**Forest Practices Application/Notification**

**Office Checklist Page 1**

**Northwest Region**

<table>
<thead>
<tr>
<th>FPAN CLASSIFICATION: [ ] II [ ] III [ ] IVG [ ] IVS</th>
<th>Biomass [ ] FFP [ ] 20-acre exempt [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landowner Name: <strong>SP</strong></td>
<td>Project Name: <strong>Great Wall</strong></td>
</tr>
<tr>
<td>WRIA: <strong>Zapohwaish</strong></td>
<td>WAU: <strong>Upper Wallace River</strong></td>
</tr>
<tr>
<td>WRIA:</td>
<td>WAU: <strong>Canyon Creek</strong></td>
</tr>
<tr>
<td>WRIA:</td>
<td>WAU:</td>
</tr>
<tr>
<td>Legal Description: <strong>NE1/4 18-28-9C</strong></td>
<td>County: <strong>Sapohwaish</strong></td>
</tr>
<tr>
<td>Activity Type: Harvest 1 ac</td>
<td>Spray __ ac</td>
</tr>
<tr>
<td>Road Construction __ ft</td>
<td>Abandonment __ ft</td>
</tr>
<tr>
<td>Road</td>
<td>Spills __ cy</td>
</tr>
</tbody>
</table>

**ALTERNATIVE PRESCRIPTIONS**

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

**RESOURCE REVIEW**

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

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

**ASSOCIATED NON-SCANNED DOCUMENTS** — On file with the FPAN at the Region office.

[ ] SEPA Checklist/Documents

[ ] Large Landowner Road Maintenance and Abandonment Plan

[ ] Conversion Option Harvest Plan
[ ] FFP Plans & Specifications
[ ] Qualified Expert Report; Type: Geo.
[ ] Natural Regeneration Plan
[ ] Shoreline Permit
[ ] Marbled Murrelet Form
[ ] FFPBM Appendix(s)
[ ] Small Landowner RMAP Checklist
[ ] CMZ Assessment Form

**EARR Tax Credit: [ ] Yes [ ] No**

**ADDITIONAL COMMENTS:**

---

Form completed by **Y. C.**

October, 2016 Version
Forest Practices Application/Notification
Western Washington

PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS APPLICATION.

1. Landowner, Timber Owner and Operator

<table>
<thead>
<tr>
<th>Legal Name of LANDOWNER</th>
<th>Legal Name of TIMBER OWNER</th>
<th>Legal Name of OPERATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sierra Pacific Industries</td>
<td>☑ Same as Landowner</td>
<td>☑ Same as Landowner</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mailing Address:</th>
<th>Mailing Address:</th>
<th>Mailing Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td>14353 McFarland Road</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City, State, Zip:</th>
<th>City, State, Zip:</th>
<th>City, State, Zip:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mount Vernom, WA 98273</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phone:</th>
<th>Phone:</th>
<th>Phone:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(360) 957-0465</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Email:</th>
<th>Email:</th>
<th>Email:</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:jmisenan@spi-ind.com">jmisenan@spi-ind.com</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Contact Person

<table>
<thead>
<tr>
<th>Contact Person:</th>
<th>Phone:</th>
<th>Email:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Josh Misenan</td>
<td>(360) 957-0465</td>
<td><a href="mailto:jmisenan@spi-ind.com">jmisenan@spi-ind.com</a></td>
</tr>
</tbody>
</table>

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

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

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

800 059 489

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

b. Are you eligible for EARR Tax Credit?

☐ No ☑ Yes

5. Are you a small forest landowner per RCW 76.09.450? See instructions

☑ No ☐ Yes If yes, Check all that apply. If no, skip to Question 6.

☐ My entire proposed harvest area is on a single contiguous ownership consisting of one or more parcels.

10/1/2018

Page 1 of 9

Western Washington
☐ My proposed forest practices activities are within an area covered by an approved Forest Stewardship Plan or Forest Management Plan developed in cooperation with DNR.

☐ I received technical assistance from a DNR small forest landowner Stewardship and Technical Assistance Forester in preparing this FPA/N.

☐ I have participated in a Washington State University Extension Service and/or DNR-sponsored Forest Stewardship Coached Planning course.

☐ I have attended a Washington State University Extension Service and/or DNR-sponsored Family Forest Owner Field Day.

6. Are you substituting prescriptions from an approved state or federal conservation agreement or Watershed Analysis?

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

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

<table>
<thead>
<tr>
<th>Section</th>
<th>Township</th>
<th>Range</th>
<th>E/W</th>
<th>Tax Parcel Number</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>28N</td>
<td>9</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
</tbody>
</table>

8. 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 If you made any contacts, please provide information in Question 28.

9. Do you have a DNR approved Road Maintenance and Abandonment Plan (RMAP)?

a. ☐ No ☒ Yes If no, skip to c., If yes, enter your RMAP number: 2800056L ________, continue to b.

b. ☒ No ☐ Yes Is this Forest Practices Application/Notification for work that is included in this approved RMAP?

c. ☐ No ☒ Yes Is a Checklist RMAP required (see instructions)?

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

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

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

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

b. ☐ No ☒ Yes An Alternate Plan? If yes, include a template or detailed plan. See instructions for details.
c. ☒No ☐Yes For a funded Forest Family Fish Passage Program project?

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

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

f. ☐No ☒Yes Within 500 feet of a public park? Park name: Wallace Falls State Park

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

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

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

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

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

**** If not working in or over typed Waters, skip to Question 16 ****

Prior to answering Questions 12-15 in this section please refer to the Forest Practices Application Instructions and Forest Practices Board Manual Section 5.

12. 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)?

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

14. If installing, replacing, removing, or maintaining structures in or over any typed Water, complete the table below. Provide crossing locations and identifiers on your Activity Map. Provide plan details in Question 28 or attach plan to the FPA/N. Type S and F Waters require detailed plan information. Complex hydraulic projects in Type N Waters may also be required per WAC 222-24-042(2). See instructions for detailed plan requirements.
<table>
<thead>
<tr>
<th>Crossing Identifier (letter, number)</th>
<th>Water Type (S, F, N, Ns)</th>
<th>Existing HPA Number (if applicable)</th>
<th>HPA Expiration Date (if applicable)</th>
<th>Planned Activity (install, replace, remove, temporary, structure maintenance)</th>
<th>Structure (bridge, ford/equipment crossing**, punchdown/fit, arch, pipe arch, round culvert, other)</th>
<th>Proposed Size (width x length)</th>
<th>Culvert Design Method (no-slope, stream-sim, hydraulic, other) (F and S only)</th>
<th>Channel Bed Width (F and S only)</th>
<th>Stream Gradient (%) (F and S only)</th>
<th>Is this an RMAP Project?</th>
</tr>
</thead>
</table>

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

**Fords and/or equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain threatened or endangered fish species. For more information, see 'Background for the State's Incidental Take Permits for certain threatened and endangered fish species' following Question 22 of the FPAN Instructions.

15. If conducting any of the following activities in or over type Water(s), complete the table below. Some activities will require identifiers on the Activity Map and/or more information in Question 28. See instructions.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Type S Water</th>
<th>Type F Water</th>
<th>Type Np Water</th>
<th>Type Ns Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment Crossing**</td>
<td>PROVIDE DETAILS IN QUESTION 14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suspending Cables</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cable Yarding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LWFD Placement/Removal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beaver Dam Removal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Felling and Bucking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (describe in Question 28)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

** Fords and/or equipment crossings on Type S and F Waters must be identified in Question 14.

16. If constructing or abandoning forest roads, complete the table below. Show the road locations and identifiers on the Activity Map. Include abandonment plans for all temporary roads and abandonment projects.

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

10/1/2018 Page 4 of 9 Western Washington 2816726
17. If depositing spoils and/or expanding or developing a rock pit for forestry use, complete the table below. Show locations and identifiers on the Activity Map.

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

18. If operating within 200 feet of a wetland that is not associated with Type S or F Water, complete the table below. Wetlands associated with Type S or F water should be listed in Question 25. Show the boundaries of each wetland, along with its identifier, and Wetland Management Zones on the Activity Map. See instructions for information.

<table>
<thead>
<tr>
<th>Wetland Identifier (letter, number)</th>
<th>Wetland Type (A, B, Forsted)</th>
<th>Planned Activities in Wetland</th>
<th>Planned Activities in Maximum Width WMZ</th>
<th>Total Wetland Acres</th>
<th>How many Acres will be drained?</th>
<th>How many Acres will be filled?</th>
</tr>
</thead>
<tbody>
<tr>
<td>WL-1</td>
<td>A</td>
<td>None</td>
<td>Timber Harvest</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WL-2</td>
<td>A</td>
<td>None</td>
<td>Timber Harvest</td>
<td>18</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WL-3</td>
<td>A</td>
<td>None</td>
<td>Timber Harvest</td>
<td>1.5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FW-1</td>
<td>Forested</td>
<td>None</td>
<td>N/A</td>
<td>10</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FW-2</td>
<td>Forested</td>
<td>None</td>
<td>N/A</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

***** If not harvesting or salvaging timber, skip to Question 27 *****

19. If harvesting or salvaging timber, complete the table below. Show all harvest areas and unit numbers on the Activity Map. For even-aged harvest units, also show surrounding stand information on the Activity Map.

<table>
<thead>
<tr>
<th>Unit Number</th>
<th>Harvest Type (Even-aged, Uneven-aged, Salvage, Right-of-Way)</th>
<th>Biomass Harvest (Y/N)</th>
<th>Harvest Method (rubber tired skidder, tracked skidder, dozer, shovel, full suspension cable, leading and suspension cable, helicopter, cable assist/tethered logging, animal, chipper, forwarder, slash bundler)</th>
<th>Acres to be Harvested</th>
<th>Volume to be Harvested (m3)</th>
<th>Biomass Volume to be Harvested (tonnage)</th>
<th>Volume to be Harvested (%)</th>
<th>Steepest Slope in Harvest Unit (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Even-aged</td>
<td>Shovel, cable, and/or cable assist-tethered logging</td>
<td>7</td>
<td>175</td>
<td>100</td>
<td>110</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
20. Reforestation. Check all that apply:

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

** Do you own MORE than 80 acres of forest land in Washington? If yes, skip to Question 25 **

21. Are you using the exempt 20-acre parcel riparian management zone (RMZ) rule (WAC 222-30-023) on Type S, F, or Np Waters?
- [ ] No  Skip to Question 25.
- [ ] Yes  Continue to Question 22. See instructions for qualifications and information.

22. 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 forest land 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 forest land in Washington.

- [ ] b. ONE OR MORE of the following apply to me and/or my land (check all that apply):
  If any of the statements below apply AND you use the exempt 20-acre parcel RMZ rule, you are NOT authorized under the State’s Incidental Take Permits (see explanation in FPA Instructions under Question 22).
  - [ ] Between June 5, 2006 and today’s date I have owned more than 80 acres of forest land in Washington.
  - [ ] Between June 5, 2006 and today’s date this parcel has been a part of more than 20 acres of contiguous ownership. See RCW 76.09.020 for definition of ‘contiguous’.
  - [ ] Between June 5, 2006 and today’s date this parcel has been owned by someone that has owned more than 80 forested acres in Washington.
23. If harvesting within 115 feet of a Type S or F Water on an exempt 20-acre parcel, complete the table below. Show RMZs and stream segment identifiers on the Activity Map. If you are harvesting within 75 feet or within the maximum RMZ (whichever is less), stream shade must be assessed and met following harvest. Describe in Question 28 how stream shade was determined to be met, using the 'Appendix F. Stream Shade Assessment Worksheet' if necessary.

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

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

☐ No   Skip to Question 27.
☐ Yes  See instructions and describe leave tree strategy in Question 28. Then skip to Question 27.

25. If harvesting within 200 feet of any Type S or F Water or periodically inundated areas of their associated wetlands, complete the table below. Include Desired Future Condition (DFC) for all inner zone harvests unless you have an HCP prescription. Show RMZs, CMZs, and stream segment identifiers on the Activity Map. If you are harvesting within 75 feet or within the maximum RMZ, whichever is less, stream shade must be assessed and met following harvest. Describe in Question 28 how stream shade was determined to be met or use the 'Appendix F. Stream Shade Assessment Worksheet' if necessary.

<table>
<thead>
<tr>
<th>Stream Segment Identifier (letter)</th>
<th>Water Type (S, F)</th>
<th>Site Class (I - V)</th>
<th>Stream Width (feet)</th>
<th>Is there a CMZ? (Y or N)</th>
<th>RMZ Harvest Code(s) (see instructions)</th>
<th>DFC Run Number</th>
<th>Total width of RMZ (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>F</td>
<td>V</td>
<td>15</td>
<td>N</td>
<td>B, M</td>
<td>N/A</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

26. 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></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10/1/2018  Page 7 of 9  Western Washington  2816726
27. How are the following currently marked on the ground? (Flagging color, paint color, road, fence, etc.)
   Harvest/Salvage Boundaries: Pink 'Timber Harvest Boundary' flagging and timber type boundaries
   Clumped Wildlife Reserve Trees/Green Recruitment Trees: Pink THB flagging
   Right-of-Way Limits/Road Centerlines: N/A
   Stream Crossing Work: N/A
   Riparian Management Zone Boundaries and Leave/Take Trees: Pink THB flagging
   Channel Migration Zone: N/A
   Wetland Management Zone Boundaries and Leave/Take Trees: Pink THB flagging

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

*Great Wall* FPA:

- See attached Geotechnical Evaluation for this proposed harvest unit.
- Stream typing was determined by field review in September, 2018, referencing RMAP records, and evaluation of previous FPA activities involving these streams.
- All streams walked to top of channel
- Equipment crossings at streams will utilize logs/slash to minimize soil disturbance. Materials will be pulled upon completion of harvest.
- Cables may be suspended over Type-F water, though nothing will be yarded over or above Type-F water.
- WL-3 was addressed in FPA 2813324 previously. That FPA stated "Wetland E (the former label given that wetland) is a small open body of water that goes dry in summer. Visual assessment by Steven Huang and Brett Shattuck (Tulalip Tribes) on 7/12/2013 concur that this is non fish habitat, with only a periodic outflow and no inflow. Variable width buffer has been applied to this wetland, which will meet average 50 ft. requirement." New Wetland buffers placed on this wetland in 2018 also meet the average 50 foot buffer requirement for Type B Wetlands.
- Full-suspension of logs will be implemented near Site 6 as described in the attached Geotechnical report.
29. 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 Legal LANDOWNER</th>
<th>Signature of Legal TIMBER OWNER* (If different than landowner)</th>
<th>Signature of Legal OPERATOR (If different than landowner)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name: Josh Misenar</td>
<td>Print Name:</td>
<td>Print Name:</td>
</tr>
<tr>
<td>Date: 11/20/2018</td>
<td>Date:</td>
<td>Date:</td>
</tr>
</tbody>
</table>

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

Please make a copy of this FPA/N for your records. If this FPA/N contains a hydraulic project requiring WDFW concurrence review, it will not be available online for public review until after the WDFW concurrence review period.
Appendix D. Slope Stability Informational Form

Complete and attach this form to your FPA/N if you answered ‘Yes’ to FPA Question 10. Refer to WAC 222-16-050(1)(d) and Forest Practices Board Manual Section 16—Guidelines for Evaluating Potentially Unstable Slopes for definitions and descriptions of potentially unstable slopes or landforms.

1. a. What preliminary screening tools were used to identify unstable slopes or landform features in and/or around your proposal?
   - Aerial Photo, [ ] Lidar, [ ] Landslide Inventory, [ ] Landslide Hazard Zones, [ ] GIS, [ ] Other, describe:
     - Field Review
     - Geotechnical Report (see attached)

b. Did any of the features identified during the preliminary screening (1.a.) not exist when you performed a field review? If yes, describe:
   DNR Landslide Inventory polygons do not overlap proposed harvest area. No Rule Identified Landforms (RILs) were identified in the field in these locations inside the proposal area.

2. a. Are you conducting forest practices activities in or over potentially unstable slopes or landforms? Check all that apply.
   - [ ] Inner Gorge
   - [ ] Bedrock Hollow
   - [ ] Convergent Headwall
   - [ ] Outer edges of meander bends
   - [ ] Other (Deep-seated landslides or other features of potentially unstable slopes). Describe:

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

3. a. Are you conducting forest practices activities around potentially unstable slopes or landforms?
   Check all that apply:
   - [ ] Inner Gorge
   - [ ] 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

Revised 10/1/2018

2816724
4. a. Were any features identified in question 3.a. excluded from your forest practices activity?
   ☐ No, skip to question 5.  ☑ Yes, continue to question 4.b.

b. Describe the field indicators you used to exclude potentially unstable slopes or landforms from your forest practices activity (i.e.: flagging was placed a crown width away from the break in slope of the inner gorge):

   All bedrock hollow and other unstable features have been excluded from the proposed timber harvest area with pink timber harvest ribboning where slopes break into the feature or as described in the attached Geotechnical Evaluation report.

5. Are there areas of public use (which may include, but are not limited to: public roads, utilities, designated recreation areas, occupied structures, etc.) located in or around the area of your proposed forest practices activity?
   ☐ No  ☑ Yes, Show these locations on the map in question 7.

   Jay Lake is a recreational area located approximately 200 feet east of the southern portion of this unit.

6. Date(s) of field review(s): September 11 & October 10, 2018
   Person(s) that conducted field review(s):
   Josh Misener
   Name
   District Forester
   Title/position
   Andrew Canday, LEG
   Name
   Associate Engineering Geologist
   Title/position

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

   This map is intended to be developed by the field practitioner. This can be a forest practices activity map, harvest map, or GIS map – See attached example.
November 12, 2018

Sierra Pacific Industries
14353 McFarland Road
Mount Vernon, Washington 98273

Attention: Josh Misener

Subject: Forest Practices Geotechnical Evaluation
Great Wall Harvest Unit
Sections 18, T28N, R09E
Snohomish County, Washington
File No. 8007-072-06

GeoEngineers, Inc. (GeoEngineers) is pleased to present the results of our forest practices geotechnical evaluation of the Great Wall Harvest Unit in the Olney Creek and Upper Wallace River Watershed Administrative Units (WAUs) in Snohomish County, Washington. Prior to our site visit, the harvest unit had been evaluated and flagged by Sierra Pacific Industries (SPI) with the intent of avoiding unstable areas. SPI requested an evaluation by a "qualified expert" to confirm that the harvest boundaries had been appropriately flagged to avoid unstable areas and Rule-Identified Landforms (RILs), and to supplement your Forest Practices Application (FPA) to the Washington State Department of Natural Resources (DNR).

This evaluation was performed by Mr. Andrew J. Caneday, a licensed engineering geologist (No. 2555) in Washington and designated by DNR as a "qualified expert" for timberland slope stability evaluation.

PURPOSE AND SCOPE OF SERVICES

The purposes of this evaluation were to: (1) evaluate areas of concern identified during our office review; (2) assess the potential impacts of the proposed forest practices on slope stability; and (3) provide mitigation recommendations to minimize potential adverse impacts on slope stability from harvest activities, if necessary. Specifically, we completed the following scope of services:

- Reviewed available maps, reports and other information pertinent to the site.
- Interpreted historical aerial photography of the site.
- Performed a field reconnaissance of the harvest unit.
- Evaluated the potential effects of the proposed harvest activities on slope stability in the project area.
- Evaluated the potential for sediment delivery to public resources in the event of a landslide within the unit, based on our office review and site reconnaissance.
- Provided this letter summarizing our observations, conclusions and recommendations.

SITE AND PROJECT DESCRIPTION

The proposed harvest area is located in Section 18 of T28N, R9E in Snohomish County, Washington, as indicated in the Harvest Unit Plan, Figure 1. The proposed harvest area is primarily located on an east-facing slope above Jay Lake and the North Fork Wallace River, a fish-bearing (Type F) stream; however, a small portion of unit is on a west-facing slope above a wetland. The ground within the area proposed for harvest is generally inclined between approximately 60 and 90 percent. We understand that cable yarning is proposed for this harvest unit. The harvest area is bordered by Wallace Falls State Park to the north and east and additional SPI ownership to the west and south.

GEOLOGIC AND SOIL CONDITIONS

The published 1:50,000-scale geologic map for the area indicates that the proposed harvest unit is primarily underlain by Cretaceous- to Jurassic-age marine metasedimentary rocks of the western mélange belt (Booth, 1990). The map also indicates that the bedrock is overlain by till and recessional outwash in places. Soils are classified as well-drained, gravelly silt loam of the Oso-Getchell series (Washington State Division of Forest Land Management 1983).

LANDSLIDE ACTIVITY

Our assessment of the landslide activity within and adjacent to the proposed harvest unit is based on a review of available orthophotos of the project site through the Google Earth program (various photos from 1989 to 2017) and our field visit. Landslide inventory and LiDAR data was not available for project area at the time of our evaluation.

We observed no indications of landslide activity within the area proposed for harvest during our review of aerial photography and our site reconnaissance. Several slopes adjacent to the proposed harvest unit showed signs of historical instability during our site reconnaissance; however, these areas were flagged out of the area proposed for harvest.

SITE OBSERVATIONS AND RECOMMENDATIONS

The following observations were made in the field on October 10, 2018, with Josh Misener of SPI. The approximate location of each site observation is shown on Figure 1.

Site 1 is a steep, planar slope located above a wetland. The slope is inclined between 70 and 90 percent and supports primarily straight conifer and in-place old-growth stumps. Based on LiDAR topography, the slope and surrounding features appear to have formed by erosional and depositional processes during the most recent stage of continental glaciation, rather than by historical stream downcutting or mass wasting after glacial retreat. During our site reconnaissance, we did not observe any signs of inner gorge processes
occurring on the slope, including recent landsliding, scour or downcutting at the toe, changes in vegetation, or areas of convergence. Furthermore, we would not expect inner gorge processes to impact the slope in the future based on the presence of a wetland at the toe of the slope. Although a landslide initiating on the slope would likely deliver sediment to the wetland below, the slope shows no signs of instability occurring after the previous harvest. In our opinion, the slope does not qualify as an inner gorge and harvesting trees on the slope has a low risk of initiating mass wasting or delivery sediment to public resources.

**Site 2** is located along the east-facing side slope of a large valley formed by downcutting of sediments and rock by glacial meltwater streams during the retreat of ice during the last glaciation. The North Fork Wallace River now occupies the valley floor. The fish-bearing stream is a low gradient, low energy system as evidenced by multiple wetlands and lakes along the valley floor. LIDAR data suggests very limited downcutting by the North Fork Wallace River since the last glaciation. In our opinion, the valley side slope is not an inner gorge along the North Fork Wallace River because it was formed by glacial processes that are no longer active and the Wallace River is not actively scouring or down-cutting at the toe of the slope.

At Site 2, the valley side slope is approximately 200 feet high, broadly convergent and drains to Jay Lake. The slope is centered on a narrow saddle between two bedrock knobs. Down from the saddle, the slope is inclined at an average of 65 percent and supports straight trees and in-place old-growth stumps. Below the bedrock knobs, the slope is inclined at 85 to 90 percent for approximately 40 feet before shallowing to 65 percent for about 20 feet. The steeper portions of the feature support straight to bowed conifer and in-place old-growth stumps. The bow in some of the conifer is likely related to long-term soil creep on the steep slopes. The upper portion of the convergent slope shows no signs of mass wasting. Approximately 50 to 60 feet below the saddle, the slope breaks to approximately 80 percent and becomes more confined. The slopes support primarily bowed conifer and only scattered old-growth stumps. In our opinion, the lower, confined portion of the convergent slope is likely a bedrock hollow. The entire convergent slope, including the bedrock hollow, was flagged out of the proposed harvest unit.

**Site 3** is located north of Site 2 along the same valley side slope. The side slope at Site 3 is steep and planar and drains to the North Fork Wallace River. The upper 120 feet of the slope is inclined between 65 and 75 percent. Portions of the lower 80 feet of the slope exceed 90 percent locally. The upper and lower portions of the slope both support straight conifer and in-place old-growth stumps. During our site reconnaissance, we did not observe any signs of inner gorge processes occurring on the slope, including recent landsliding, scour or downcutting at the toe, changes in vegetation, or areas of convergence. Although a landslide initiating on the slope may deliver sediment to the river below, the slope shows no signs of instability occurring after the previous harvest. In our opinion, the slope does not qualify as an inner gorge and harvesting trees on the slope has a low risk of initiating mass wasting or delivery sediment to public resources. The harvest boundary in this area follows the property boundary, approximately 80 feet upslope from the valley floor.

**Sites 4 and 5** are two bedrock hollows located to the north and south of a bedrock ridge. The convergent features are both inclined at an average of 85 to 90 percent with portions locally exceeding 100 percent. The features support straight to bowed conifer and scattered in-place old-growth stumps. Outside of the features, the ground is planar and inclined at about 75 percent. The bedrock hollows have been flagged out of the harvest unit and the harvest boundaries follow the well-defined slope breaks along the sides and above the features.
Site 6 is a near-vertical, 50- to 70-foot-high rock cliff located about 400 feet north of Site 5 along the same valley side slope. The cliff exposes bedrock with widely to moderately close fracture spacing. Below the cliff, the slope is inclined at 75 to 85 percent and appears to be underlain with angular, cobble- to boulder-sized rock fragments. The slope supports primarily straight conifer and in-place old-growth stumps. The slope extends 50 to 100 feet below the cliff to a well-defined break-in-slope. Below the break, the ground is inclined at greater than 100 percent and supports small, bowed conifer and alder. The ground below the break appears unstable and a landslide initiating on the slope would likely delivery to the North Fork Wallace River. The unstable slope has been flagged out of the proposed harvest unit and the harvest boundary runs along the well-defined break-in-slope. In our opinion, trees above the break can be harvested; however, we recommend full suspension of logs over the bedrock cliff.

Site 7 is a broadly convergent slope inclined at an average of 75 percent. A near-vertical bedrock cliff, approximately 20 feet high, forms the upper break-in-slope of the feature. The majority of the ground within the feature supports straight conifer and in-place old-growth stumps; however, a small portion in the center shows signs of historic movement including bowed conifer and leaning stumps. Below the broadly convergent slope is a well-defined break-in-slope, likely a continuation of the steep, unstable slope observed below Site 6. The slope below the break is inclined at 90 to 100 percent and supports bowed conifer and alder. The steep slope below the break extends about 60 feet down to the North Fork Wallace River valley floor. The active channel of the North Fork Wallace River is located approximately 200 feet to the east of the valley side slope. We suspect that the channel migration zone (CMZ) of the North Fork Wallace River is located approximately 100 feet east of the valley side slope and that a landslide initiating within the unstable area above is unlikely to deliver; however, we did not confirm the location of the CMZ during our site reconnaissance. Therefore, the steep slope below the break and the area of historic movement were both flagged out of the harvest unit.

Site 8 is a broadly convergent slope. The feature is approximately 300 feet wide and extends about 270 feet above the valley floor. A portion of the south side slope of the feature exceeds 70 percent. The steep portion of the side slope is approximately 40 feet high and gradually shallows downslope to approximately 30 to 40 percent. The feature supports straight conifer and in-place old-growth stumps and shows no signs of instability. In our opinion, the feature does not meet the definition of a RIL and can be harvested.

CONCLUSIONS

Based on our site visit and review of pertinent maps, reports and aerial photographs of the site, it is our opinion that the harvest boundaries had been appropriately flagged to avoid unstable areas and RILs. The proposed forest practices are unlikely to cause or contribute to further movement on potentially unstable slopes or increase the delivery of sediment or debris to public resources because the features that were recognized by this evaluation as unstable or potentially unstable have been flagged out of the proposed harvest.

LIMITATIONS

We have prepared this letter for use by SPI for the Great Wall Harvest Unit. We provided our services to evaluate potential impacts of proposed harvest on specific sites within the harvest unit. Our
recommendations are intended to minimize adverse impacts on slope stability from forest practices. However, forest practices on slopes involve risk, only part of which can be mitigated through qualified engineering and harvest practices. Favorable performance of slopes in the near term does not imply a certainty of long-term performance, especially under conditions of adverse weather or seismic activity.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in the field of engineering geology in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

Please refer to Appendix A titled “Report Limitations and Guidelines for Use” for additional information pertaining to use of this report.

REFERENCES


We appreciate the opportunity to provide services to SPI. Please call if you have any questions concerning this report or if we can be of further assistance.

Sincerely,
GeoEngineers, Inc.

Andrew Cameday, LEG
Associate Engineering Geologist

Attachments:
Figure 1. Harvest Unit Plan
Appendix A. Report Limitations and Guidelines for Use

One copy submitted electronically

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.
Notes:
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of the communication.

Data Source: SPI 11/3/18

Harvest Unit Plan
Great Wall Harvest Unit
Snohomish County, Washington

Figure 1
APPENDIX A
Report Limitations and Guidelines for Use
APPENDIX A
REPORT LIMITATIONS AND GUIDELINES FOR USE

This attachment provides information to help you manage your risks with respect to the use of this report.

Geotechnical Services Are Performed for Specific Purposes, Persons and Projects

This report has been prepared for use by SPI. This report is not intended for use by others, and the information contained herein is not applicable to other sites.

GeoEngineers structures our services to meet the specific needs of our clients. For example, a geotechnical or geologic study conducted for a civil engineer or architect may not fulfill the needs of a construction contractor or even another civil engineer or architect that are involved in the same project. Because each geotechnical or geologic study is unique, each geotechnical engineering or geologic report is unique, prepared solely for the specific client and project site. No one except SPI should rely on this report without first conferring with GeoEngineers. This report should not be applied for any purpose or project except the one originally contemplated.

A Geotechnical Engineering or Geologic Report is Based on A Unique Set of Project-Specific Factors

This report has been prepared for Great Wall Harvest Unit located in Snohomish County, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you.
- not prepared for your project.
- not prepared for the specific site explored.
- completed before important project changes were made.

For example, changes that can affect the applicability of this report include those that affect:

- elevation, configuration, location, or orientation of the proposed harvest unit.
- project ownership.

If important changes are made after the date of this report, GeoEngineers should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

---

1 Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

GeoEngineers, Inc.
File No. 06807-077-06

2 8 1 6 7 2 6
Subsurface Conditions Can Change

This geologic report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by man-made events such as construction on or adjacent to the site, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Always contact GeoEngineers before applying a report to determine if it remains applicable.

Most Geotechnical and Geologic Findings Are Professional Opinions

Our interpretations of subsurface conditions are based on surficial observations and widely spaced exposures within roadcuts and stream channels at the site. GeoEngineers reviewed field data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ, sometimes significantly, from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

Read These Provisions Closely

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering or geology) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these "Report Limitations and Guidelines for Use" apply to your project or site.

Geotechnical, Geologic and Environmental Reports Should Not Be Interchanged

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.
Appendix A. Water Type Classification Worksheet
Western Washington

Stream/Segment ID: A
Date(s) Observed: 9/11/18

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

Stream/Segment ID: B & C
Date(s) Observed: 9/11/18

□ No. Continue
□ Yes. Attach documentation or approved WTMF number:
□ Fish found. Type F water. Stop.
□ No fish. Continue.
□ Yes. Meets waiver criteria. Continue to 6.

Stream/Segment ID: __________
Date(s) Observed: __________

□ No. Continue
□ Yes. Attach documentation or approved WTMF number:
□ Fish found. Type F water. Stop.
□ No fish. Continue.
□ Yes. Meets waiver criteria. Continue to 6.

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

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

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

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

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

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

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

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

   Stream/Segment ID: A
   All segments; Field review & RMAP/FPA records.

   Stream/Segment ID: B & C
   All segments; Field review & RMAP/FPA records.

   Stream/Segment ID: __________

2816726
Appendix A: WW 10/1/2018
5. ❌ No ☑ Yes Are there nesting platforms within any harvest unit (including salvage and road construction) that are within 300 feet that:
   - Are not located within a surveyed area, and;
   - Have a minimum of 2 platforms per acre, and;
   - Are located within 7 or more acres of contiguous habitat, and;
   - Have a least 40% (number not volume) of the dominant and co-dominant trees made up of Douglas-fir, western hemlock, western red cedar, or Sitka spruce?

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

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

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

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

Harvest Unit #(s) 1 ❌ Within the Unit ☑ Within 300 feet of the Unit

Description:
Scattered 32" trees exist. However, does not meet minimum platform criteria.

Harvest Unit #(s) 1 ☑ Within the Unit ❌ Within 300 feet of the Unit

Description:
Scattered 32" trees exist. However, does not meet minimum platform criteria.

Harvest Unit #(s) ______________________ ☑ Within the Unit ☑ Within 300 feet of the Unit

Description:

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

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

Answer every question.

1. **X** No  □ Yes  For this FPA/N, has a protocol survey(s) been completed that includes:
   - Harvest units (and within 300 ft on your ownership), or
   - Salvage units (and within 300 ft on your ownership), or
   - Any area of proposed road construction (and within 300 ft on your ownership)?
   If "Yes", fill out the table and check the appropriate findings below.

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

Explanation:

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

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

4. **X** No  □ Yes  Will you harvest live trees in a buffer of an occupied site?
   If Yes, describe the leave trees and buffer widths you will leave. **NOTE:** If you leave less than required in WAC 222-16-080(1)(j)(v) this is a Class IV-Special and an Environmental Checklist is required

Description of managed buffers:

Form QQ46 (05-14-05)  1 of 2  2816726
<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/19/2018</td>
<td>Pg. 5</td>
<td>Replaced pg. 5</td>
</tr>
</tbody>
</table>
UTGARD, LINDA (DNR)

From: Josh Misenar <JMisenar@spi-ind.com>
Sent: Wednesday, December 19, 2018 2:46 PM
To: UTGARD, LINDA (DNR)
Subject: FPA 2816726 ‘Great Wall’ Addendum

Please revise FPA 2816726 ‘Great Wall’ such that Question 18 lists WL-3 as a Type A Wetland, and not a Type B wetland as was previously submitted.

A 50-foot average wetland buffet was placed on WL-3 where it adjoins the proposed harvest unit.

Josh Misenar
Forester, Burlington District
Sierra Pacific Industries
360-957-0465

CONFIDENTIALITY NOTICE: This communication and any accompanying document(s) may contain confidential and privileged information of Sierra Pacific Industries. They are intended for the sole use of the addressee and any unauthorized review, use, copying, disclosure, distribution or the taking of any action in reliance upon the communication is prohibited. Moreover, any inadvertent disclosure shall not compromise or waive any privilege, right of confidentiality, or intellectual property right where applicable, including the attorney-client privilege as to this communication or otherwise, copyrights, trade secrets and other intellectual property rights. If you have received this communication in error, please contact our IS Department at HelpDesk@spi-ind.com or by telephone at (866) 866-4685.
Forest Practices Application/Notification
Notice of Decision

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

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

Number of Years Granted on Multi-Year Request
[ ] 4 years  [ ] 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:  Steven Huang
Title:  Skykomish Forest Practice Forester
Region:  Northwest
Date:  12/19/2018
Copies to:  [x] Landowner, Timber Owner and Operator.
Issued in person:  [ ] Landowner  [ ] Timber Owner  [ ] Operator  By:
Appeal Information

You have thirty (30) days to appeal this Decision and any related State Environmental Policy Act determinations to the Pollution Control Hearings Board in writing at the following addresses:
Physical address: 1111 Israel Rd. SW, Ste 301, Tumwater, WA 98501
Mailing address: P.O. BOX 40903, OLYMPIA, WA 98504-0903

Information regarding the Pollution Control Hearings Board can be found at: http://www.eluho.wa.gov/
At the same time you file an appeal with the Pollution Control Hearings Board, also send a copy of the appeal to the Department of Natural Resources’ region office and the Office of the Attorney General at the following addresses:

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

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

Other Applicable Laws

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

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

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

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

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

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

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

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

DNR affidavit of mailing:

<table>
<thead>
<tr>
<th>On this day</th>
<th>12/20/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>postage paid, a true and accurate copy of this document</td>
<td>Notice of Decision FPA # 2816726</td>
</tr>
<tr>
<td>L Utgard (Printed name)</td>
<td>(Signature)</td>
</tr>
</tbody>
</table>

Sedro-Woolley, WA,
(post office location)
<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/19/2018</td>
<td>Pg. 5</td>
<td>Replaced pg. 5</td>
</tr>
<tr>
<td>1-24-19</td>
<td>Transfer Form</td>
<td>Change of Landowner</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.

FPA/N Number: 2816726

Section(s): 18

Township: 28N

Range: 09E

Original Landowner (Signature):

Original Landowner (Printed): Sierra Pacific Industries

Date: 1/18/2019

New Operator – Complete this section only if you are:

☐ Changing an operator for:

☐ Road construction

☐ Timber harvest

☐ Aerial spray

☐ Adding an operator for:

☐ Road construction

☐ Timber harvest

☐ Aerial spray

Legal Name of New Operator: (Print)

Mailing Address:

Phone:

Email:

New Operator Signature:

Date:

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

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

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

Legal Name of New Landowner: (Print)

Sierra Pacific Land & Timber Company

Mailing Address:

14353 McFarland Road

Mount Vernon, WA 98273

Phone: (360)-424-7619

Email:

New Landowner Signature:

Date:

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

Legal Name of Timber Owner: (Print)

Mailing Address:

Phone:

Email:

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

New Timber Owner Signature:

Date:

Received by: [Signature]

Date: 1/12/2019

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