) zone. This procedure utilizes RS-FRIS data to evaluate the hydrologic maturity by sub-basin for the westside planning units. According to a memo date June 1, 2017 from Allen Estep the DNR will be implementing the revised procedure starting with fiscal year 2019 timber sales. The memo also provides a list of fiscal year 2019 timber sales that will implement the procedure that was in place prior to the newly revised procedure.

An email was sent to Northwest Region staff on February 15, 2017 with information regarding a proposed update to the hydrologic maturity procedure. The purpose of this email was to gauge the impact that a change in hydrologic maturity reporting by sub-basin would have on planned timber sales for fiscal years 2018 and 2019. During the discussions around the impacts the revised procedure would have on planned sales there was no information provided by division staff regarding the implementation date for the revised procedure.

Northwest Region field staff have been preparing the Hawk Portal timber sale throughout the spring of 2017. During the field layout and planning for this timber sale, region staff discovered that under the old procedure, one of the harvest units would cause sub-basin 6 of the Olney Creek WAU to drop below the 2/3 hydro mature target acres required in the ROS zone. The timber harvest would create a deficit of 18 acres in the sub-basin. Field staff understood that a new procedure for evaluating hydrologic maturity was being developed by Forest Resources Division. Based on information provided by division on February 21, 2017, the revised procedure would result in a surplus of 16 acres in the sub-basin following the timber harvest (see Table A for a comparison of the two procedures and their impact on hydrologic maturity in sub-basin 6 of the Olney Creek WAU). Region staff requested clarification on the implementation date for the revised procedure on March 28, 2017. Division staff indicated that an update would be forthcoming.

Field layout for the Hawk Portal timber sale was completed by the end of May 2017, with no new information regarding the implementation date for the revised hydrologic maturity procedure. With the adoption of the revised procedure taking place on June 1, 2017 region staff prepared the timber sale packet documents utilizing the revised procedure based on information that was available through the P&T database. A hydrologic maturity report was run for the timber sale on June 9, 2017 and the information from the Department’s database reflected the revised procedure and showed a surplus of 16 acres in sub-basin 6 of the Olney Creek WAU.

We are requesting that the Hawk Portal timber sale be allowed to proceed utilizing the revised procedure (PR 14-004-060) for evaluating hydrologic maturity in the westside planning units. The change in surplus and deficit acres between the old procedure and the revised procedure is minimal when compared to the total acres of the sub-basin and WAU (see Table A). If we are not able to proceed using the revised procedure the Hawk Portal timber sale will be delayed until the 2019 fiscal year when the new procedure officially takes effect. This delay will have a significant negative impact on the ability of the local unit to meet it’s deliverable in support of the trust mandate.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Total ROS Acres (DNR)</th>
<th>Hydro Mature Target (2/3)</th>
<th>Current DNR Sub-basin acres in ROS</th>
<th>Acres in Hawk Portal timber sale</th>
<th>Surplus/Deficit acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revised</td>
<td>2269.7</td>
<td>1513.1</td>
<td>1591.1</td>
<td>62</td>
<td>16 (surplus)</td>
</tr>
<tr>
<td>Old</td>
<td>2331</td>
<td>1554</td>
<td>1598</td>
<td>62</td>
<td>-18 (deficit)</td>
</tr>
</tbody>
</table>
DNR Trust Forestland HCP Water Typing Key
ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID: A, B, C
DATE: 5/31/17

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

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

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

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

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

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

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

Definitions:

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

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

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

1-14-08
DNR Trust Forestland HCP Water Typing Key
ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID __D____________ DATE ___5/31/17______________

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.
       ____x__ 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.
   ____ 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 300 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.
   ____ 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
Forest Practices Application/Notification Addendum DNR
State Trust Lands HCP Implementation Checklist for the
Northern Spotted Owl, 2017 (all HCP planning units & OESF)

Refer to the DNR State Trust Lands HCP Implementation Agreement for the NSO, 2017.

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, Harvesting within a nest patch is inconsistent with HCP without consultation, refer to Substitution Agreement, Section I.A. Stop Proposed Activity or document in Question #17 the specifics of proposal and Forest Resources Division concurrence if intending to proceed. Maintenance of existing roads is permitted, describe road maintenance activity in Question #17. If able to proceed, go to #3.
   ☐ 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 target amount of 50% NRF habitat?
   ☐ Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall below the target amount of 50% and no more than 5% of sub-mature or better habitat within the SOMU is harvested within two years. 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 #16.
   ☐ No, Go to #5.

5. Is the Forest Practice activity within suitable sub-mature 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 #17, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #16.
   ☐ No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #17 how management activity will maintain and/or achieve the NRF target amount. Go to #16.

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 target amount of 50% dispersal habitat?
   ☐ Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall
below the target amount of 50%. Please describe in Question #17; 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 #16.

☐ No, Go to #9.

9. Is the Forest Practice activity within suitable dispersal habitat or better or “next best”?  
☐ Yes, Ensure dispersal habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #17, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #16.

☐ No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #17 how management activity will maintain and/or achieve the dispersal target amount. Go to #16.

10. Is the Forest Practice activity located within the OESF?  
☐ Yes, Go to #11.

☒ No, Go to #16.

11. Is the Forest Practice Activity within Young Forest Habitat, Old Forest Habitat, or a Pathways Management Candidate Stand?  
☐ Yes, Go to #12.

☐ No, Proceed with the activity, Please describe in Question #17; whether it is an enhancement activity or even-age harvest and how many acres. Describe percentage of suitable habitat will remain within the SOMU after harvest. Go to #16.

12. Is the Forest Practice activity in a SOMU in the maintenance and enhancement phase?  
☐ Yes, Activity can proceed if it ensures commitments to OESF Forest Land Plan as described within the Substitution Agreement, Section II and that habitat within the SOMU will not fall below the target amount. For Old Forest Habitat both the 20% Old Forest and 40% Young Forest and Better thresholds must be maintained. Active and Passive Pathways Management Candidate Stands are available if thresholds are maintained. Please describe in Question #17 how management activity will maintain habitat thresholds and how any candidate stands will be managed in accordance with the pathway prescription. Go to #16.

☐ No, Go to # 13.

13. Is the Forest Practice activity in Old Forest Habitat in a SOMU that is in the Restoration Phase?  
☐ Yes, No harvesting of Old Forest Habitat is allowed during the Restoration Phase.

☐ No, Go to #14.

14. Is the Forest Practice activity a regeneration harvest of Young Forest Habitat in a SOMU that is in the Restoration Phase?  
☐ Yes, No regeneration harvest of Young Forest Habitat in a SOMU during the Restoration Phase without consultation with the HCP and Scientific Consultation Section. Describe in #17 how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Document the reasons for harvest of young forest habitat and provide documentation of approval. Go to #16.

☐ No, Go to #15.
15. Is the Forest Practice activity in an Active or Passive Pathways Management Candidate Stand in a SOMU that is in the Restoration Phase?

☐ Yes, No harvesting of Passive Pathways Management Candidate Stand is allowed during the Restoration Phase. Active Pathways Management Candidate Stands can only have thinning activities. Please describe in Question #17 how management activity will maintain habitat thresholds or how thinning activities will enhance habitat. Describe in #17 how many acres or percentage of suitable habitat will remain within the SOMU after harvest.

☐ No, Proceed with the activity, if commitments to the OESF Forest Land Plan as described within the Substitution Agreement and the SOMU are maintained and habitat does not fall below the minimum threshold. Please describe in Question #17 how management activity will maintain habitat thresholds or how thinning activities will enhance habitat. Describe in #17 how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Go to #16.

16. 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 #17.

☒ No, Go to #17.

17. 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
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.

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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 ¼ mile of any marbled murrelet occupied site(s), Criteria 3 newly identified habitat or unsurveyed suitable MM habitat²?
   ☐ 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.

   Not Applicable

² "Unsurveyed suitable habitat" refers to potential habitat identified per the NPPU 2007 memo that has been field verified as suitable, but no. yet surveyed.
June 20, 2017

TO: John Van Hollebeke, Forester

FROM: Lisa Egtvedt, Wildlife Biologist

SUBJECT: Wildlife Review of the Proposed Hawk Portal Timber Sale

This memo serves as documentation of a region biologist review of the proposed Hawk Portal Timber Sale in sections 1, 2, 11, and 12 of Township 28 North, Range 8 East. I conducted a field review of Units 1 and 2 of this three-unit proposal on 5/17/17, unaccompanied. I also field-verified marbled murrelet habitat delineation that occurred to the west of Unit 3 (on 4/17/17), as well as several other locations in the area (on several other dates), when there were additional units that are now planned for a future timber sale proposal. I did not feel it necessary to make an additional trip to walk through Unit 3, knowing the stand conditions in this stand (and the general lack of potential murrelet nesting platforms, as well as any other HCP habitat features). The purpose of my visit on 5/17/17 was to assess the general composition of the stands in the planning area, particularly looking for HCP habitat features that might warrant special mitigation, and to confirm the lack of suitable marbled murrelet habitat within and adjacent to the proposed timber sale units.

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

- None of these stands contain suitable marbled murrelet habitat. However, there is newly-identified suitable habitat located directly west of Unit 3. Habitat delineation was conducted in and adjacent to Units 1-3 by John Van Hollebeke (presales forester who has been trained to conduct habitat delineation), and I have conducted field verification of the delineation results. The only platform trees that were identified within any of the units are located in the northernmost portion of Unit 1. All four of these trees and some additional structurally unique trees have been marked as leave trees.

- The newly-identified habitat located to the west of Unit 3 was not fully delineated, but it was field-verified and evaluated to the extent needed to determine that it is highly likely to be Criteria 2 habitat, with very little to no chance for it to be Criteria 3 habitat, due to the platform density and overall quality (including a number of marginal witches brooms). It is also very unlikely that the habitat polygon would even reach 20 acres. A GIS review of stand ages in the vicinity shows that the delineated stand is approximately 56 years old, and the areas most adjacent to this are the same age or younger. Approximately 1,000 feet to the west are some small forest stands that are approximately 104 years old, but it is unlikely that the habitat conditions in the delineated stand continue for that distance (based on my field observations).

- Currently mapped platform trees comprise a habitat polygon of approximately 10 acres, with a density of 13 PF/acre. Approximately 75% of the platforms are comprised of witches brooms, with approximately 25% comprised of pockets and scattered higher-quality platforms such as large branches and mossy branches. Because this does not technically meet the specifications of the 2007 Ken Berg Memo for "relatively young hemlock stands in which incipient, mistletoe-induced witches brooms comprise essentially the only platform structures in the stand", I do not feel that this habitat
polygon does NOT need to be deferred, at least not without complete delineation and a thorough consultation with WDFW and USFWS.

- The bottom line is that the habitat that is located to the west of Unit 3 does not require a buffer or timing restrictions, but it does need be deferred, and should be completely delineated if additional timber harvests are planned in the vicinity.

- The most notable habitat features that were observed during my field review of Units 1 and 2 include large down wood (including large cedar logs and rootwads), and structurally unique trees. These are found primarily on the northern slope of Unit 1 and the southeastern portion of Unit 2. I provided recommendations for leave tree areas (LTAs) in Unit 1 that would include the platform trees and other structurally unique trees, as well as some of the large, downed wood. Since then, I have been informed that leave tree clumps have been marked to include these features. The area in Unit 2 with these features also contains 10 platform trees, as well as some relatively large snags, some still with bark. I have consulted with John Van Hollebeke about this area, and agree that this area contains enough special habitat features that the larger-than-average LTA that has been marked here is an appropriate allocation of leave trees for this unit.

- The only other input that I provided regarding leave trees addressed the fact that some leave trees in Unit 2 should be marked in the lower (northern) portion of the unit, primarily to retain some of the larger-diameter trees in the stand, as well as some of the denser ground vegetation, both of which are present in that area but generally lacking on the steep slopes to the south. I have since been informed that some small, painted “clumps” have been marked in this lower area, which will result in the retention of some of these components of the stand.

- I also assessed some rock faces in Units 1 and 2, with only one (in Unit 2) that meets the HCP definition of a cliff, at just barely 25 feet in height. The majority of the rock faces in both units have a “benchy” characteristic and do not contain vertical faces that are at least 25 feet in height. The one feature that does meet the definition of a cliff does not contain any special habitat features (such as ledges, overhangs, fissures), and is simply a vertical rock face, with a limited horizontal dimension, as well. Based on this assessment, there are no protective measures that are recommended for this feature.

**General Proposal Area**

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

- The nearest known occupied marbled murrelet site is located approximately 0.85 mile to the northwest of the proposal area (Unit 1). This is located far enough away from the proposal that it does not warrant mitigation measures.

- There was a northern goshawk nest site (with two alternate nests) located approximately 1,100 feet to the east of Unit 3 that was active in 2008-2011. This site was apparently abandoned following a timber harvest that came within about 200 feet of the active nest in 2011 (and within 100 feet of the other nest). Although two young were fledged from the nest that year, surveys conducted in 2012 & 2013 determined that this site was no longer active, and surveys in the surrounding area failed to determine if/where the pair may have moved to nest. I do have to note that during my 7/30/15 visit to Unit 6 of the
Lotta Strands timber sale, I heard what sounded like juvenile goshawk begging calls quite a distance away to the north/northwest. When I was next able to make a field visit to this area (on 8/7/15), I conducted some broadcast surveys in the general area where I estimated the calls to come from, with no response/detections as a result of the surveys. Since then I have conducted several dawn acoustical surveys in the area (March 2016 and 2017), with no detections of goshawks. With this history, it should be noted somewhere in the contract language and the Notes to CA that if goshawks (or aggressively calling birds) are detected in the vicinity of this proposal, a region biologist should be contacted immediately. I have no other recommendations on this topic at this point in time.

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.
Forest Practices Application/Notification
Notice of Decision

Decision
[ ] Notification
[ ] 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
[ ] Class III
[ ] Class IVG
[ ] Class IVS

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

Conditions on Approval / Reasons for Disapproval
No additional conditions.

FOR YOUR INFORMATION:

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

Issued By: ____________________________

Steve Huang

Title: Skykomish Forest Practice Forester

Region: Northwest

Date: 9/25/2017

Copies to: [x] Landowner, Timber Owner and Operator.

Issued in person: [x] Landowner [ ] Timber Owner [ ] Operator By: ____________________________

Washington State Department of Natural Resources • Notice of Decision • August 5, 2013  Page 1
**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.eiuho.wa.gov/](http://www.eiuho.wa.gov/)

At the same time you file an appeal with the Pollution Control Hearings Board, also send a copy of the appeal to the Department of Natural Resources' region office and the Office of the Attorney General at the following addresses:

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

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

**Other Applicable Laws**

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

**Transfer of Forest Practices Application/Notification (WAC 222-20-010)**


**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 _____________, WA, postage paid, a true and accurate copy of this document. Notice of Decision FPA #__________

L Utgard  
(Printed name)  
(Signature)

Washington State Department of Natural Resources • Notice of Decision • August 5, 2013
<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/29/2017</td>
<td>Transfer Form</td>
<td>Change of timber owner &amp; operator</td>
</tr>
</tbody>
</table>
Forest Practices Application/Notification

NOTICE OF TRANSFER

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

30-095241 HAWK PORTAL

FPA/N Number: 2816028
Section(s): 1, 2, 11, 12
Township: 28N
Range: 08E

Original Landowner (Signature): [Signature]
Original Landowner (Printed): CORINE ABENDHOF
Date: 12/29/17

<table>
<thead>
<tr>
<th>New Operator – Complete this section only if you are:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Changing an operator for:</td>
</tr>
<tr>
<td>[X] Adding an operator for:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Legal Name of New Operator: (Print) SIERRA PACIFIC INDUSTRIES
Mailing Address:
14353 MCFARLAND ROAD
MOUNT VERNON, WA 98273

Phone: 360-424-7619
Email:

New Operator Signature: [Signature]
Date: 12/15/17

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

[ ] No [X] Yes Are you a small forest landowner per RCW 76.09.450 (if yes, continue to question below)

[ ] No [X] Yes Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcel(s)?

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

Phone:
Email:

New Landowner Signature:

New Timber Owner – Complete this section only if you are transferring your timber rights

Legal Name of Timber Owner: (Print) SIERRA PACIFIC INDUSTRIES
Mailing Address:
14353 MCFARLAND ROAD
MOUNT VERNON, WA 98273

Phone: 360-424-7619
Email:

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

New Timber Owner Signature: [Signature]
Date: 12/15/17

[X] Received by: [Signature]
Date: 12/29/17

(DNR Forest Practices Staff Signature) 11/01/2017
<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/29/2017</td>
<td>Transfer Form</td>
<td>Change of timber owner &amp; operator</td>
</tr>
<tr>
<td>1-11-18</td>
<td>Transfer Form</td>
<td>Change of Operator</td>
</tr>
</tbody>
</table>
**NOTICE OF TRANSFER**

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

**Original Landowner (Signature):**

**Original Landowner (Printed):** CORINNE ABENDHOF

<table>
<thead>
<tr>
<th>New Operator — Complete this section only if you are:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[x] Changing an operator for: Road construction</td>
</tr>
<tr>
<td>[x] Adding an operator for: Road construction</td>
</tr>
<tr>
<td>[ ] Timber harvest Aerial spray</td>
</tr>
<tr>
<td>[ ] Timber harvest Aerial spray</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Legal Name of New Operator: (Print)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALRT Corporation</td>
</tr>
<tr>
<td>Phone: 360-592-5300</td>
</tr>
<tr>
<td>Email:</td>
</tr>
</tbody>
</table>

**New Operator Signature:**

**New Landowner — Complete this section only if you are transferring your FPA to a new landowner**

| [ ] No Yes Are you a small forest landowner per RCW 76.09.450 (if yes, continue to question below) |
| [ ] No Yes Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcel(s)? |

<table>
<thead>
<tr>
<th>Legal Name of New Landowner: (Print)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address: 4040 Mount Baker Hwy</td>
</tr>
<tr>
<td>Everson, WA 98247</td>
</tr>
<tr>
<td>Phone:</td>
</tr>
<tr>
<td>Email:</td>
</tr>
</tbody>
</table>

**New Landowner Signature:**

**New Timber Owner — Complete this section only if you are transferring your timber rights**

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

**Forest Tax Reporting Account Number: (Contact Dept. of Revenue at: 1-800-548-8829)**

**New Timber Owner Signature:**

**Received by:**

(DNR Forest Practices Staff Signature) 11/01/2017
Request to Amend  
Forest Practices Application/Notification  
DNR's Decision

**Decision**

☑ Approved  
This request for an amendment is approved and subject to the conditions listed below

☐ Disapproved  
This request for an amendment is disapproved for the reasons listed below

**Conditions on Approval/Reasons for Disapproval**

No additional conditions.

---

**Appeal Information** (RCW 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 Sedro-Woolley
- With a copy sent to the Department of Natural Resources, Forest Practices Division, PO Box 47012, Olympia, WA 98504-7012

**Issued By:** Steven Huang  
**Title:** Skykomish Forest Practice Forester  
**Date:** 1-26-2018

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

On this day 1-26-18, 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 # 2816028

(date) [Hand delivered] (post office location)

L. Utgarden (Printed name) L. Utgarden (Signature)
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 Corporation</td>
<td>ALRT</td>
</tr>
<tr>
<td>Mailing Address: 919 N Township Street</td>
<td>Mailing Address: 14353 McFarland Road</td>
<td>Mailing Address: 4040 Mt. 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>Mt. Vernon, WA 98284</td>
<td>Everson, WA 98247</td>
</tr>
<tr>
<td>Phone (360) 856-3500</td>
<td>Phone (360) 520-1148</td>
<td>Phone (360) 815-2912</td>
</tr>
<tr>
<td>Email:</td>
<td>Email:</td>
<td>Email:</td>
</tr>
</tbody>
</table>

2. Approved FPA/N Number 2816028

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.

Suspension of cables over two "No Entry Zones" in Unit 1 of Hawk Portal Timber Sale, #30-95241 will be allowed on condition that no ground disturbance or tree damage occurs.

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

QQ-46W (Revised 12/22/06)
TIMBER SALE MAP

SALE NAME: HAWK PORTAL
AGREEMENT #: 30-095241
TOWNSHIP(S): T2HR9SE
TRUST(S): Common School and Indemnity(3), Charitable/Educational/Penal & Reformatory Inst(5), Capitol Grant(7)
REGION: Northwest Region
COUNTY(S): Snohomish
ELEVATION RGE: 924-2105

Harvest Area: ~850 acres
Approximate Unit Acreage:
Unit 1: 33.7
Unit 2: 24.0
Unit 3A: 1.3
Unit 3B: 26.0

Streams
Stream Type
Stream Type Break
Survey Monument
Leave Tree Area
Rock Pit

Prepared By: jvan400 08/05/2017
Modification Date: 10/10/2017
pie400