Forest Practices Application/Notification
Office Checklist Page 1
Northwest Region

FPA/N #: 2817453
Received Date: 5-19-2020
WDFW Concurrence Due Date: 
WDFW Concurrence Review Completed: 
Comments Due Date: 6-2-2020
Decision Due Date: 6-18-2020
FP Forester: SKY30
Shutdown Zone: 658
RMAP #: R2800056L

FPA/N CLASSIFICATION: [ ] II [X] III [ ] IVG [ ] IVS
Biomass [ ] FFFP [ ] 20-acre exempt [ ]

Landowner Name: SIERRA PACIFIC INDUSTRIES
Project Name: CRUMB CAKE

WRIA: __SNOHOMISH________________________
WATEG: __OLNEY CREEK________________________
WRIA: _______________
WATEG: _______________
Legal Description: _18, 19, 30-28-09E_______________
County: __SNOHOMISH________________________

Activity Type: Harvest__52.3_______ac Spray____________________ac
Stream Crossing(s) 9
Road Construction__6245______ft Abandonment__ __ ft
Rock Pit_0.5___________ac Spils____________________cy

ALTERNATIVE PRESCRIPTIONS ADDITIONAL COMMENTS:
[ ] Alternate Plan
[ ] Ten-Year Forest Management Plan
[ ] Columbia River Gorge National Scenic Area
[ ] Watershed Analysis: ______________________________
[ ] Landowner Option Plan for Northern Spotted Owl
[ ] Cooperative Habitat Enhancement Agreement

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

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

ASSOCIATED SCANNED DOCUMENTS
[ ] Conversion Option Harvest Plan
[ ] FPHP Plans & Specifications
[ ] Qualified Expert Report; Type:___________________
[ ] Natural Regeneration Plan
[ ] Shoreline Permit
[X] Marbled Murrelet Form
[ ] FPBM Appendix(s)___________________________
[ ] Small Landowner RMAP Checklist
[ ] CMZ Assessment Form
[ ] 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
[X] Ground-based Equipment on Slopes greater than 40%
[ ] Road Construction on Slopes greater than 65%
[X] Saltwater Islands (Name:____________________)
[ ] In or Over Type 1 water
[ ] Volume greater than 5 mbf per acre

ADDITINAL COMMENTS:
Form completed by ___LU__
For DNR Region Office Use Only

<table>
<thead>
<tr>
<th>FPA/N #:</th>
<th>2817453</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region:</td>
<td>NW</td>
</tr>
<tr>
<td>Received Date:</td>
<td>5-19-2020</td>
</tr>
</tbody>
</table>

**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 Land &amp; Timber Co.</td>
<td></td>
<td>Sierra Pacific Industries</td>
</tr>
<tr>
<td></td>
<td>Same as Landowner</td>
<td>Same as Landowner</td>
</tr>
<tr>
<td></td>
<td>14353 McFarland Road</td>
<td>14353 McFarland Road</td>
</tr>
<tr>
<td></td>
<td>Mount Vernon, WA 98273</td>
<td>Mount Vernon, WA 98273</td>
</tr>
<tr>
<td></td>
<td>360-957-0465</td>
<td>360-957-0465</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:jmisenar@spi-ind.com">jmisenar@spi-ind.com</a></td>
<td><a href="mailto:jmisenar@spi-ind.com">jmisenar@spi-ind.com</a></td>
</tr>
</tbody>
</table>

2. **Contact Person**

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

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

   X No  ☐ Yes

If yes, include your SEPA checklist and SEPA determination (if applicable) and county clearing and grading permit (if applicable).

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

   800 059 489

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

a. **Are you eligible for EARR Tax Credit?**

   ☐ No  X 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.
   ☐ 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>09</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
</tr>
<tr>
<td>19</td>
<td>28N</td>
<td>09</td>
<td>E</td>
<td></td>
<td>Snohomish</td>
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<tr>
<td>30</td>
<td>28N</td>
<td>09</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)?
   ☐ No Is a Small Forest Landowner RMAP Checklist required (see instructions)? ☐ No ☒Yes
   ☒Yes Enter your RMAP number: R2800056L
   Is this FPA/N for work that is included in this approved RMAP? ☐ No ☒Yes

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: __________________________________________
   g. ☒ No ☐ Yes In an approved Conversion Option Harvest Plan (COHP) from the local government? If yes, include a copy. This only applies to proposals within urban growth areas.
   h. ☒ No ☐ Yes Within 200 feet of the Ordinary High Water Mark (OHWM) or floodway of Type S Water? If yes, check with the county or city to determine whether a substantial development permit is required under the local shorelines master plan.
   i. ☐ No ☒ Yes Within 50 miles of saltwater AND you own more than 500 acres of forest land in Washington State? If yes, include Marbled Murrelet Form or attach/reference HCP prescriptions.
   j. ☒ No ☐ Yes In or directly adjacent to a potential Channel Migration Zone (CMZ)? If yes, include CMZ Assessment Form. Attach/reference applicable HCP and/or Watershed Analysis prescriptions.

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

        * * * * * If not working in or over typed Waters, skip to Question 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**, puncheon/fill, arch, pipe arch, round culvert, other)</th>
<th>Proposed Size (width x length)</th>
<th>Culvert Design Method (no-slope, stream-sim, hydraulic, other) (F and S only)</th>
<th>Channel Bed Width (ft) (F and S only)</th>
<th>Stream Gradient (%), F and S only</th>
<th>Is this an RMAP Project?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attached</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

15. If conducting any of the following activities in or over typed Water(s), complete the table below. Some activities will require identifiers on the Activity Map and/or more information in Question 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>X</td>
<td></td>
</tr>
<tr>
<td>Suspending Cables</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Cable Yarding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LWD Placement/Removal</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Beaver Dam Removal</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Felling and Bucking</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Other (describe in Question 28)</td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

* 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>
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</tr>
<tr>
<td>See Attached</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Questions 14 & 16: 'Crumb Cake FPA'

### Crumb Cake Stationing Notes - Spur A

<table>
<thead>
<tr>
<th>Map #</th>
<th>Station</th>
<th>H2O</th>
<th>BFV</th>
<th>Total Length (Feet)</th>
<th>Steepest Side-Slope</th>
<th>Is this an RMAP Project? (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>325</td>
<td>20</td>
<td>N</td>
</tr>
</tbody>
</table>

- **0+00**: Leave 24130 Road
- **3+25**: Build Shovel Landing and Construct Ditch Out

### Crumb Cake Stationing Notes - Spur B

<table>
<thead>
<tr>
<th>Map #</th>
<th>Station</th>
<th>H2O</th>
<th>BFV</th>
<th>Total Length (Feet)</th>
<th>Steepest Side-Slope</th>
<th>Is this an RMAP Project? (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,355</td>
<td>45</td>
<td>N</td>
</tr>
</tbody>
</table>

- **0+00**: Leave 24229 Road. Expand road outward to the east far 27' to compliment turn.
- **2+05**: Build Ditch Out
- **2+25**: Build Shovel Landing
- **1 5+10**: Install 18x30 Culvert. OD
- **2 5+30**: Install 24x40 Culvert at Ns Stream Crossing
- **3 6+05**: Install 18x40 Culvert.
- **4 6+85**: Install 24x40 Culvert at Ns Stream Crossing
- **5 8+05**: Install 18x40 Culvert.
- **6 9+65**: Install 18x40 Culvert.
- **7 11+35**: Install 18x30 Culvert. OD
- **13+55**: End of Road. Construct New Shovel Landing

### Crumb Cake Stationing Notes - Spur C

<table>
<thead>
<tr>
<th>Map #</th>
<th>Station</th>
<th>H2O</th>
<th>BFV</th>
<th>Total Length (Feet)</th>
<th>Steepest Side-Slope</th>
<th>Is this an RMAP Project? (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,415</td>
<td>50</td>
<td>N</td>
</tr>
</tbody>
</table>

- **0+00**: Leave 654 Road. Construct Cable Landing.
- **8 3+00**: Install 18x30 Culvert. OD
- **9 5+80**: Install 18x30 Culvert. OD
- **10 7+00**: Install 24x40 Culvert at Ns Stream Crossing
- **11 7+50**: Install 18x30 Culvert. OD
- **12 10+15**: Install 18x40 Culvert.
- **13 11+40**: Install 24x40 Culvert at Ns Stream Crossing
- **14 12+84**: Install 24x40 Culvert at Ns Stream Crossing
- **15 13+22**: Install 24x40 Culvert at Ns Stream Crossing
- **14 15**: End of Road. Construct New Shovel Landing

### Crumb Cake Stationing Notes - Spur D

<table>
<thead>
<tr>
<th>Map #</th>
<th>Station</th>
<th>H2O</th>
<th>BFV</th>
<th>Total Length (Feet)</th>
<th>Steepest Side-Slope</th>
<th>Is this an RMAP Project? (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,150</td>
<td>65</td>
<td>N</td>
</tr>
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</table>

- **0+00**: Construct Ditch Out
- **16 2+85**: Construct Ditch Out
- **17 7+40**: Install 72x36 Culvert at Np Stream Crossing
- **18 9+00**: Install 54x40 Culvert at Np Stream Crossing
- **19 9+70**: Install 18x40 Culvert. OD
- **20 11+10**: Install 30x40 Culvert. OD
- **21 11+60**: Install 18x30 Culvert. OD
- **12 12+40**: Construct Ditch Out
- **16+10**: Connect Spur D to 24225 Road. Ensure adequate truck turning in both directions. Begin Road Re-Construction
- **22 17+50**: Install 18x40 Culvert.
- **23 22+50**: Install 18x40 Culvert.
- **24 25+90**: Install 18x40 Culvert.
- **27+50**: Construct Sediment Trap
- **29+50**: Construct Sediment Trap
- **31+60**: End Road Re-Construction. Construct New Shovel Landing. Old road continues onward, but read re-construction ends at designated landing location with a painted circled "x".

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2817453
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>Spill 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>RP-1</td>
<td>0.5</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, Forested)</th>
<th>Planned Activities in Wetland</th>
<th>Planned Activities in Maximum Width WMZ</th>
<th>Total Wetland Acres</th>
<th>How many Acres will be drained?</th>
<th>How many Acres will be filled?</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWell-1</td>
<td>Forested</td>
<td>Timber Harvest</td>
<td>N/A</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FWell-2</td>
<td>Forested</td>
<td>Timber Harvest</td>
<td>N/A</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FWell-3 &amp; 4</td>
<td>Forested</td>
<td>Harvest, Road Construction</td>
<td>N/A</td>
<td>0.3 &amp; 0.2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Well-1</td>
<td>A</td>
<td>None</td>
<td>Harvest, Road Construction</td>
<td>8</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Well-2</td>
<td>A</td>
<td>None</td>
<td>Timber Harvest</td>
<td>8</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Well-3</td>
<td>A</td>
<td>None</td>
<td>Road Construction</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 (Yr or M)</th>
<th>Harvest Method (rubber tired skidder, tracked skidder, dozer, shovel, full suspension cable, leading end suspension cable, helicopter, cable assisted/teetered logging, animal, chipper, forwarder, slash bundler)</th>
<th>Acres to be Harvested</th>
<th>Volume to be Harvested (Mbf)</th>
<th>Biomass Volume to be Harvested (tonnage)</th>
<th>Volume to be Harvested (%)</th>
<th>Steepest Slope in Harvest Unit (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Even-aged</td>
<td>Ground-based - All Methods</td>
<td>0.3</td>
<td>8</td>
<td>0</td>
<td>99</td>
<td>99</td>
<td>40</td>
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<tr>
<td>2</td>
<td>Even-aged</td>
<td>Ground-based - All Methods</td>
<td>15</td>
<td>306</td>
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<td>99</td>
<td>99</td>
<td>35</td>
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<tr>
<td>3</td>
<td>Even-aged</td>
<td>Ground-based - All Methods</td>
<td>22</td>
<td>561</td>
<td>0</td>
<td>99</td>
<td>99</td>
<td>45</td>
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<tr>
<td>4</td>
<td>Even-aged</td>
<td>Ground-based - All Methods</td>
<td>7</td>
<td>179</td>
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<td>50</td>
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<td>6</td>
<td>Even-aged</td>
<td>Ground-based - All Methods</td>
<td>2</td>
<td>46</td>
<td>0</td>
<td>99</td>
<td>99</td>
<td>50</td>
</tr>
<tr>
<td>7</td>
<td>Even-aged</td>
<td>Ground-based - All Methods</td>
<td>2</td>
<td>56</td>
<td>0</td>
<td>99</td>
<td>99</td>
<td>50</td>
</tr>
</tbody>
</table>
20. Reforestation. Check all that apply:

☑ Planting. Tree Species: Douglas-fir

☐ 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 Fp 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
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>
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<td></td>
<td></td>
</tr>
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<tr>
<td></td>
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<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  Soo instructions and describe loavo troo troo stratogy 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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<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>
<th>Stream Segment Identifier (letter)</th>
<th>Total Stream Length in Harvest Unit (feet)</th>
<th>Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Np1</td>
<td>1,686'</td>
<td>1,536'</td>
<td>Np1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Np3</td>
<td>1,373'</td>
<td>867'</td>
<td>Np3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Question 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)</th>
<th>DFC Run Number</th>
<th>Total width of RMZ (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>F</td>
<td>2</td>
<td>10' +</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>170</td>
</tr>
<tr>
<td>F2</td>
<td>F</td>
<td>2</td>
<td>10' +</td>
<td>N</td>
<td>B, K</td>
<td>N/A</td>
<td>170</td>
</tr>
<tr>
<td>F3</td>
<td>F</td>
<td>2</td>
<td>10' +</td>
<td>N</td>
<td>E, L</td>
<td>54080</td>
<td>170</td>
</tr>
<tr>
<td>F4</td>
<td>F</td>
<td>3</td>
<td>10' +</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>140</td>
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<tr>
<td>F5</td>
<td>F</td>
<td>1</td>
<td>10' +</td>
<td>N</td>
<td>E, L, M</td>
<td>54079</td>
<td>200</td>
</tr>
<tr>
<td>F6</td>
<td>F</td>
<td>RA/1</td>
<td>&gt;10'</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>200</td>
</tr>
<tr>
<td>F7</td>
<td>F</td>
<td>3</td>
<td>10' +</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>140</td>
</tr>
<tr>
<td>F8</td>
<td>F</td>
<td>1</td>
<td>&gt;10'</td>
<td>N</td>
<td>E, L</td>
<td>54007</td>
<td>200</td>
</tr>
<tr>
<td>F9</td>
<td>F</td>
<td>3</td>
<td>10' +</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>140</td>
</tr>
<tr>
<td>F10</td>
<td>F</td>
<td>2</td>
<td>&gt;10'</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>170</td>
</tr>
<tr>
<td>F11</td>
<td>F</td>
<td>4</td>
<td>&gt;10'</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>110</td>
</tr>
<tr>
<td>F12</td>
<td>F</td>
<td>4</td>
<td>&gt;10'</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>110</td>
</tr>
<tr>
<td>F13</td>
<td>F</td>
<td>3</td>
<td>10' +</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>140</td>
</tr>
<tr>
<td>F14</td>
<td>F</td>
<td>1</td>
<td>10' +</td>
<td>N</td>
<td>E, L</td>
<td>58006</td>
<td>200</td>
</tr>
<tr>
<td>F15</td>
<td>F</td>
<td>3</td>
<td>&gt;10'</td>
<td>N</td>
<td>B, L</td>
<td>N/A</td>
<td>140</td>
</tr>
<tr>
<td>F16</td>
<td>F</td>
<td>2</td>
<td>10' +</td>
<td>N</td>
<td>B, K</td>
<td>N/A</td>
<td>170</td>
</tr>
</tbody>
</table>
27. How are the following currently marked on the ground? (Flagging color, paint color, road, fence, etc.)

Harvest/Salvage Boundaries: Pink 'Timber Harvest Boundary' (THB) flagging

Clumped Wildlife Reserve Trees/Green Recruitment Trees: Pink 'THB' flagging

Right-of-Way Limits/Road Centerlines: Orange and Blue Flagging

Stream Crossing Work: Pink Painted 'Stream X'ing' on Stump

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', Orange & Green for FWetl-1 for Minimal Entry

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.

"Crumb Cake" FPA:

- A protocol survey was conducted for stream segments F1 and FWetl-1 on April 24, 2020. No request for a Water Type Modification for forested wetland FWetl-1 is being made at this time, but this FPA proposes to treat a formerly designated Ns stream from 2812905 'Camp 2', as an F-type stream labeled as F1 for this FPA. A protocol survey report is attached to support the stream typing designations made on this application along with conclusions reached pertaining to FWetl-1 on the following FPAs (1) 2812905 'Camp 2', approved 10/22/2012, and (2) 2813626 'Riverside', approved 11/11/2013.

- An area is flagged out along the entire boundary of FWetl-1 with orange & green flagging. In this area, operators will minimize equipment activity for resource protection purposes.

- The Leave Tree Area designated "LT-1" contains 21 conifers that are greater than 12" in diameter at DBH height. These trees will be left as a clumped leave tree area to support DFC segment A (Run 54079), which requires 10 Inner Zone Trees and 23 Outer Zone Trees (see attached DFC Worksheets). In addition to these clumped trees, 12 Outer Zone Leave Trees will be left in a scattered arrangement in the F5 DFC Outer Zone Area, to meet DFC requirements. All other DFC leave trees are scattered in their respective zones.

- No road construction activities are proposed within the core zone of any F-type water. New road construction activities for Spur B will occur within the inner zone of the RMZ buffer area for Wetl-1 for a segment, approximately 75-feet in total road length. For this brief stretch, the Spur B will be approximately 80-feet away from the outermost point of seasonal inundation for Wetl-1. This location was chosen to avoid road building activities in the very poorly-drained soils of FWetl-4, which would be the only viable alternate option in that area for road-building outside the 105' Inner Zone RMZ buffer for Wetl-1 for this road segment. Spur B avoids the Wetl-1 RMZ in all other locations.

- Portions of 'Spur D' are part of an existing road and maintenance activities/road re-construction will be performed on this road in the area shown on the FPA map (see Question 14 & 16 - 'Stationing Notes').

- An equipment crossing over stream Np3 is proposed for access to Unit 7 from the west. This segment of stream was observed to be dry on March 16 & March 20, 2020. During that period, stream flow was observed upstream of this segment and thus an Np designation is assigned to this segment. At this proposed equipment crossing location, stream Np3 bed and banks are poorly defined and flow is largely sub-surface, a conclusion supported by the upstream flow in March 2020, with dry conditions here. Equipment will utilize logs for crossing this stream area during operations and will remove these logs after harvest is complete.

- Stream crossings for Spur D were strategically located & avoid inner gorge features along streams Np2 & Np3

Out of continuing concern for social distancing measures while operating as an essential business, we are requesting the following for field visits on our property at this time:

- Advance communication from all participants expressing interest in a field visit
- Ability of each participant to drive to the site in separate vehicles equipped to safely navigate the access route
- Completing a health questionnaire documenting an absence of risk factors for the day of each visit
- Maintaining minimum 6 foot separation at all times during meetings.
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 any portion of the land to non-forestry use, the county or city may deny development permits on this parcel for the next 6 years.
- The following may result in an unauthorized incidental take of certain endangered or threatened fish species:
  - Conversion of land to non-forestry use.
  - Harvesting within the maximum RMZ on a 20-acre exempt parcel that was acquired after June 5, 2006.
  - Equipment Crossings/Fords in or over Type S and F Waters.
- Inadvertent Discovery – Chapters 27.44, 27.53, 68.50 and 68.60 RCW
  - If you find or suspect you have found an archaeological object or Native American cairn, grave, or glyptic record, immediately cease disturbance activity, protect the area and promptly contact the Department of Archaeology and Historic Preservation at 360 586-3077.
  - If you find or suspect you have found human skeletal remains, immediately cease disturbance activity, protect the area, and contact the County Coroner or Medical Examiner and local law enforcement as soon as possible. Failure to report human remains is a misdemeanor.

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

| Signature of Legal LANDOWNER | Signature of Legal TIMBER OWNER*  
|------------------------------|--------------------------------|
| Print Name: Josh Misener | Print Name: Josh Misener  
| Date: 05/18/2020 | Date: 05/18/2020  

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

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


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

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

     All RILs are excluded from the proposed harvest and road construction area.

   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?
   - X Inner Gorge  ☐ Groundwater recharge areas for glacial deep-seated landslides
   - ☐ Bedrock Hollow  ☐ Convergent Headwall  ☐ Outer edges of meander bends
   - ☐ Toe of deep-seated landslide with slopes ≥ 65%
   - ☐ Category E - see instructions and describe below (i.e.: Active deep-seated landslides and others)
   - ☐ Other, describe:

     The proposed harvest unit 6 near an area of inner gorge features on stream Np3. All inner gorge features have been bound out of the harvest unit, at or beyond the break in slope. The break in slope was determined to be a change of slope of 10 degrees or greater, for slope angles over 35 degrees. 'Spur D' crosses streams Np2 and Np3. Although those streams do have inner gorge features at various locations along them, all road crossings were located to avoid these features. No other RIL features exist in or around the proposed harvest units or road building locations.

   b. What activities may occur around potentially unstable slopes or landforms? Check all that apply:
      - X Timber harvest  X Road construction  ☐ Suspending cables  ☐ Yarding  ☐ Tailholds
4. a. Were any features identified in Question 3.a. excluded from your forest practices activity?

☐ No, go to Question 5.  ☒ Yes, continue to Question 4.b.

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

All inner gorge features were excluded from the proposed harvest area by hanging Pink THB flagging at or beyond the break in slope defining the landform.

5. Are there areas of public use located in or around the area of your proposed forest practices activity?

☒ No, go to Question 6  ☐ Yes, check all that apply and show locations on the map in Question 7.

☐ Public Road(s)  ☐ Utilities  ☐ Designated Recreation Area(s)  ☐ Occupied Structure(s)

☐ Other, describe:

No threats to public safety were identified with respect to proposed work within the forest practices activity area. See attached Slope Stability map for approximate locations of any known off-site infrastructure.

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>03/16/2020</td>
<td>Josh Misenar</td>
<td>Forester</td>
</tr>
</tbody>
</table>

7. Attach a map that shows the following:

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

This map is intended to be developed by the field practitioner. This can be a forest practices activity map, harvest map, or GIS map – See instructions for example map.
DFC Summary Page
DFC Program Version 3.0

DFC Run Number: 54079
Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD. MT VERNON, WA 98273
Phone: 360 424-7619

Project Name: CRUMB CAKE 1
Stream Segment: A
Legal Desc: Section: 30 Township: 28 Range: 9 East

Stream Size: LARGE
Site Class: 1
Major Species: DOUGLAS FIR
RMZ Length: 730
Eastside Option: NO

Core Pre-Harvest Zone Summary
Acres: 0.84
Total Age of Overstory: 53
Trees / Acre: 480.95
Basal Area Acre: 343.94
Percent Conifer: 98.64

Inner Zone Pre-Harvest Summary
Acres (Option 1): 1.68
Total Age of Overstory: 53
Trees / Acre: 359.22
Basal Area Acre: 252.72
Percent Conifer: 99.69

Core Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifer</th>
<th>Hardwood</th>
</tr>
</thead>
<tbody>
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<tr>
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Inner Zone Stand Table

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</thead>
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<tr>
<td>22</td>
<td>6</td>
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</tbody>
</table>

Required DFC of the Combined Core and Inner Zones at age 140: 325
Projected B.A. of Core Zone at 140 as a % of DFC: 411.35 (27% over Required B.A.)
Projected B.A. of Inner Zone at 140 as a % of DFC: 404.76 (25% over Required B.A.)
Projected B.A. of Combined Core and Inner Zones at Age 140: 408.05 (26% over Required B.A.)
Option 1
DFC Program Version

Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD. MT VERNON, WA 98273
Phone: 360 424-7619

Project Name: CRUMB CAKE 1
Stream Segment: A
Legal Desc: Section: 30 Township: 28 Range: 9 East

Inner Zone post-thinning Statistics
Trees / Acre: 57.28
Basal Area / Acre: 95.87
Percent Conifer: 99.6900024414063

Required Basal Area of Thinned Inner Zone at age 140 must be at least 281.83 Sq. Ft / Acre at age 140.
Projected Basal Area of Thinned Inner Zone at age 140 will be at least 349.93 Sq. Ft / Acre at age 140.

The inner zone for Option 1 is from 50 to 150 feet.

Inner Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifers: Can Be Cut</th>
<th>Required Leave Trees</th>
<th>Hardwood: Can Cut All</th>
<th>Required Leave Trees</th>
<th>Conifer BA Cut</th>
<th>Conifer BA Leave</th>
</tr>
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<tr>
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<td>6</td>
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<td>0</td>
<td>15.84</td>
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</tbody>
</table>

Totals: 261.56 160.66

Option 1 Outer Zone Width: 50
Option 1 Outer Zone Acres: 0.84
Option 2
DFC Program Version

Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD. MT VERNON, WA 98273
Phone: 360 424-7619

Project Name: CRUMB CAKE 1
Stream Segment: A
Legal Desc: Section: 30 Township: 28 Range: 9 East

Inner Zone Floor: 50 to 105 feet, no harvesting allowed.
ClearCut Inner Zone: 105 to 134 feet, Need 10 Riparian leave trees in this area. Leave trees must be at least 12 inches at DBH.
Outer Zone: 134 to 200 feet, Need 23 Riparian leave trees in this area.

Option 2 Outer Zone Width: 66
Option 2 Outer Zone Acres: 1.11
DFC Summary Page
DFC Program Version 3.0

DFC Run Number: 54080
Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273
Phone: 360 424-7619

Project Name: CRUMB CAKE 1
Stream Segment: B
Legal Desc: Section: 30 Township: 28 Range: 9 East
Stream Size: LARGE
Site Class: 2
Major Species: DOUGLAS FIR
RMZ Length: 500
Eastside Option: NO

Core Pre-Harvest Zone Summary
Acres: 0.57
Total Age of Overstory: 53
Trees / Acre: 306.66
Basal Area Acre: 217.66
Percent Conifer: 95.14

Core Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifer</th>
<th>Hardwood</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
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</tr>
<tr>
<td>32</td>
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</tr>
</tbody>
</table>

Inner Zone Pre-Harvest Summary
Acres (Option 1): 0.9
Total Age of Overstory: 53
Trees / Acre: 295.98
Basal Area Acre: 223.13
Percent Conifer: 98.29

Inner Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifer</th>
<th>Hardwood</th>
</tr>
</thead>
<tbody>
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<td>4</td>
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</tr>
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<tr>
<td>28</td>
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</tbody>
</table>

Required DFC of the Combined Core and Inner Zones at age 140: 325
Projected B.A. of Core Zone at 140 as a % of DFC: 396.81 (22% over Required B.A.)
Projected B.A. of Inner Zone at 140 as a % of DFC: 398.9 (23% over Required B.A.)
Projected B.A. of Combined Core and Inner Zones at Age 140: 397.85 (22% over Required B.A.)
Option 1
DFC Program Version

Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273
Phone: 360 424-7619

Project Name: CRUMB CAKE 1
Stream Segment: B
Legal Desc: Section: 30 Township: 28 Range: 9 East

Inner Zone post-thinning Statistics
Trees / Acre: 58.08
Basal Area / Acre: 86.7
Percent Conifer: 98.2800009155273
Required Basal Area of Thinned Inner Zone at age 140 must be at least 278.97 Sq. Ft / Acre at age 140.
Projected Basal Area of Thinned Inner Zone at age 140 will be at least 338.36 Sq. Ft / Acre at age 140.

The inner zone for Option 1 is from 50 to 128 feet.

Inner Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifers: Can Be Cut</th>
<th>Required Leave Trees</th>
<th>Hardwood: Can Cut All</th>
<th>Required Leave Trees</th>
<th>Conifer BA Cut</th>
<th>Conifer BA Leave</th>
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<td>总数</td>
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</tr>
</tbody>
</table>

Option 1 Outer Zone Width: 42
Option 1 Outer Zone Acres: 0.48
Option 2
DFC Program Version

Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273
Phone: 360 424-7619

Project Name: CRUMB CAKE 1
Stream Segment: B
Legal Desc: Section: 30 Township: 28 Range: 9 East

Inner Zone Floor: 50 to 100 feet, no harvesting allowed.
ClearCut Inner Zone: 100 to 120 feet, Need 5 Riparian leave trees in this area. Leave trees must be at least 12 inches at DBH.
Outer Zone: 120 to 170 feet, Need 12 Riparian leave trees in this area.
Note: An additional 9.1 Sq. Ft. of basal area may be removed from the Outer Zone as long as 6 riparian leave trees are left.

Option 2 Outer Zone Width: 50
Option 2 Outer Zone Acres: 0.57
DFC Summary Page
DFC Program Version 3.0

DFC Run Number: 54007
Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273
Phone: 360 424-7619

Project Name: CRUMB CAKE
Stream Segment: C
Legal Desc: Section: 19 Township: 28 Range: 9 East

Stream Size: SMALL
Site Class: 1
Major Species: DOUGLAS FIR
RMZ Length: 475
Eastside Option: NO

Core Pre-Harvest Zone Summary
Acres: 0.55
Total Age of Overstory: 49
Trees / Acre: 203.59
Basal Area Acre: 180.3
Percent Conifer: 96.29

Inner Zone Pre-Harvest Summary
Acres (Option 1): 0.91
Total Age of Overstory: 49
Trees / Acre: 135.9
Basal Area Acre: 167.29
Percent Conifer: 94.7

Core Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifer</th>
<th>Hardwood</th>
</tr>
</thead>
<tbody>
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<tr>
<td>6</td>
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<td>10</td>
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Inner Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifer</th>
<th>Hardwood</th>
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<tbody>
<tr>
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<td>2</td>
</tr>
<tr>
<td>24</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

Required DFC of the Combined Core and Inner Zones at age 140: 325
Projected B.A. of Core Zone at 140 as a % of DFC: 398.8 (23% over Required B.A.)
Projected B.A. of Inner Zone at 140 as a % of DFC: 392.07 (21% over Required B.A.)
Projected B.A. of Combined Core and Inner Zones at Age 140: 395.43 (22% over Required B.A.)
Option 1
DFC Program Version

Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273
Phone: 360 424-7619

Project Name: CRUMB CAKE
Stream Segment: C
Legal Desc: Section: 19 Township: 28 Range: 9 East

Inner Zone post-thinning Statistics

Trees / Acre: 57.45
Basal Area / Acre: 107.19
Percent Conifer: 94.6999989482422

Required Basal Area of Thinned Inner Zone at age 140 must be at least 280.54 Sq. Ft / Acre at age 140.
Projected Basal Area of Thinned Inner Zone at age 140 will be at least 374.02 Sq. Ft / Acre at age 140.

The inner zone for Option 1 is from 50 to 133 feet.

Inner Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifers: Can Be Cut</th>
<th>Required Leave Trees</th>
<th>Hardwood: Can Cut All</th>
<th>Required Leave Trees</th>
<th>Conifer BA Cut</th>
<th>Conifer BA Leave</th>
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</tbody>
</table>

Totals 46.36 97.02

Option 1 Outer Zone Width: 67
Option 1 Outer Zone Acres: 0.73
Option 2
DFC Program Version

Landowner: SIERRA PACIFIC INDUSTRIES  
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273  
Phone: 360 424-7619

Project Name: CRUMB CAKE
Stream Segment: C
Legal Desc: Section: 19 Township: 28 Range: 9 East

Inner Zone Floor: 50 to 106 feet, no harvesting allowed.
ClearCut Inner Zone: 106 to 134 feet, Need 7 Riparian leave trees in this area. Leave trees must be at least 12 inches at DBH.
Outer Zone: 134 to 200 feet, Need 15 Riparian leave trees in this area.

Option 2 Outer Zone Width: 66
Option 2 Outer Zone Acres: 0.72
DFC Summary Page
DFC Program Version 3.0

DFC Run Number: 54006
Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273
Phone: 360 424 7619

Project Name: CRUMB CAKE
Stream Segment: D
Legal Desc: Section: 30 Township: 28 Range: 9 East

Stream Size: LARGE
Site Class: 1
Major Species: DOUGLAS FIR
RMZ Length: 300
Eastside Option: NO

Core Pre-Harvest Zone Summary
Acres: 0.34
Total Age of Overstory: 49
Trees / Acre: 365.9
Basal Area Acre: 313.23
Percent Conifer: 91.42

Inner Zone Pre-Harvest Summary
Acres (Option 1): 0.69
Total Age of Overstory: 49
Trees / Acre: 235.22
Basal Area Acre: 198.05
Percent Conifer: 98.82

Core Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifer</th>
<th>Hardwood</th>
</tr>
</thead>
<tbody>
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<td>12</td>
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Inner Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifer</th>
<th>Hardwood</th>
</tr>
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<tbody>
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<td>1</td>
<td>0</td>
</tr>
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</table>

Required DFC of the Combined Core and Inner Zones at age 140: 325
Projected B.A. of Core Zone at 140 as a % of DFC: 414.78 (28% over Required B.A.)
Projected B.A. of Inner Zone at 140 as a % of DFC: 404.39 (24% over Required B.A.)
Projected B.A. of Combined Core and Inner Zones at Age 140: 409.59 (26% over Required B.A.)
Option 1
DFC Program Version

Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273
Phone: 360 424 7619

Project Name: CRUMB CAKE
Stream Segment: D
Legal Desc: Section: 30 Township: 28 Range: 9 East

Inner Zone post-thinning Statistics

Trees / Acre: 58.08
Basal Area / Acre: 89.93
Percent Conifer: 98.8199996948242

Required Basal Area of Thinned Inner Zone at age 140 must be at least 280.11 Sq. Ft / Acre at age 140.
Projected Basal Area of Thinned Inner Zone at age 140 will be at least 363.71 Sq. Ft / Acre at age 140.

The inner zone for Option 1 is from 50 to 150 feet.

Inner Zone Stand Table

<table>
<thead>
<tr>
<th>DBH</th>
<th>Conifers: Can Be Cut</th>
<th>Required Leave Trees</th>
<th>Hardwood: Can Cut All</th>
<th>Required Leave Trees</th>
<th>Conifer BA Cut</th>
<th>Conifer BA Leave</th>
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</tbody>
</table>

Totals 72.85 61.94

Option 1 Outer Zone Width: 50
Option 1 Outer Zone Acres: 0.34
Option 2
DFC Program Version

Landowner: SIERRA PACIFIC INDUSTRIES
Address: 14353 MCFARLAND RD, MT VERNON, WA 98273
Phone: 360 424 7619

Project Name: CRUMB CAKE
Stream Segment: D
Legal Desc: Section: 30 Township: 28 Range: 9 East

Inner Zone Floor: 50 to 104 feet, no harvesting allowed.
ClearCut Inner Zone : 104 to 134 feet, Need 5 Riparian leave trees in this area. Leave trees must be at least 12 inches at DBH.
Outer Zone: 134 to 200 feet, Need 10 Riparian leave trees in this area.

Option 2 Outer Zone Width: 66
Option 2 Outer Zone Acres: 0.45
Appendix A. Water Type Classification Worksheet
Western Washington

Stream/Segment ID: F1-4, 16
Date(s) Observed: 5/2/02

Stream/Segment ID: Np1
Date(s) Observed: 4/24/02, 9/11/11, 8/28/19

Stream/Segment ID: F7, 15
Date(s) Observed: 7/9/08

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

☐ No. Continue
☒ Yes. Attach documentation or approved WTMF number: NW-07-YY-0075

☒ Fish found.
Type F water. Stop.

☐ No fish. Continue to 6.
☐ Yes. Meets waiver criteria. Continue to 6.

☐ No. Continue
☒ Yes. Attach documentation or approved WTMF number: NW-07-YY-0073

☒ Fish found.
Type F water. Stop.

☐ No fish. Continue to 6.
☐ Yes. Meets waiver criteria. Continue to 6.

☐ No. Continue
☒ Yes. Attach documentation or approved WTMF number: NW-07-08-0168

☒ Fish found.
Type F water. Stop.

☐ No fish. Continue to 6.
☐ 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.

☐ 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.

☐ 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.

☐ 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.

☐ Yes. Type F water. Stop

☒ No. Continue.

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

☐ Yes. Type Nw water. Gu tu 9.

☑ No. Continue.

☐ Yes. Type Nw water. Gu tu 9.

☐ No. Continue.

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

☐ Yes. Type Np water. Go to 9

☑ No. Continue.

☐ 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.

☐ Yes. Type Ns water.

☐ No, non-typed water.

☐ Yes. Type Ns water.

☐ No, non-typed water.

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

Stream/Segment ID: ________

Stream/Segment ID: Np1

Stream/Segment ID: ________

Determined by field review
9/11/11 & 8/28/18

5-29-2020

2817453
Appendix A. Water Type Classification Worksheet

Western Washington

Stream/Segment ID: F5.6.14
Date(s) Observed: 8/28/19

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

- [x] No. Continue
- [ ] Yes. Attach documentation or approved WTMF number:

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

Stream/Segment ID: F8.9
Date(s) Observed: 8/28/19

- [x] No. Continue
- [ ] Yes. Attach documentation or approved WTMF number:

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

Stream/Segment ID: F10-13
Date(s) Observed: 3/2/00

- [ ] No. Continue
- [x] Yes. Attach documentation or approved WTMF number:
  NW-07-YY-0071

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

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

- [x] [ ] Yes. Type F water
  Stop
- [x] [ ] No. Continue.

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

- [x] Yes. Type F water. Stop.
- [ ] No. Continue.

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

- [x] Yes. Type F water. Stop.
- [ ] No. Continue.

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

- [x] Yes. Type F water. Stop.
- [ ] No. Continue.

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

- [x] [ ] Yes. Type Np water. Go to 9.
- [ ] No. Continue.

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

- [x] [ ] Yes. Type Np water. Go to 9.
- [ ] No. Continue.

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

- [x] [ ] Yes. Type Ns water.
- [ ] No, non-typed water.

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

Stream/Segment ID: _____________ Stream/Segment ID: _____________ Stream/Segment ID: _____________
Appendix A. Water Type Classification Worksheet

Western Washington

Stream/Segment ID: F1-4_16  Stream/Segment ID: Np1  Stream/Segment ID: F7_15
Date(s) Observed: 5/2/02  Date(s) Observed: 4/24/02, 9/11/11, 8/28/19  Date(s) Observed: 7/9/08

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

☐ No. Continue
☐ Yes. Attach documentation or approved WTMF number:
  NW-07-YY-0075
  Fish found. Type F water. Stop.
  ☒ No fish. Continue to 6.
  ☐ Yes. Meets waiver criteria. Continue to 6.

☐ No. Continue
☐ Yes. Attach documentation or approved WTMF number:
  NW-07-YY-0073
  Fish found. Type F water. Stop.
  ☐ No fish. Continue to 6.
  ☐ Yes. Meets waiver criteria. Continue to 6.

☐ No. Continue
☐ Yes. Attach documentation or approved WTMF number:
  NW-07-08-0168
  Fish found. Type F water. Stop.
  ☐ No fish. Continue to 6.
  ☐ 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.

☐ 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.

☐ 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.

☐ 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.

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

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

☐ Yes. Type Nw water. Gu tu 9.
☐ No. Continue.

☐ Yes. Type Nw water. Gu tu 9.
☐ No. Continue.

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

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

☐ 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.

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

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

Stream/Segment ID: ________  Stream/Segment ID: Np1  Stream/Segment ID: ________
Determined by field review
9/11/11 & 8/28/18
1. Does the proposal include harvesting, road construction, or aerial application of pesticides?
   - YES—2
   - NO—not Class IV-S

2. Are the forest practices consistent with one or more of the documents, agreements, or plans in WAC 222-16-080 (6) subsections (a) through (f)?
   - YES—not Class IV-S
   - NO—3

3. Are the forest practices within a SOSEA boundary (see maps in WAC 222-16-086)?
   - YES—5
   - NO—4

4. Are the forest practices proposed between March 1 and August 31 on the seventy acres of highest quality suitable spotted owl habitat surrounding a northern spotted owl site center?
   - YES—Class IV-S
   - NO—not Class IV-S
   - UNCERTAIN—Department consults with WDFW to delineate highest quality suitable habitat (confer WAC 222-16-085 (1) for definitions)

5. Are the forest practices proposed on the lands owned or controlled by a landowner whose forest land ownership within the SOSEA is less than or equal to 500 acres AND where the forest practice is not within 0.7 mile of a northern spotted owl site center?
   - YES—not Class IV-S
   - NO—6

6. Are the forest practices within a median home range circle that is centered within the SOSEA or on adjacent federal lands?
   - YES—7
   - NO—not Class IV-S

7. Have surveys demonstrating the absence of northern spotted owls at the northern spotted owl site center been reviewed and approved by the department of fish and wildlife AND have all three of the criteria in WAC 222-16-080 (6) (g) been met?
   - YES—not Class IV-S
   - NO—8

8. Are there 3 or more trees 20 inches dbh or larger and 16 feet or more in height per acre with various deformities such as large cavities, broken tops, dwarf mistletoe infections, and other indications of decadence?
   - YES—18
   - NO—9

9. Are there 3 or more snags 20 inches dbh or larger and 16 feet or more in height per acre?
   - YES—18
   - NO—10

Note 1: ‘not Class IV-S’ as used throughout this decision tree does not preclude Class IV-Special designation for reasons other than the presence of critical habitat (state) for Northern spotted owl and does not address whether disturbance avoidance measures for Northern spotted owl may apply.

Note 2: Proponent may have to submit detailed information and mapping to support this determination.

Note 3: Alternately, proceed to Question 8 to evaluate whether suitable habitat may be present. Note that if habitat is present (i.e., answer to Questions 16 and/or 19 is "yes") it will still be necessary to determine the seventy acres of highest quality suitable spotted owl habitat.
10. Are there 2 or more snags 20 inches dbh or larger and 16 feet or more in height per acre  
   YES—12  
   NO—11

11. Is greater than or equal to 10% of the ground covered with 4 inch diameter or larger  
    wood, with 25-60% shrub cover  
    YES—12  
    NO—not Class IV-S

12. Does the forest stand contain dominants/codominant trees greater than or equal to 85  
    feet high  
    YES—13  
    NO—not Class IV-S

13. Does the forest stand exhibit vertical diversity with 2 or more layers and 25 - 50%  
    intermediate trees  
    YES—16  
    NO—14

14. Does the forest stand contain 115-280 trees/acre greater than or equal to 4 inches dbh  
    YES—16  
    NO—15

15. Does the forest stand have a quadratic mean diameter of greater than 13 inches and a  
    basal area of greater than 100 ft² per acre  
    YES—16  
    NO—not Class IV-S

16. Is the forest stand conifer-dominated or conifer-hardwood (greater than or equal to 30%  
    conifer) AND greater than or equal to 70% canopy closure  
    YES—17  
    NO—not Class IV-S

17. Are there 3 or more snags 20 inches dbh or larger and 16 feet or more in height per acre  
    YES—Class IV-S (presence of sub-mature habitat)  
    NO—Class IV-S (presence of young forest marginal habitat)

18. Does the forest stand have canopy closure of 60% or more and a layered, multispecies  
    canopy where 50% or more of the canopy closure is provided by large overstory trees  
    (typically, there should be at least 75 trees greater than 20 inches dbh per acre, or at  
    least 35 trees 30 inches dbh or larger per acre)  
    YES—19  
    NO—10

19. Are there more than two fallen trees 20 inches dbh or greater per acre and other woody  
    debris on the ground  
    YES—Class IV-S (presence of old forest habitat)  
    NO—10
Revisions to FPA/N 2817453

<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/29/2020</td>
<td>Revision</td>
<td>Replaced maps, pg. 7 &amp; water type key</td>
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</table>
Linda,

Can you please replace the following pages in the FPA 2817453 ‘Crumb Cake’?

1. Crumb Cake FPA Map 1 of 2 (Changes: (a) Upgraded streams previously labeled Ns3 and Ns4 to Np status. Now both are named Np1 and part of that assessed system. (b) Map now shows a larger Np buffer for Np1 than was previously shown. (c) Fixed labeling error for FWetl-3 & FWetl-4)

2. Crumb Cake FPA Map 2 of 2 (Changes: Fixed labeling error for FWetl-2)

3. FPA Form Page 7 (Changes: Revised numbers for Np1 and Np3 to reflect changes described on map and address an error for Np3.)

4. FPA Water Type Classification Worksheets (Changes: Updated information related to Np1 and Ns11)

I apologize for the inconvenience and thank you.

Josh Misner
Forester, Burlington District
Sierra Pacific Industries
360-957-0465
Appendix A. Water Type Classification Worksheet

**Western Washington**

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<th>Stream/Segment ID: F5.6.14</th>
<th>Stream/Segment ID: F8.9</th>
<th>Stream/Segment ID: F10-13</th>
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<td>Date(s) Observed: 8/28/19</td>
<td>Date(s) Observed: 3/2/00</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th></th>
<th>No. Continue</th>
<th>Yes. Attach documentation or approved WTMF number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>No. Continue</th>
<th>Yes. Attach documentation or approved WTMF number:</th>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Fish found. Type F water. Stop.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. fish. Continue to 6.</td>
</tr>
<tr>
<td></td>
<td>Yes. Meets waiver criteria.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Yes. Type F water. Stop.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. Continue.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Yes. Type F water. Stop.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. Continue.</td>
</tr>
</tbody>
</table>

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%?

<table>
<thead>
<tr>
<th></th>
<th>Yes. Type F water. Stop.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. Continue.</td>
</tr>
</tbody>
</table>

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?

<table>
<thead>
<tr>
<th></th>
<th>Yes. Type F water. Stop.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>No. Continue.</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Yes. Type Np water. Go to 9.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. Continue.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Yes. Type Np water. Go to 9.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. Continue.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Yes. Type Ns water.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No, non-typed water.</td>
</tr>
</tbody>
</table>

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

Stream/Segment ID: ____________ Stream/Segment ID: ____________ Stream/Segment ID: ____________
Appendix A. Water Type Classification Worksheet

Western Washington

Stream/Segment ID: Np2.3
Date(s) Observed: 7/1/14, 3/16/20

Stream/Segment ID: Ns3.4,11
Date(s) Observed: 8/28/19

Stream/Segment ID: Ns1-2, Ns5-10
Date(s) Observed: 8/28/19

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

☐ No. Continue
☒ Yes. Attach documentation or approved WTMF number: NW-07-YY-0071
☐ No. Continue
☒ Yes. Attach documentation or approved WTMF number: NW-07-YY-0073

☐ Fish found. Type F water. Stop.
☒ No fish. Continue to 6.
☐ Fish found. Type F water. Stop.
☒ No fish. Continue to 6.

☐ 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.
☐ 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.
☐ 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.
☐ 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.
☐ 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.
☒ 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.
☐ 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.
☐ 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: Np2.3
Determined by field review 7/1/14 and 8/28/19.

Stream/Segment ID: Ns3.4,11
Determined by field review 8/28/19.

Stream/Segment ID: Ns1-2, Ns5-10
Determined by field review 7/1/14 and 8/28/19.

2817453
Appendix A. Water Type Classification Worksheet

Western Washington

Stream/Segment ID: Np2.3
Date(s) Observed: 7/1/14, 3/16/20

1. Did you determine fish use as described in the Forest Practices Board Manual Section 13? Or, does the stream have waiver characteristics? [See WAC 222-16-031(3)(b)(ii)]
   - Yes. Attach documentation or approved WTMF number: NW-07-YY-0071
   - No. Continue
   - Fish found.
   - Type F water. Stop.
   - No fish. Continue to 6.
   - Yes. Meets waiver criteria. Continue to 6.

Stream/Segment ID: Ns3.4,11
Date(s) Observed: 8/28/19

2. Were fish observed or are fish known to use the stream any time of the year?
   - Yes. Type F water. Stop.
   - No. Continue.
   - Fish found.
   - Type F water. Stop.
   - No fish. Continue to 6.
   - Yes. Meets waiver criteria. Continue to 6.

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

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

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

Stream/Segment ID: Ns1-2, Ns5-10
Date(s) Observed: 8/28/19

6. Does the stream segment contain water at all times during a normal rainfall year?
   - Yes. Type Np water. Go to 9.
   - No. Continue.
   - Fish found.
   - 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.
   - Fish found.
   - 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.
   - Fish found.
   - 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: Np2.3
     Determined by field review 7/1/14 and 8/28/19.
   - Stream/Segment ID: Ns3.4,11
     Determined by field review 8/28/19.
   - Stream/Segment ID: Ns1-2, Ns5-10
     Determined by field review 7/1/14 and 8/28/19.

5-29-2020
2817453
Forest Practices Application/Notification

Notice of Decision

FPA/N No: 2817453

Effective Date: 6/18/2020

Expiration Date: 6/18/2023

Shut Down Zone: 658

EARR Tax Credit: ☒ Eligible ☐ Non-eligible

Reference: Crumb Cake

Decision

☐ Notification Accepted Operations shall not begin before the effective date.

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

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

☐ Closed Applicant has withdrawn the 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

THIS OPERATION IS SUBJECT TO THESE CONDITIONS:

Wetland identified as forested wetland 1 will be treated as type F water and buffered with the required type F RMZ buffer.

FOR YOUR INFORMATION:

A WTM ID meeting will be held to determine the water type for the wetland. Applicant may amend the FPA should the IDT determine that the wetland is none fish. This would not be a significant change to the FPA.

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

Issued By: Steven Huang

Region: Northwest

Title: Skykomish Forest Practice Forester

Date: 6/18/2020

Copies to: ☒ Landowner, Timber Owner and Operator

Issued in person: ☐ Landowner ☐ Timber Owner ☐ Operator

By: _________________________
**Appeal Information**
You have thirty (30) days to file (i.e., actually deliver) an appeal in writing of this Decision and any related State Environmental Policy Act (SEPA) determinations to the Pollution Control Hearings Board, the Attorney General’s Office, and the Department of Natural Resources’ region office. See RCW 76.09.205. The appeal period starts when the applicant receives this decision, which usually happens electronically on the date indicated below.

You must file your appeal at all three addresses below:

<table>
<thead>
<tr>
<th>Pollution Control Hearings Board</th>
<th>Office of the Attorney General Natural Resources Division</th>
<th>Department Of Natural Resources Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Address</td>
<td>Physical Address</td>
<td>DNR Northwest Region</td>
</tr>
<tr>
<td>1111 Israel Road, SW Suite 301</td>
<td>1125 Washington Street, SE Olympic, WA 98504</td>
<td>919 N Township St Sedro-Woolley WA 98284</td>
</tr>
<tr>
<td>Mailing address Post Office Box 40903 Olympia, WA 98504-0903</td>
<td>Mailing Address Post Office Box 40100 Olympia, WA 98504-0100</td>
<td></td>
</tr>
</tbody>
</table>

Information regarding the Pollution Control Hearings Board can be found at: [http://www.eluho.wa.gov/](http://www.eluho.wa.gov/)

**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](http://www.dnr.wa.gov/businesspermits/forestpractices). Notify DNR of new Operators within 48 hours.

**Continuing Forestland 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 forestland 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 and 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 forestland obligation, the seller must pay the buyer’s costs related to continuing forestland obligations, including all legal costs and reasonable attorneys’ fees incurred by the buyer in enforcing the continuing forestland obligation against the seller.

Failure by the seller to send the required notice to 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 forestland obligation prior to sale.

**DNR affidavit of mailing:**

On this day 6/19/2020, I placed in the United States mail at Sedro-Woolley, WA, postage paid, a true and accurate copy of this document. Notice of Decision FPA #2817453

_________________________  _________________________
B Hamilton  (Signature)

(Printed Name)
<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/25/2020</td>
<td>Transfer Form</td>
<td>Change of Operator</td>
</tr>
</tbody>
</table>


Forest Practices Application/Notification
NOTICE OF TRANSFER

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

FPA/N Number: 2817453 'Crumb Cake'  Section(s): 18, 19, 30  Township: 28N  Range: 09E

Original Landowner (Signature):

Original Landowner (Printed): Sierra Pacific Land & Timber Co.

New Operator – Complete this section only if you are:

☒ Changing an operator for:  ☑ Adding an operator for:  ☐ Road construction  ☑ Road construction  ☐ Timber harvest  ☐ Aerial spray  ☐ Timber harvest  ☐ Aerial spray

Legal Name of New Operator: (Print)  ALRT Corporation, Inc.

Phone: 860-572-5700

Email:

New Operator Signature: 6/17/20

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

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

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

Legal Name of New Landowner: (Print)

Mailing Address:

4040 Mount Baker Highway
Everson, WA 98244

Phone:

Email:

New Landowner Signature:

Date:

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

Legal Name of Timber Owner: (Print)

Mailing Address:

Phone:

Email:

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

New Timber Owner Signature:

Date:

☑️ Received by: 11/01/2017

(DNR Forest Practices Staff Signature)