



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**

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

FPAN #: 2814382  
 Received Date: 12-19-14  
 WDFW Concurrence Due Date: —  
 WDFW Concurrence Review Completed: —  
 Comments Due Date: 1-2-15  
 Decision Due Date: 1-18-15  
 FP Forester: SKY30  
 Shutdown Zone: 658  
 RMAP #: R2800010L

FPAN CLASSIFICATION: [ ] II  III [ ] IVG [ ] IVS RMAP Exempt: [ ] 80/20 [ ] No Forest Roads [ ] Ag [ ] LLO  
 Landowner Name: DNR Project Name: Moonbeam  
 WRIA: Snohomish WAU: Upper Wallace River  
 WRIA: \_\_\_\_\_ WAU: \_\_\_\_\_  
 Legal Description: pts 21, 28-28-9E  
 Activity Type: Harvest 128.9 ac Spray \_\_\_\_\_ ac Stream Crossing(s) \_\_\_\_\_  
 Road Construction 9339 ft Road Abandonment 463 ft Rock Pit .5 ac

**ALTERNATIVE PRESCRIPTIONS**  
 Alternate Plan  Habitat Conservation Plan  
 Ten-Year Forest Management Plan  Landowner Option Plan for Northern Spotted Owl  
 Columbia River Gorge National Scenic Area  Cooperative Habitat Enhancement Agreement  
 Watershed Analysis: \_\_\_\_\_

**RESOURCE REVIEW**

<input checked="" type="checkbox"/> Unstable Slopes (Risk: Highway, Water; _____)	<input type="checkbox"/> Bull Trout Overlay
<input checked="" type="checkbox"/> Soils Map (Highly Erodible & Very Unstable)	<input type="checkbox"/> HCP Bull Trout Population
<input checked="" type="checkbox"/> SLPSTAB	<input type="checkbox"/> Bald Eagle nest or roost within 660 feet
<input type="checkbox"/> Landslide Hazard Zonation	<input type="checkbox"/> Group A or B Water Supply (TRAX code DM or MU)
<input type="checkbox"/> Landslide Polygon	<input type="checkbox"/> Hatchery (TRAX code S)(Name: _____)
<input checked="" type="checkbox"/> Rain-on-Snow and Outside Approved WA	<input type="checkbox"/> Even-Aged Harvest greater than 120 Acres
<input type="checkbox"/> Hydric Soils	<input type="checkbox"/> Ground-based Equipment on Slopes greater than 40%
<input type="checkbox"/> Wetland [ ] Forested, [ ] A, [ ] B	<input type="checkbox"/> Road Construction on Slopes greater than 65%
<input type="checkbox"/> In WMZ of [ ] A, or [ ] B Wetland	<input type="checkbox"/> Saltwater Islands (Name: _____)
<input checked="" type="checkbox"/> In RMZ/ELZ of Type [ ] S, <input checked="" type="checkbox"/> F, [ ] N water	
<input checked="" type="checkbox"/> Water Verification	

**ASSOCIATED NON-SCANNED DOCUMENTS** – On file with the FPAN at the region office.  
 SEPA Checklist/Documents  Large Landowner Road Maintenance and Abandonment Plan

**ASSOCIATED SCANNED DOCUMENTS**

<input type="checkbox"/> Conversion Option Harvest Plan	<input type="checkbox"/> Hardwood Conversion Form
<input type="checkbox"/> FPHP Plans & Specifications	<input type="checkbox"/> Wetland Mitigation Plan
<input type="checkbox"/> Qualified Expert Report	<input type="checkbox"/> Water Protocol Surveys [ ] Modification
<input type="checkbox"/> Natural Regeneration Plan	Form# _____
<input type="checkbox"/> Shoreline Permit	<input type="checkbox"/> Water Classification Worksheet
<input type="checkbox"/> Marbled Murrelet Form	<input type="checkbox"/> Shade Documentation (Stream Shade Assessment Worksheet)
<input type="checkbox"/> FPBM Appendix(s) _____	<input type="checkbox"/> Watershed Analysis Worksheet
<input type="checkbox"/> Small Landowner RMAP Checklist	<input type="checkbox"/> DFC Printout
<input type="checkbox"/> CMZ Assessment Form	<input checked="" type="checkbox"/> Slope Stability Informational Form

EARR Tax Credit  Yes [ ] No Form completed by LU  
**ADDITIONAL COMMENTS:**



For DNR Region Office Use Only	
FPA/N #:	2814382
Region:	NW
Received Date:	12-19-2014

**Forest Practices Application/Notification  
Western Washington**

MOONBEAM VDT & VRH  
#89646

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

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

Legal Name of LANDOWNER	Legal Name of TIMBER OWNER (if different than Landowner)	Legal Name of OPERATOR (if different than Landowner)
Department of Natural Resources	Same as Landowner	Same as Landowner
Mailing Address: 919 N. Township St.	Mailing Address:	Mailing Address:
City, State, Zip Sedro-Woolley, WA 98284	City, State, Zip	City, State, Zip
Phone ( 360 ) 856-3500	Phone ( )	Phone ( )
Email:	Email:	Email:

**2. Contact Person**

Contact Person: Laurie Bergvall	Phone ( 360 ) 856-3500 Email: laurie.bergvall@dnr.wa.gov
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**NOTE:** You are required to verify Type Np, and Ns water types within 200 feet of your proposed forest practices activities prior to submitting a Forest Practices Application / Notification. Use the Additional Information section, additional pages, the Water Type Classification Worksheet, and/or a Water Type Modification form to explain how you verified water types. See Water Typing Requirements in the instructions.

**RECEIVED NW REGION**

**3. Landownership information: See instructions**

a.  No  Yes Are you a small forest landowner per RCW 76.09.450?  
If Yes, go to b.

DEC 19 2014

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

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

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

**5. Are you substituting prescriptions from an approved state or federal conservation agreement or watershed analysis?**

No  Yes Write "HCP" or "Using Prescriptions" in tables that apply. Attach or reference on file prescriptions and/or crosswalks. HCP, See Attached

6. What is the legal description of your forest practice?

Section	Township	Range	E/W	Tax Parcel Number	County
28	28N	9	E	-----	Snohomish
21	28N	9	E	-----	Snohomish
				-----	
				-----	
				-----	
				-----	

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

8. Is the taxpayer eligible for the EARR Tax Credit?

No  Yes

9. Have you reviewed this forest practices activity area to determine whether it may involve historic sites and/or Native American cultural resources? Read the instructions before answering this question.

No  Yes See FPA Narrative

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

a.  No  Yes List the RMAP number: R2800010L

If no, go to b.

b.  No  Yes Is a Checklist RMAP required? (see instructions)

11. Are there potentially unstable slopes or landforms within the boundaries of your forest practices activity area?

No  Yes – attach geotechnical report and "Slope Stability Informational Form." If applicable, attach the SEPA checklist, HCP or Watershed Analysis prescriptions.

12. Are there potentially unstable slopes or landforms adjacent to your forest practices activity area?

No  Yes – complete and attach the "Slope Stability Informational Form." If applicable, attach geotechnical report, HCP or Watershed Analysis prescriptions.

13. Is this forest practice application/notification: (Answer every question)

a.  No  Yes Within city limits or inside an urban growth area?  
(IF YES SEE INSTRUCTIONS FOR ADDITIONAL REQUIRED DOCUMENTS.)

b.  No  Yes For road work that is included in an approved Road Maintenance and Abandonment Plan (RMAP)?

c.  No  Yes Within a public park? If Yes, include SEPA Environmental Checklist or SEPA Determination - except for harvesting/salvaging less than 5,000 board feet within a developed public park.

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

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

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

- g.  No  Yes A request for a multi-year permit? If yes, length requested:  4 years or  5 years. Not everyone qualifies for a multi-year permit. See instructions for details.
- h.  No  Yes An Alternate Plan? If yes, include a copy.
- i.  No  Yes Within 50 miles of saltwater and do you own more than 500 acres of forest land in Washington State? If Yes - include the "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 the "CMZ Assessment Form." Attach/reference applicable HCP and/or Watershed Analysis prescriptions.

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

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

**14. Are you proposing any of the following projects NOT permitted by current HPAs from WDFW?**

- a.  No  Yes Installing, replacing or repairing a culvert at or below the bankfull width of Type S or F Water(s) that exceeds a five percent gradient?
- b.  No  Yes Constructing, replacing, or repairing a bridge at or below the bankfull width of unconfined streams in Type S or F water(s)?
- c.  No  Yes Placing fill material within the 100-year flood level of unconfined streams in Type S or F water(s)?

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

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

Crossing Identifier (letter and/or number)	Water Type (S, F, Np, Ns)	*Existing HPA Number (if applicable)	HPA Expiration Date (if applicable)	Planned Activity (install, replace, remove, temporary, structure maintenance)	Structure (culvert, bridge, ford**, punchon, arch, other)	Proposed Size (dimensions of structure)	Culvert Design Method (No-slope, Stream-sim, Hydraulic, Other (F and S only)	Channel Bed Width (ft) (F and S only)	Stream Gradient (%) (F and S only)	RMAP Project (Y or N)	FFPP Project (Y or N)

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

\*\* Fords and equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain endangered or threatened fish species. For more information, see "Background for the state's Incidental Take Permits for certain endangered and threatened fish species" following number 24 of the FPA/N Instructions.

17. If conducting any of the following activities in or over typed water, complete the table below. Some activities will require identifiers on your Activity map and/or more information in number 31, Additional Information. See instructions.

*Activity	Type S Water	Type F Water	Type Np Water	Type Ns Water
Equipment Crossing**				
Suspending Cables		X	X	X
Cable Yarding			X	X
LWD Placement/Removal		X	X	X
Beaver Dam Removal				
Felling and Bucking			X	X
Other (describe in number 31)				

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

\*\* Fords and equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain endangered or threatened fish species. For more information, see "Background for the state's Incidental Take Permits for certain endangered and threatened fish species" following number 24 of the FPA/N Instructions.

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

Road Identifier (name, number)	Road Construction		Road Abandonment	
	Length (feet)	Steepest Side-slope (%)	Length (feet)	Abandonment Date
WF-87 Recon.	8,876	70		
WF-8716 Const.	265	20	265	04/2018
WF-8717 Const.	198	20	198	04/2018
Total Const.	463	20	463	04/2018

19. If depositing spoils and/or expanding or developing a rock pit for forestry use, complete the table below. Show locations and identifiers on your Activity Map.

Spoil Area Identifier (letter, number)	Amount of Spoils Deposited (cubic yards)	Rock Pit Identifier (name, number or letter)	Acres of New Rock Pit Developed	Acres of Existing Rock Pit Expanded
	2000	WF-86		0.5

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

Wetland Identifier (number, letter)	Wetland Type (A, B, or Forested)	Planned Activities in Wetland	Planned Activities in Maximum Width WMZ	Total Wetland Area (acres)	How many acres are you draining?	How many acres are you filling?

\*\*\*\*\* **If not harvesting or salvaging timber, skip to number 29** \*\*\*\*\*

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

Unit Number	Harvest Type (Even-aged, Uneven-aged, Salvage, Right-of-Way)	Biomass Harvest (Y/N)	Harvest Method (Rubber Tired Skidder, Tracked Skidder, Dozer, Shovel, Full Suspension Cable, Lead-end Suspension Cable, Helicopter, Animal, Chipper-forwarder, Slash Bundler)	Acres to be Harvested	Volume to be Harvested (mbf)	Volume to be Harvested (biomass tonnage)	Volume to be Harvested (%)	Steepest Slope in Harvest Unit (%)
1	Even-aged	N	Ground-based/Cable	4.8	88	---	95	10
2	Uneven-aged*	N	Ground-based/Cable	87.2	893	---	30	90
3	Even-aged	N	Ground-based/Cable	36.4	1713	---	95	90
4	Even-aged	N	Ground-based/Cable	0.5	13	---	100	35
TOTAL				128.9	2707			90

\*Includes approximately 5.6 acres ROW.

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

Planting. Tree Species: Douglas-fir, western redcedar Unit 1 and 3

Natural. Include a Natural Regeneration Plan

Not required because of one or more of the following: Unit 2

I am converting some or all of this land to non-forest land in the next 3 years or lands are exempted under WAC 222-34-050.

Individual dead, dying, down, or wind-thrown trees will be salvaged.

Trees are removed under a thinning program reasonably expected to maximize the long-term productivity of commercial timber.

I am leaving at least 100 vigorous, undamaged, and well-distributed saplings or merchantable trees per acre.

An average of 190 tree seedlings per acre are established on the harvest area and my harvest will not damage it.

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

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

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

No If no, continue to number 27.

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

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

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

- Between June 5, 2006 and today's date I have always owned less than 80 acres of forestland in Washington.
- Between June 5, 2006 and today's date this parcel has always been 20 acres or less of contiguous ownership.
- Between June 5, 2006 and today's date this parcel has always been owned by me or someone else that has owned less than 80 acres of forestland in Washington.

b. ONE OR MORE of the following apply to me and/or my land (check all that apply):

- I currently own more than 80 acres of forestland in Washington.
- Between June 5, 2006 and today's date I have owned more than 80 acres of forestland in Washington.
- Between June 5, 2006 and today's date this parcel has been more than 20 acres of contiguous ownership.
- 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.

25. If harvesting within 115 feet of a Type S or F water on an exempt 20-acre parcel, complete the table below. Show RMZs and stream segment identifiers on your Activity Map. (Include stream shade assessment methodology if you are harvesting within 75 feet, or the maximum RMZ, whichever is LESS. If using BM1 to evaluate shade, you may use the "Stream Shade Assessment Worksheet").

Stream Segment Identifier (letter)	Water Type (S, F)	Segment Length (feet)	Bankfull Width (feet)	Maximum RMZ Width (feet)	Are you harvesting within the maximum RMZ? (Y or N)

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

- No Continue to number 29.
- Yes See instructions and describe leave tree strategy in number 31. Then continue to number 29.

27. If harvesting within 200 feet of any of Type S or F waters, complete the table below. Include DFC for all inner zone harvests unless you have an HCP prescription. Show RMZs, CMZs, and stream segment identifiers on your Activity Map. (Include stream shade assessment methodology if you are harvesting within 75 feet of S or F waters. If using BM1 to evaluate shade, you may use the "Stream Shade Assessment Worksheet").

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

28. If harvesting within 50 feet of Type Np water, complete the table(s) below. Show RMZs and stream segment identifiers on your Activity Map.

Stream Segment Identifier (letter)	Total Stream Length in Harvest Unit (feet)	Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)	Stream Segment Identifier (letter)	Total Stream Length in Harvest Unit (feet)	Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)

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

Harvest Boundaries: White timber sale boundary tags, blue special management tags, existing roads  
 Clumped Wildlife Reserve Trees/Green Recruitment Trees: Yellow leave tree area tags, blue paint  
 Right-of-way limits/road centerlines: Orange "Right of Way Boundary" tags  
 Stream Crossing Work: \_\_\_\_\_  
 Riparian Management Zone Boundaries and Leave/Take Trees: White timber sale boundary tags  
 Channel Migration Zone: \_\_\_\_\_  
 Wetland Management Zone Boundaries and Leave/Take Trees: \_\_\_\_\_

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

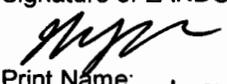
No  Yes If yes, include your SEPA Determination and/or SEPA checklist.

**31. Additional Information (attach additional pages if necessary):**

For hydraulic projects in or over S or F water(s) see instructions for required plan information.

**32. We acknowledge the following:**

- The information on this application/notification is true.
- We understand this proposed forest practice is subject to:
  - The Forest Practices Act and Rules AND
  - All other federal, state or local regulations.
- Compliance with the Forest Practices Act and Rules does not ensure compliance with the Endangered Species Act or other federal, state or local laws.
- If we said that we would not convert the land to non-forestry use, the county or city may deny development permits on this parcel for the next 6 years.
- The following may result in an unauthorized incidental take of certain endangered or threatened fish species:
  - Conversion of land to non-forestry use.
  - Harvesting within the maximum RMZ on a 20-acre exempt parcel that was acquired after June 5, 2006.
  - Equipment Crossings/Fords in or over Type S and F Waters.

Signature of LANDOWNER 	Signature of TIMBER OWNER* (If different than landowner)	Signature of OPERATOR (If different than landowner)
Print Name: Mark I Arnesen	Print Name:	Print Name:
Date: 12/17/14	Date:	Date:

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

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

### FPA Narrative

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

#### Question #9

DAHP has stated there are no conflicts with any known archeological or historical resources. Tulalip, Snohomish and Swinomish tribes were also contacted and no responses yet received.

#### Question #17:

Further information relating to question 17:

In order to achieve adequate deflection, cables may be suspended over type 3, 4 and 5 streams. Cable yarding over type 4 and 5 streams will require full suspension. Trees felled within 25 feet of type 4 streams must be left within cable corridors. Yarding across type 4 and 5 stream channels will be as close to perpendicular as possible. If full suspension is not possible over type 5 streams, log cribbing will be utilized. Five (5) trees per acre of thinned RMZ within 50 feet of the type 3 stream will be felled for large woody debris (LWD) creation. LWD creation trees range from 15 to 25 inches DBH and heights range from 80 to 150 feet.

#### Question #18:

Any roads to be built then abandoned (also know as temporary road) that are listed in the table for Question #10, are "optional construction roads". Of the length listed in the table, zero feet up to the entire length listed may be built. For further information please see the road plan associated with the timber sale, on file at the Northwest Region Office.

#### Question #19:

Additional pit(s) may be developed/used along haul route or constructed roads. These will be less than 0.5 acre, and located outside RMZ's or sensitive areas.

#### Question #21:

Ground-based equipment operations will be limited to sustained slopes of 35% or less.

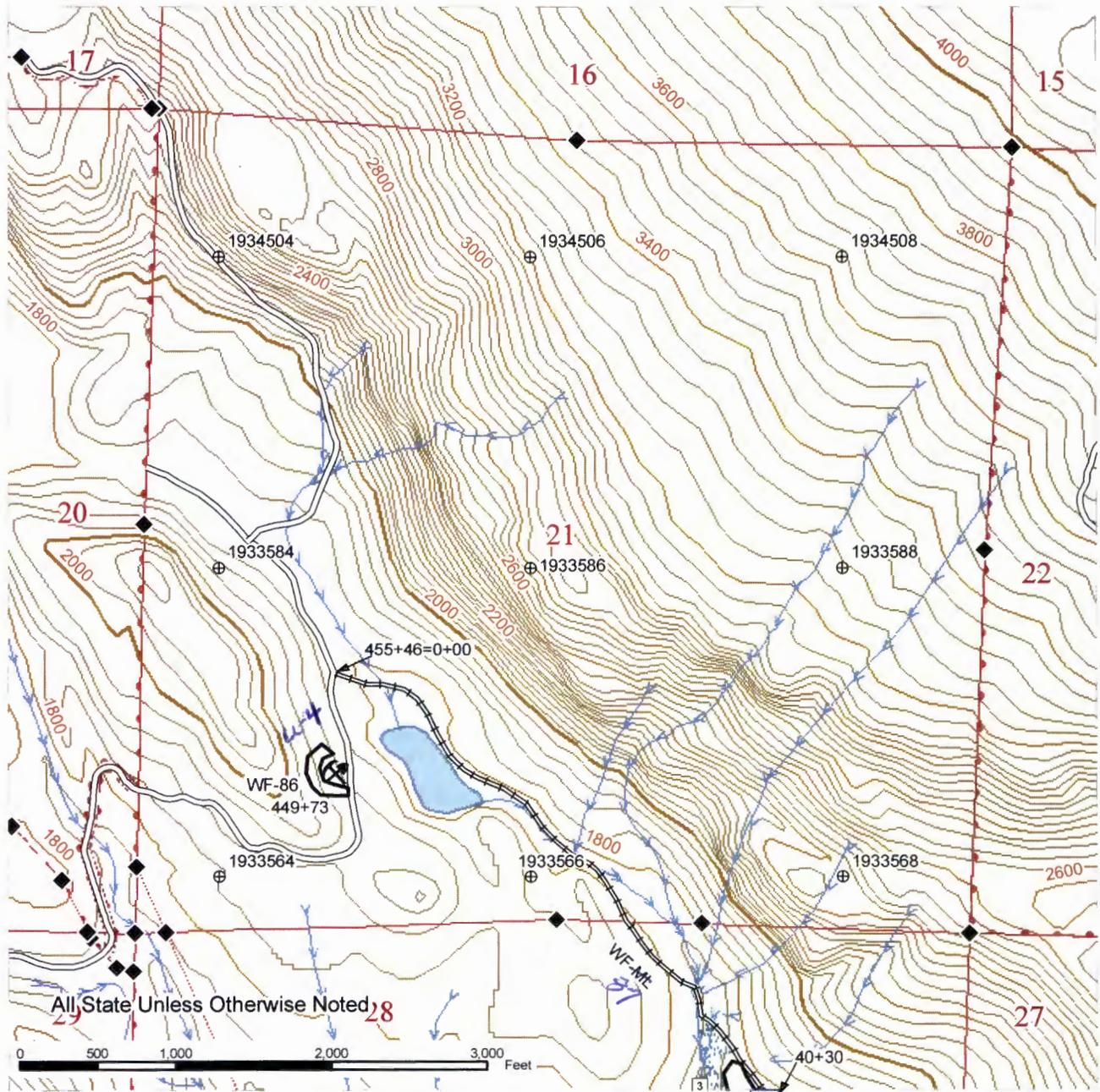
#### Question #31:

Activity Map - Leave Tree locations depicted are approximate. Leave trees may be exchanged or traded to locations other than mapped on the Activity Maps to facilitate operational feasibility.

# FOREST PRACTICES ACTIVITY MAP

SALE NAME: Moonbeam VDT and VRH  
 APPLICATION #:

COUNTY(S): Snohomish  
 TOWNSHIP(S): T28N R9E



Timber Sale Unit	Existing Roads	Tics - 2000' Interval
RMZ	Required Reconstruction	Public Land Survey Townships
Leave Tree Clump	Temporary Construction	Public Land Survey Sections
Riparian Mgt Zone	Streams	DNR Managed Lands
Open Water	Stream Type	Existing Rock Pit
1946 Stand Origin Date	Stream Type Break	Monument Corners
	Waste Area	Stream Identifier

Prepared By: glew490

Creation Date: 7/23/2014

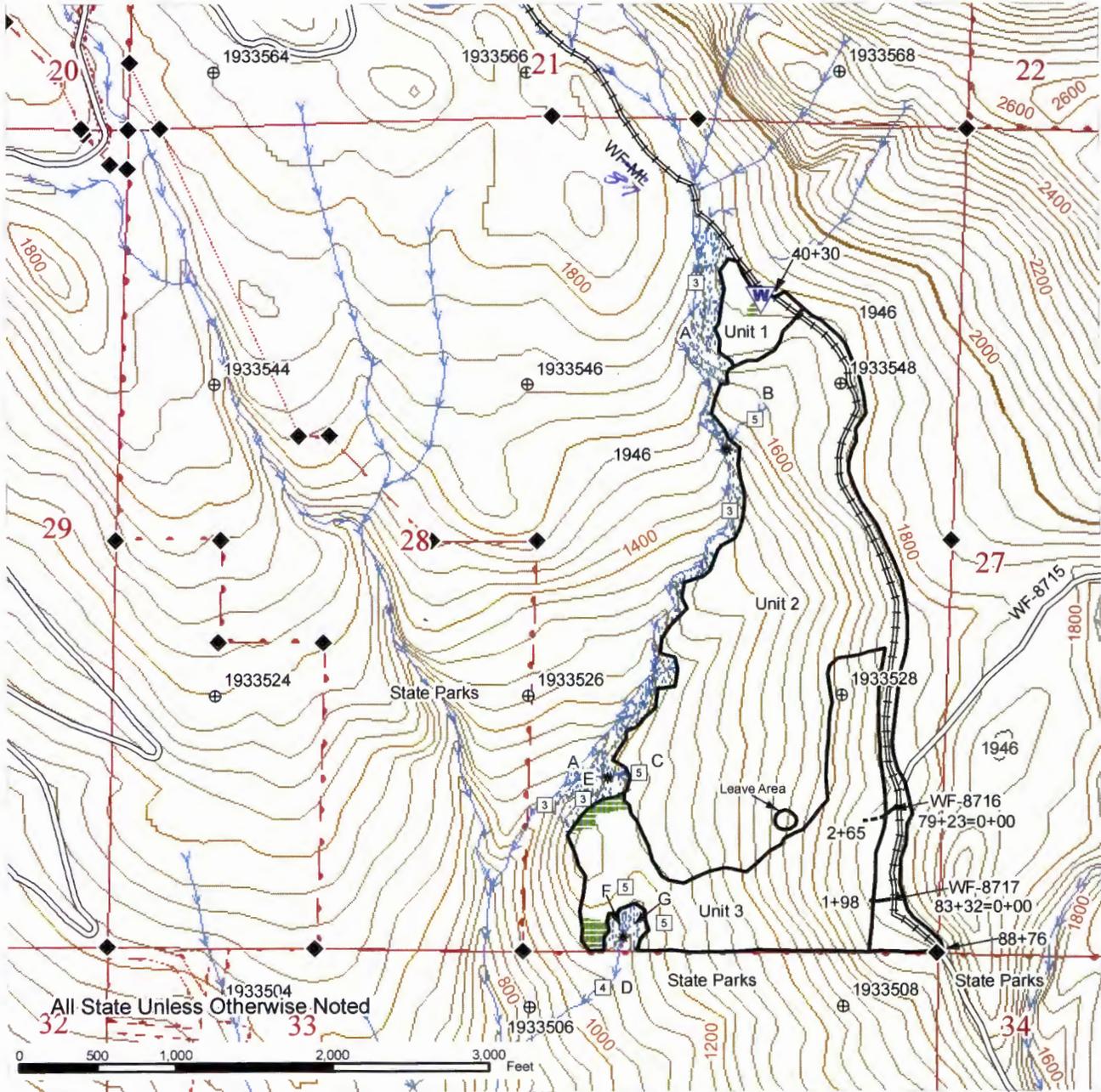
Modification Date: 10/23/2014

142814383

# FOREST PRACTICES ACTIVITY MAP

SALE NAME: Moonbeam VDT and VRH  
 APPLICATION #:

COUNTY(S): Snohomish  
 TOWNSHIP(S): T28N R9E



Timber Sale Unit	Existing Roads	Tics - 2000' Interval
RMZ	Required Reconstruction	Public Land Survey Townships
Leave Tree Clump	Temporary Construction	Public Land Survey Sections
Riparian Mgt Zone	Streams	DNR Managed Lands
Open Water	Stream Type	Existing Rock Pit
1946 Stand Origin Date	Stream Type Break	Monument Corners
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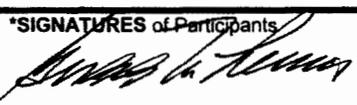
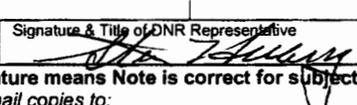
Prepared By: glew490

Creation Date: 7/23/2014

Modification Date: 10/30/2014

1 4 3 8 3



ICN No. 135388	Legal Subdivision E 1/2	Section 28	TWP 28	RGE E/W 9E	Application / Notification #	Class
Landowner WADNR NW - Gregg Lewis		Timber Owner same as landowner			Operator same as landowner	
Mailing Address 919 N Township St		Mailing Address			Mailing Address	
City, State (Province), Zip (Postal Code) Sedro Woolley, 98284		City, State (Province), Zip (Postal Code)			City, State (Province), Zip (Postal Code)	
Meeting Location on site		Telephone Conference <input type="checkbox"/>	Date Oct. 27, 2014	Time 0900	Region NW	
<b>Subjects Discussed:</b>						
<p>Landowner representative requested a pre-application review for the proposed 3 unit "Moon Beam Timber Sale" located in section 28, T28NR9E. The proposed harvest units are adjacent to Wallace Falls State Park. The proposal is a VDT Unit 2 at approximately 82 acres. And VRH harvest for units 1 and 3, totaling approximately 44 acres.</p> <p>Sale units are set up for mostly cable logging. All three units are contiguous with a type F stream along the western boundary. An existing road bounds the east boundary. Wallace Falls State Park is along the southern border of unit 3. The stream is buffered with a site index buffer. Cable tailholds across the type F stream may be required, so the proposed timber harvest will need a FPHP.</p> <p>An earlier site visit was conducted by the landowner representative with Brett Shattuck - Tulalip Tribes, and Jamie Bails - DFW.</p> <p>There were no specific resource issues within the proposed harvest units. Required buffers were buffered according to site index buffer as required in the HCP. Site index buffers distances were not measured during preapp review. Areas of steeper slopes was bounded outside of the proposed harvest unit by the statelands geologist and presale forester.</p>						
<b>Decisions Made:</b>						
<p>The harvest units as laid out appears to meet Forest Practice (and HCP) requirements. A FPHP will be required for this proposal.</p>						
PRINT Participants' Names  Gregg Lewis		*SIGNATURES of Participants 		Representing  landowner		Copies Mailed  <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Position No. 2925	Signature & Title of DNR Representative 			Date Oct. 29, 2014	Work Phone (360)8563500	
<p>*(Participant signature means Note is correct for subjects discussed and decisions made at the meeting.) Did not attend - mail copies to: <input type="checkbox"/> Timber Owner   <input type="checkbox"/> Landowner   <input type="checkbox"/> Others:</p>						

## Lewis, Gregg (DNR)

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**From:** Bails, Jamie L (DFW)  
**Sent:** Monday, October 27, 2014 10:02 AM  
**To:** Lewis, Gregg (DNR)  
**Cc:** Schmal, Justin (DNR); HUANG, STEVEN (DNR); Brett Shattuck (bshattuck@tulaliptribes-nsn.gov)  
**Subject:** RE: Moonbeam Pre\_app Followup

Hi Gregg, I concur that cables may be suspended across the type 3 stream that we visited near Wallace Park. Sincerely,  
Jamie

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**From:** Lewis, Gregg (DNR)  
**Sent:** Tuesday, October 21, 2014 5:29 PM  
**To:** Bails, Jamie L (DFW)  
**Cc:** Schmal, Justin (DNR); HUANG, STEVEN (DNR)  
**Subject:** Moonbeam Pre\_app Followup

Hi Jamie,

Thank you for attending our pre-app review for Moonbeam Sale. As you know, our FPA will require concurrence from WDFW for suspending cables across the type 3 stream that we visited. I have attached an example of HPA provisions that were typically required for suspending cables across T-3 streams. All provisions except for #6 would be applicable to the Moonbeam Timber Sale. Thinning will occur in the RMZ and portions of the RMZ would require corridors in order to facilitate yarding. As mentioned during our field visit no thinning will occur beyond the white timber sale tags that parallel the stream.

A response would be appreciated confirming your approval/revisions of these provisions.

Thank you,

Gregg Lewis  
Pre-Sales Forester  
Washington Department of Natural Resources

## Slope Stability Informational Form Forest Practices Application/Notification

**Note:** Complete and attach this form to your FPA if you answered "Yes" to FPA question 11 or 12. "Potentially unstable slopes or landforms" are defined in WAC 222-16-050(1)(d). See Board Manual Section 16 part 2.1 for descriptions of potentially unstable slopes.

1. What screening tools were used?  GIS,  Aerial Photo,  LiDAR,  Other (describe): \_\_\_\_\_

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2. What potentially unstable slopes were identified within the boundaries of your forest practices activity area? Check all that apply:

Inner Gorge                       Groundwater recharge areas for glacial deep-seated landslides  
 Bedrock Hollow                 Convergent Headwall         Toe of deep-seated landslide  
 Outer edges of meander bends     Other (describe): \_\_\_\_\_

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3. What potentially unstable slopes were identified adjacent to your forest practices activity area? Check all that apply:

Inner Gorge                       Groundwater recharge areas for glacial deep-seated landslides  
 Bedrock Hollow                 Convergent Headwall         Toe of deep-seated landslide  
 Outer edges of meander bends     Other (describe): \_\_\_\_\_

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4. Date of field review: November 2013

5. Person(s) that conducted field review:

	Gregg Lewis	Natural Resources Specialist
	Name	Title/position
	John Mckenzie	State Geologist
	Name	Title/position

6. If any features identified in #2 and /or #3 were bounded out, describe the manner in which the boundary was determined: Inner gorges were tagged outside the sale at the slope break with the assistance of the State Geologist Justin Schmal also attended this field review.

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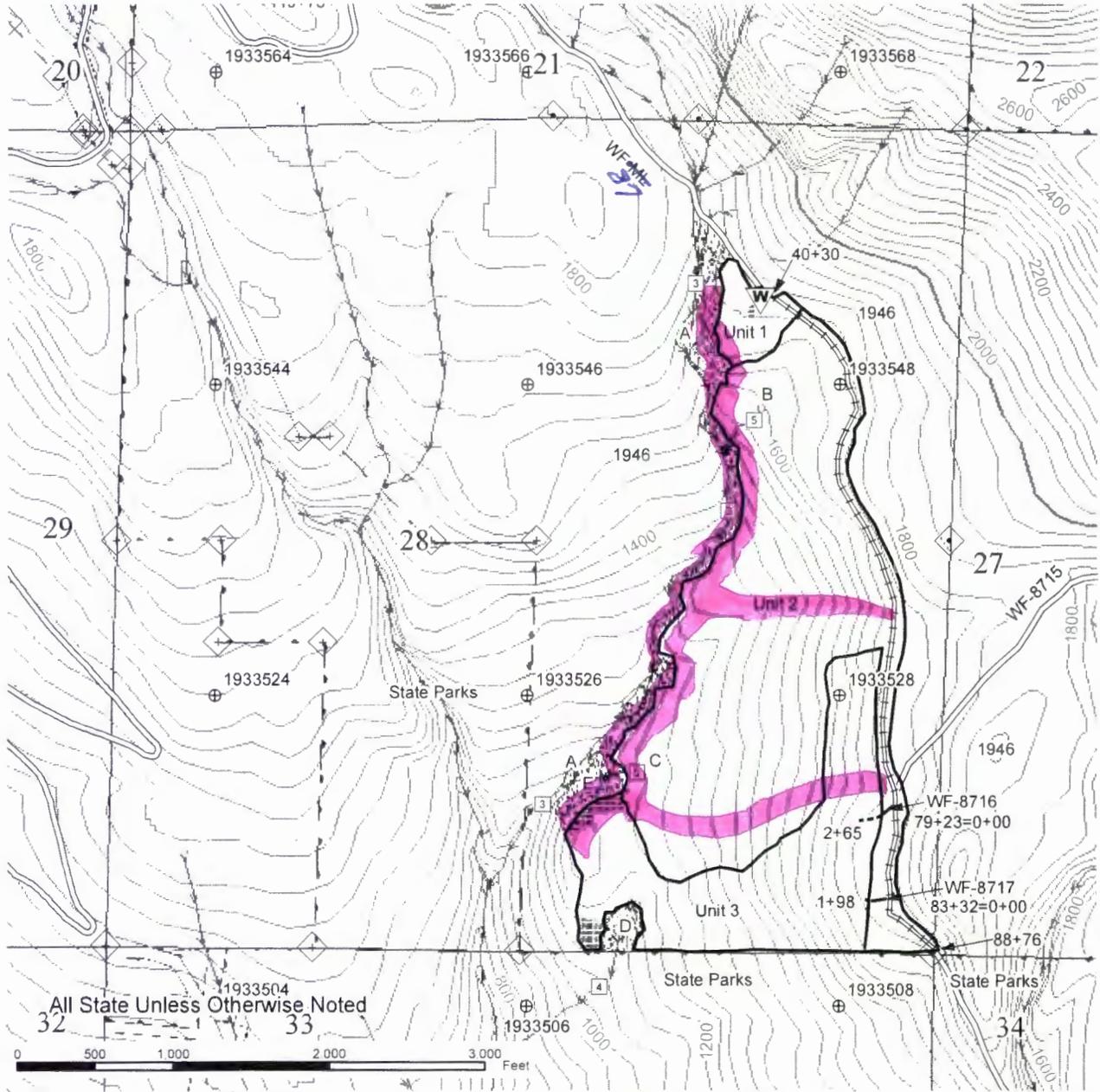
7. Show all field reviewed areas for potentially unstable slopes or landforms on a map (may use a forest practices activity map, harvest map or GIS map – See map example on page 35). **This map is intended to be developed by the field practitioner.**

# FOREST PRACTICES ACTIVITY MAP

SALE NAME: Moonbeam VDT and VRH  
 APPLICATION #:

COUNTY(S): Snohomish  
 TOWNSHIP(S): T28N R9E

**AREA REVIEWED BY GEOLOGIST**



Timber Sale Unit	Existing Roads	Tics - 2000' Interval
RMZ	Required Reconstruction	Public Land Survey Townships
LeaveTree Clump	Temporary Construction	Public Land Survey Sections
Riparian Mgt Zone	Streams	DNR Managed Lands
Open Water	Stream Type	Existing Rock Pit
1946 Stand Origin Date	Stream Type Break	Monument Corners
	Waste Area	Stream Identifier

Prepared By: glew490

Creation Date: 7/23/2014

Modification Date: 10/22/2014

**Forest Practices Application/Notification Addendum  
DNR Proprietary HCP, WAC Replacement Summary for Aquatic Resources, 2008  
Five West-side Planning Units, Excluding the OESF**

Please refer to the DNR Proprietary HCP Substitution Agreement for Aquatic Resources, 2008. Please check all HCP prescriptions and/or activities, which are relevant to this proposal and describe the management prescriptions and final stand composition at the end of this checklist.

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

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

1. SUB-BASIN NAME	2. TOTAL ROS ACRES (DNR) WITHIN SUB-BASIN	3. HYDRO MATURE TARGET ACRES (2/3 of Column 2)	4. CURRENT DNR SUB-BASIN ACRES IN HYDRO MATURE FOREST IN ROS	5. ACRES OF HYDRO MATURE FOREST TO BE REMOVED	6. SUPRPLUS (+) OR DEFICIT (-) ACRES AFTER ACTIVITY
Upper Wallace River					
Sub-basin 1	3212	2141	1313	66.5	+424.5

- Wetlands Protection, road construction within wetlands or wetland buffers, requires mitigation. (Refer to item B in the Agreement Memo). If this activity will include road construction within a wetland or WMZ, describe the type of wetland, potential loss of wetland function and how and where the loss of function will be mitigated.
- Harvesting within Forested Wetlands. (Refer to items C & E in the Agreement Memo). Describe the remaining stand characteristics within the wetland and map any forested wetlands greater than 3 acres.
- Wetland Management Zones. (Refer to item D in the Agreement Memo). Describe the site index and WMZ width. If harvesting within the WMZ, describe the remaining stand characteristics within the WMZ.
- Riparian Management Zones for Type 1, 2 and 3 Waters (Refer to item F and Appendix 1 in the Agreement Memo). Describe the site index, RMZ width and if a wind buffer was applied. Describe if the RMZ begins from the outer edge of a CMZ or 100-year floodplain and how they were typed.
- Riparian Management Zones for Type 4 and 5 Waters (Refer to item G and Appendix 1 in the Agreement Memo). Describe any special protection for Type 5 waters.
- Harvesting or Salvaging within Type 1, 2, 3 and 4 Riparian Management Zones. (Refer to item F-J and Appendix 3 in the Agreement Memo). If harvesting, describe the general

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

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

Sub-basin 5 is not managed for rain-on-snow as it falls below the threshold of 33.3%. Sub-basin 5 totals 4,189 acres of which 373 acres is ROS.

Moonbeam 50 year site index is 115. Units 1 and 3 have a minimum site index buffer of 165 feet along the type 3 streams (stream A and E). Units 1 and 3 buffers will not be harvested. One type 4 stream in Unit 3 (stream D) has a 100-foot, no-harvest stream buffer. The type 3 streams have a 25-foot, no-harvest inner zone and an additional 25-foot equipment limitation zone (stream A and E). Only cables will be suspended over the type 3 stream. Inner gorges along the type 3 stream in Unit 2 were tagged outside the sale in consultation with the region geologist in the field. RMZ thinning in unit 2 (approximately 5.6 acres) along the type 3 stream will be thinned according to Schedule B specifications.

The RMZs for the type 3 streams in this proposal will all be managed with a Type II RMZ thinning in conjunction with upland thinning and will not be harvested in the 25-foot inner core zone. Type 3 stream RMZs are based on 100-year Douglas-fir site index.

Post harvest Unit 2 should have approximately 112 to 117 residual TPA minimum accounting for deductions for yarding corridors and LWD creation. The prescription would have an average of 150 TPA without accounting for LWD and yarding corridors.

In both stands, the major RDFC parameters are reached at least 40 years sooner than it would without treatment. All of the hardwoods will be retained in the type 3 RMZ to facilitate species diversity. Snag and LDW recruitment will occur naturally as the stands matures to supplement the treatments.

**Forest Practices Application/Notification Addendum  
DNR Proprietary HCP, WAC Replacement Summary for Aquatic Resources, 2008  
Five West-side Planning Units, Excluding the OESF**

<b>Stream Segment Identifier or Wetland Identifier</b>	<b>Water Type or Wetland "forested or open water"</b>	<b>Site Class FP Base Map / Other source</b>	<b>Stream Width (feet) or Wetland Size</b>	<b>Is there a CMZ?</b>	<b>Total Width of RMZ/WMZ FP width / Actual width (feet)</b>	<b>Wind Buffer?</b>
A	3	III	Greater than 2 ft.	No	135/165	No
B	5	III	Less than 2 ft.	No	0/30' equipment limitation	N/A
C	5	III	Less than 2 ft.	No	0/30' equipment limitation	N/A
D	4	III	Greater than 2 ft.	No	50/100	No
E	3	III	Greater than 2 ft.	No	135/165	No
F	5	III	Less than 2 ft.	No	0/30' equipment limitation	No
G	5	III	Less than 2 ft.	No	0/30' equipment limitation	No

## DNR Trust Forestland HCP Water Typing Key

### ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID A, E

DATE 9/22/2014

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

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?

- Yes. Type 3 stream.  
 No. Go to question # 2.

2. Has the stream been surveyed?

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

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

- Yes. Go to question # 4.  
 No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?

(Example: 16' fall in elevation over 100 feet of stream =  $16/100 = .16$  or 16%).

- Yes. Type 3 stream.  
 No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?

- Yes. Go to question # 6.  
 No.. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?

- Yes. Type 3 stream.  
 No. . Type 4 stream.

#### Definitions:

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

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

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

1-14-08

1 4 3 8 3

## DNR Trust Forestland HCP Water Typing Key

### ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID B, C, F, G

DATE 9/22/2014

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

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?

Yes. Type 3 stream.

No. Go to question # 2.

2. Has the stream been surveyed?

Yes. Attach the survey data to the Application/Notification.

Fish found. Type 3 stream.

No fish. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

Yes. Type 4 stream.

No. Type 5 stream.

No. Go to question # 3.

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

Yes. Go to question # 4.

No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?

(Example: 16' fall in elevation over 100 feet of stream =  $16/100 = .16$  or 16%).

Yes. Type 3 stream.

No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?

Yes. Go to question # 6.

No.. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?

Yes. Type 3 stream.

No. . Type 4 stream.

#### Definitions:

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

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

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

1-14-08

## DNR Trust Forestland HCP Water Typing Key

### ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID D

DATE 9/22/2014

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

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?

- Yes. Type 3 stream.  
 No. Go to question # 2.

2. Has the stream been surveyed?

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

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

- Yes. Go to question # 4.  
 No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?

(Example: 16' fall in elevation over 100 feet of stream =  $16/100 = .16$  or 16%).

- Yes. Type 3 stream.  
 No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?

- Yes. Go to question # 6.  
 No.. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?

- Yes. Type 3 stream.  
 No. . Type 4 stream.

#### Definitions:

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

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

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

1-14-08

**Forest Practices Application/Notification Addendum  
DNR Proprietary HCP Implementation Checklist for the  
Northern Spotted Owl, 2008 (all HCP planning units & OESF)**

Refer to the DNR Proprietary HCP Implementation Agreement for the NSO, 2008.

1. Is the Forest Practice activity within a NRF Management Area?
  - Yes, Go to #2.
  - No, Go to #6.
2. Is the Forest Practice activity within a designated 500-acre Nest Patch?
  - Yes, No timber harvest allowed, harvest deferment of Nest Patches, refer to Substitution Agreement, Section I.A. **End Checklist.** Maintenance of existing roads is permitted. Describe road maintenance activity in Question #13.
  - No, Go to #3.
3. Is the Forest Practice activity within 0.7 miles of a spotted owl nest site (status 1 or 2)?
  - Yes, Apply timing restrictions; refer to Substitution Agreement, Section I. Go to #4.
  - No, Go to #4.
4. Is the SOMU where the Forest Practice activity is located, above the threshold of NRF habitat?
  - Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall below the target amount. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of NRF habitat will remain within the SOMU after harvest. Go to #13.
  - No, Go to #5.
5. Is the Forest Practice activity within suitable submature habitat or better or "next best"?
  - Yes, Ensure NRF habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #13, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #13.
  - No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #13 how management activity will maintain and/or achieve the NRF target amount. Go to #13.
6. Is the Forest Practice activity within a Dispersal or DFC Management Area?
  - Yes, Go to #7.
  - No, Go to #10.
7. Is the Forest Practice activity within 0.7 miles of a spotted owl nest site (status 1 or 2)?
  - Yes, Apply timing restrictions; refer to Substitution Agreement, Section I. Go to #8.
  - No, Go to #8.
8. Is the SOMU where the Forest Practice activity is located, above the threshold of dispersal habitat?
  - Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall below the target amount. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of dispersal habitat will remain within the SOMU after harvest. Go to #13.

- No, Go to #9.
9. Is the Forest Practice activity within suitable dispersal habitat or better or “next best”?
- Yes, Ensure dispersal habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #13, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #13.
- No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #13 how management activity will maintain and/or achieve the dispersal target amount. Go to #13.
10. Is the Forest Practice activity located within the OESF?
- Yes, Go to #11.
- No, Go to #12.
11. Landscape planning has been initiated, but has it been completed?
- Yes, Proceed with the activity, ensuring that all commitments of the Landscape Plan are fulfilled. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Go to #12.
- No, Proceed with the activity, ensuring that the total amount of habitat harvested since HCP implementation will not exceed the allowable amount as described within the substitution agreement, Section II. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Go to #12.
12. Is the Forest Practice activity located within a Status 1 or 2 spotted owl management circle based on the WDFW database?
- Yes, Apply harvest timing restrictions to activities within the best 70-acre core around the site center; refer to Substitution Agreement, Section III. Include location of best 70-acre core on Forest Practices Map. Go to #13.
- No, Go to #13.
13. Provide any additional information or details requested from previous questions on the following lines. If no additional information is required, simply state “not applicable” below. Otherwise, include the SOMU name(s) when necessary if activity is within NRF or dispersal management areas or OESF and how habitat will be maintained or enhanced, etc. If varying from standard HCP guidance, attach concurrence/variance approval from Land Management Division and/or Federal Services and discuss below.

**End checklist.**

Unit 2 is a NRF thinning. The thinning treatment will accelerate the stand to sub-mature habitat conditions or better (i.e. Type A and Type B) faster than through no management. For instance, using FVS (Forest Vegetation Simulator), in 2064 the unmanaged stand is projected to have attained a QMD of 16.4 inches as compared to the thinned stand’s QMD of 20.3. By 2064, the thinned stand will have an average height of 126 ft, a basal area of 239 and a stand density index of 332.

**Forest Practices Application/Notification Addendum  
DNR Proprietary HCP Implementation Checklist for the  
Northern Spotted Owl, 2008 (all HCP planning units & OESF)**

Refer to the DNR Proprietary HCP Implementation Agreement for the NSO, 2008.

1. Is the Forest Practice activity within a NRF Management Area?
  - Yes, Go to #2.
  - No, Go to #6.
2. Is the Forest Practice activity within a designated 500-acre Nest Patch?
  - Yes, No timber harvest allowed, harvest deferment of Nest Patches, refer to Substitution Agreement, Section I.A. **End Checklist.** Maintenance of existing roads is permitted. Describe road maintenance activity in Question #13.
  - No, Go to #3.
3. Is the Forest Practice activity within 0.7 miles of a spotted owl nest site (status 1 or 2)?
  - Yes, Apply timing restrictions; refer to Substitution Agreement, Section I. Go to #4.
  - No, Go to #4.
4. Is the SOMU where the Forest Practice activity is located, above the threshold of NRF habitat?
  - Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall below the target amount. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of NRF habitat will remain within the SOMU after harvest. Go to #13.
  - No, Go to #5.
5. Is the Forest Practice activity within suitable submature habitat or better or "next best"?
  - Yes, Ensure NRF habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #13, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #13.
  - No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #13 how management activity will maintain and/or achieve the NRF target amount. Go to #13.
6. Is the Forest Practice activity within a Dispersal or DFC Management Area?
  - Yes, Go to #7.
  - No, Go to #10.
7. Is the Forest Practice activity within 0.7 miles of a spotted owl nest site (status 1 or 2)?
  - Yes, Apply timing restrictions; refer to Substitution Agreement, Section I. Go to #8.
  - No, Go to #8.
8. Is the SOMU where the Forest Practice activity is located, above the threshold of dispersal habitat?
  - Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall below the target amount. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of dispersal habitat will remain within the SOMU after harvest. Go to #13.

- No, Go to #9.
9. Is the Forest Practice activity within suitable dispersal habitat or better or "next best"?
- Yes, Ensure dispersal habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #13, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #13.
- No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #13 how management activity will maintain and/or achieve the dispersal target amount. Go to #13.
10. Is the Forest Practice activity located within the OESF?
- Yes, Go to #11.
- No, Go to #12.
11. Landscape planning has been initiated, but has it been completed?
- Yes, Proceed with the activity, ensuring that all commitments of the Landscape Plan are fulfilled. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Go to #12.
- No, Proceed with the activity, ensuring that the total amount of habitat harvested since HCP implementation will not exceed the allowable amount as described within the substitution agreement, Section II. Please describe in Question #13; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even-age harvest and how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Go to #12.
12. Is the Forest Practice activity located within a Status 1 or 2 spotted owl management circle based on the WDFW database?
- Yes, Apply harvest timing restrictions to activities within the best 70-acre core around the site center; refer to Substitution Agreement, Section III. Include location of best 70-acre core on Forest Practices Map. Go to #13.
- No, Go to #13.
13. Provide any additional information or details requested from previous questions on the following lines. If no additional information is required, simply state "not applicable" below. Otherwise, include the SOMU name(s) when necessary if activity is within NRF or dispersal management areas or OESF and how habitat will be maintained or enhanced, etc. If varying from standard HCP guidance, attach concurrence/variance approval from Land Management Division and/or Federal Services and discuss below.

**End checklist.**

Not applicable
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**Forest Practices Application/Notification Addendum**  
**DNR Trust Lands HCP Implementation Checklist for the Marbled Murrelet, 2014**  
**North Puget Planning Unit Only**

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

1. Is the proposed Forest Practices activity within potential habitat, occupied site, Criteria 3 newly identified habitat or suitable habitat not available for release<sup>1</sup>?
  - Yes, proposal is **inconsistent** with current HCP strategy. **Stop Proposed Activity** or document in Question #6 specifics of proposal and Forest Resources Division approval if intending to proceed.
  - No, not within suitable habitat not available for release, potential, occupied, or Criteria 3 newly identified habitat. Go to Question #2.
  
2. Is the proposed activity within releasable<sup>1</sup> suitable habitat according to the NPPU memo (dated 6/12/2009)?
  - Yes, document in Question #6 the WAU name, **total** suitable MM habitat acres allowed to be harvested within the WAU and the **total** acres to date of suitable MM habitat harvested within the WAU after this proposed harvest. Go to Question #3.
  - No, proposal is not within releasable suitable habitat. Go to Question #3.
  
3. Is the proposed activity located within unsurveyed Criteria 1 newly identified habitat that is within 0.25 miles of an occupied site, or unsurveyed Criteria 2 newly identified habitat?
  - Yes, proposal is **inconsistent** with the current HCP strategy. **Stop Proposed Activity** or document in Question #6 specifics of proposal and Forest Resources Division approval if intending to proceed.
  - No, go to Question #4.

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<sup>1</sup> Some suitable habitat may be available for harvest (releasable) if 50% of the habitat will remain within the WAU and it is greater than 0.5 miles from an occupied site and identified per NPPU memo dated 6/12/2009. Criteria 1 habitat is: Habitat  $\geq$  5 acres but  $\leq$  10 acres with  $\leq$  10 platforms per acre OR Habitat  $>$  10 acres but  $\leq$  20 acres with  $\leq$  5 platforms per acre. Criteria 2 habitat is: Habitat  $\geq$  5 acres but  $\leq$  10 acres with  $>$  10 platforms per acre OR Habitat  $>$  10 acres but  $\leq$  20 acres with  $>$  5 platforms per acre OR Habitat  $>$  20 acres with  $\leq$  15 platforms per acre. Criteria 3 is: Habitat  $\geq$  20 acres with  $>$ 15 platforms per acre.

4. Is the proposed activity located within surveyed and unoccupied Criteria 1 or 2 newly identified habitat, or unsurveyed Criteria 1 that is greater than 0.25 miles from an occupied site and is the activity only for operational access (roads or yarding corridors) through this habitat type?
- Yes, proposal is consistent with the current HCP. Timing restrictions are applied when operating within this habitat and remaining habitat is deferred from harvest. Consult with Region biologist/specialist for recommendations on minimizing platform tree removal. Document in Question #6 the type of operational access, but first go to Question #5.
  - No, go to Question #5.
5. Is the proposed harvest activity within ¼ mile of any marbled murrelet occupied site(s), Criteria 3 newly identified habitat or unsurveyed suitable MM habitat<sup>2</sup>?
- Yes, consult with Region biologist/specialist for recommendations on buffers and timing restrictions. Go to Question #6 and document type of buffer of occupied site or suitable habitat.
  - No, proceed with activity; go to Question #6 if any documentation is required.
6. This question or section is for additional information the checklist suggested you provide in previous questions or any additional information you think is relevant to the proposal. If you were able to answer the previous questions without a “Stop Proposed Activity” notification then your proposal is consistent with the HCP and may proceed. Otherwise, more documentation is required here. If varying from current HCP guidance, attach consultation agreement from Forest Resources Division and/or USFWS and discuss below.

No additional documentation required.

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<sup>2</sup> “Unsurveyed suitable habitat” refers to potential habitat identified per the NPPU 2007 memo that has been field verified as suitable, but not yet surveyed.

## **MESMAN, ANNETTE ((DNR))**

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**From:** FERGUSON, PATRICK (DNR)  
**Sent:** Monday, October 20, 2014 3:53 PM  
**To:** Lewis, Gregg (DNR)  
**Cc:** MESMAN, ANNETTE ((DNR)); KLEPL, THERESA (DNR)  
**Subject:** FW: Moonbeam FPA  
**Attachments:** FPAMoonbeam.pdf

Not quite sure why this came to me, but I gather you need it for your records.

### **Patrick Ferguson**

Timber Contracts Specialist  
Product Sales & Leasing Division  
Washington State Department of Natural Resources (DNR)  
360-902-1745 Office  
[patrick.ferguson@dnr.wa.gov](mailto:patrick.ferguson@dnr.wa.gov)  
[www.dnr.wa.gov](http://www.dnr.wa.gov)

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**From:** McLemore, Morgan (DAHP) **On Behalf Of** DAHP FPA Reviews (DAHP)  
**Sent:** Monday, October 20, 2014 7:45 AM  
**To:** FERGUSON, PATRICK (DNR)  
**Cc:** DAHP FPA Reviews (DAHP)  
**Subject:** RE: Moonbeam FPA

Patrick,

Based on the provided FPA, DAHP has reviewed the area outlined within the FPA project area and has determined that there are no conflicts with any known archaeological sites, historic archaeological resources (as defined in RCW 27.53.030), or historic sites eligible for listing on the National Register of Historic Places or the Washington Heritage Register.

However, should archaeological materials (e.g. bones, shell, stone tools, beads, ceramics, old bottles, hearths, etc.) be observed during project activities, all work in the immediate vicinity will stop. The State Department of Archaeology and Historic Preservation (360-586-3065), the County planning office, and the affected Tribe(s) must be contacted immediately in order to help assess the situation and determine how to preserve the resource(s). Compliance with all applicable laws pertaining to archaeological resources (RCW 27.53, 27.44 and WAC 25-48) is required. Failure to comply with this requirement could result in criminal or civil penalties.

If federal funds or permits are involved in the project, notification to the appropriate federal agency and the Advisory Council must occur in addition to the above-listed parties, per 36 CFR Sec. 800.12. In the event that during ground disturbing activities your crew encounter human skeletal remains, then all activity will cease that may cause further disturbance to those remains. The area of the find will be secured and protected from further disturbance. The finding of human skeletal remains will be reported to the county medical examiner/coroner and local law enforcement in the most expeditious manner possible. The remains will not be touched, moved, or further disturbed. The county medical examiner/coroner will assume jurisdiction over the human skeletal remains and make a determination of whether those remains are forensic or non-forensic. If the county medical examiner/coroner determines the remains are non-forensic, then they will report that finding to the Department of Archaeology and Historic Preservation (DAHP) who will then take jurisdiction over the remains. The DAHP will notify any appropriate

cemeteries and all affected tribes of the find. The State Physical Anthropologist will make a determination of whether the remains are Indian or Non-Indian and report that finding to any appropriate cemeteries and the affected tribes. The DAHP will then handle all consultation with the affected parties as to the future preservation, excavation, and disposition of the remains. (RCWs 68.50.645, 27.44.055, and 68.60.055)

Kind regards,

**Morgan McLemore**, GIS Cultural Resources Analyst  
Department of Archaeology and Historic Preservation  
[Morgan.McLemore@dahp.wa.gov](mailto:Morgan.McLemore@dahp.wa.gov) | 360.586.3081 | [www.dahp.wa.gov](http://www.dahp.wa.gov)

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**From:** McLemore, Morgan (DAHP)  
**Sent:** Monday, October 20, 2014 7:35 AM  
**To:** DAHP FPA Reviews (DAHP)  
**Subject:** FW: Moonbeam FPA

**Morgan McLemore**, GIS Cultural Resources Analyst  
Department of Archaeology and Historic Preservation  
[Morgan.McLemore@dahp.wa.gov](mailto:Morgan.McLemore@dahp.wa.gov) | 360.586.3081 | [www.dahp.wa.gov](http://www.dahp.wa.gov)

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**From:** McLemore, Morgan (DAHP)  
**Sent:** Monday, October 20, 2014 6:56 AM  
**To:** FERGUSON, PATRICK (DNR)  
**Subject:** FW: Moonbeam FPA

**From:** Lewis, Gregg (DNR)  
**Sent:** Thursday, October 16, 2014 4:22 PM  
**To:** McLemore, Morgan (DAHP)  
**Subject:** Moonbeam FPA

Oops....forgot the FPA! Please see attached.



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**  
 Peter Goldmark - Commissioner of Public Lands

FPA/N No: 2814382

Effective Date: 1/6/2015

Expiration Date: 1/6/2018

**Forest Practices Application/Notification  
 Notice of Decision**

Shut Down Zone: 658

EARR Tax Credit:  Eligible  Non-eligible

Reference: **Moonbeam**

**DECISION:**

- NOTIFICATION Operations shall not begin before the effective date.
- APPROVED This Forest Practices Application is subject to the conditions listed below.
- DISAPPROVED This Forest Practices Application is disapproved for the reasons listed below.
- CLOSED Applicant has withdrawn FPA/N.

**FPA/N CLASSIFICATION**

**Number of Years Granted on Multi-Year Request**

Class II  Class III  Class IVG  Class IVS  4yrs  5 yrs

**Conditions on Approval / Reasons for Disapproval**

THIS OPERATION IS SUBJECT TO THESE CONDITIONS:

No additional conditions.

FOR YOUR INFORMATION:

An FPHP will be required for this FPA for the proposed tailhold across the type 3 Stream.

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: 1/6/2015

Copies to:  Landowner, Timber Owner and Operator

Issued in Person:  Landowner,  Timber Owner  Operator By: *L. Utgard*

**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

And

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

**Other Applicable Laws**

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

**Hydraulic Project Approval (HPA) (Chapter 77.55RCW and WAC 222-50-020(2))**

The Department of Fish and Wildlife (WDFW), as the jurisdictional agency issuing HPAs, has final authority for approving water crossing structures in Type S and F waters. WDFW continues to have authority on Type N waters and may exercise that authority on some Type N waters.

Notice: The HPA water crossing requirements supersede what is indicated on the FPA. Landowners are required by law to follow the provisions as directed on the HPA.

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

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

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

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

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

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

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

**DNR affidavit of mailing:**

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

\_\_\_\_\_ L Utgard \_\_\_\_\_

(Printed name)

\_\_\_\_\_

(Signature)





WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**

**Forest Practices Application/Notification  
NOTICE OF TRANSFER**

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

FPA/N Number: 2814382 Section(s): 21,28 Township: 28N Range: 09E

Original Landowner (Signature): *[Signature]*  
Original Landowner (Printed): Yvette Novaro Date: 6/1/15

**MOONBEAM VDT & VRH 30-089646**

<b>New Operator – Fill out this section <u>only</u> if you are changing or adding an operator</b>	
Legal Name of New Operator: (Print) Pulley Corporation Phone: 360-724-5012 Email:	Mailing Address: 20737 Echo Hill Road Sedro-Woolley, WA 98284 Date:
<b>New Operator Signature:</b>	

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

<b>New Timber Owner – Fill out this section <u>only</u> if you are transferring your timber rights</b>	
Legal Name of Timber Owner: (Print) Pulley Corporation Phone: 360-724-5012 Email:	Mailing Address: 20737 Echo Hill Road Sedro-Woolley, WA 98284 Date:
Forest Tax Reporting Account Number: (Contact Dept. of Revenue to get this number: 1-800-548-8829) <u>800-049-187</u>	
<b>New Timber Owner Signature:</b> <u><i>[Signature]</i></u> <u>5-29-15</u>	

Received by: <u><i>[Signature]</i></u> Date: <u>6/1/15</u> (DNR Forest Practices Staff Signature) 11/08/2005 Form QQ50
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WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**  
 Peter Goldmark - Commissioner of Public Lands

FPA/N No: 2814382

Date of Service: 12/18/2015

Request to Amend  
 Forest Practices Application/Notification

Reference: Moonbeam

## DNR's Decision

### Decision

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

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

### Conditions on Approval/Reasons for Disapproval

### Appeal Information (RCW 76.09.090(3), WAC 222-46-030(4), and WAC 332-08-215 (3).

The Landowner, Timber Owner, or Operator has 15 calendar days from the Date of Service to request a Brief Adjudicative Proceeding for this **amendment which is a Notice to Comply for an authorized deviation**. Appeal requests must:

- Be in writing
- Include signature(s)
- Include the factual basis for the appeal and the issue to be adjudicated
- Sent to the Region Office at 919 N Township St, Sedro-Woolley WA 98284
- With a copy sent to the Department of Natural Resources, Forest Practices Division, PO Box 47012, Olympia, WA 98504-7012

Issued By: Steven Huang by  Title: Forest Practice Forester

**Copies Sent To:** Landowner (via US Mail), Timber Owner (via US Mail), Operator (via US Mail), WDFW, DOE, Affected Indian Tribes, LGE, other: FPDM, FPCOORD, *E-Mailed 12-21-15*

### DNR affidavit of mailing:

On this day 12-21-15, I placed in the United States mail at Sedro-Woolley, WA,  
 (date) Parcel delivered (post office location)  
~~postage paid~~, a true and accurate copy of this Amendment Request Notice of Decision for FPA # 2814382  
L Utgard  
 (Printed name) (Signature)



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**

**Request to Amend Forest Practices  
Application/Notification**

For DNR Region Office Use Only	
Region:	NW

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

TYPE OR PRINT IN INK:

Moonbeam Timber Sale

1. Landowner, Timber Owner, and Operator information

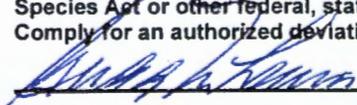
<u>Legal Name of LANDOWNER</u>	<u>Legal Name of TIMBER OWNER</u>	<u>Legal Name of OPERATOR</u>
Department of Natural Resources	Pulley Corporation	Same as Timber Owner
Mailing Address: 919 N Township Street	Mailing Address: 20737 Echo Hill Road	Mailing Address:
City, State, Zip Sedro-Woolley, WA 98284	City, State, Zip Sedro-Woolley, WA 98284	City, State, Zip
Phone ( 360 ) 856-3500	Phone ( 360 ) 724-3109	Phone ( )
Email:	Email:	Email:

2. Approved FPA/N Number 2814382

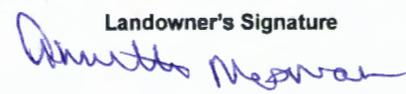
3. Describe the proposed amendment to the original FPA/N. You can attach revised pages of an FPA/N, or give specific details. Include a new Activity Map if you are proposing any changes to the original.

Two additional existing rock sources to be utilized as needed for road maintenance and repair of the WF-ML, WF-87, WF8716 and WF-8717 roads. See attached map for locations.

4. I affirm that the information contained herein is true, and understand that this proposed forest practice is subject to the Forest Practices Act and Rules, as well as all other federal, state or local regulations. Compliance with the Forest Practices Act and Rules does not ensure compliance with the Endangered Species Act or other federal, state or local laws. I understand this amendment is a request for a Notice to Comply for an authorized deviation as described in WAC 222-20-060.

5.   
Landowner's Signature

12/16/15  
Date



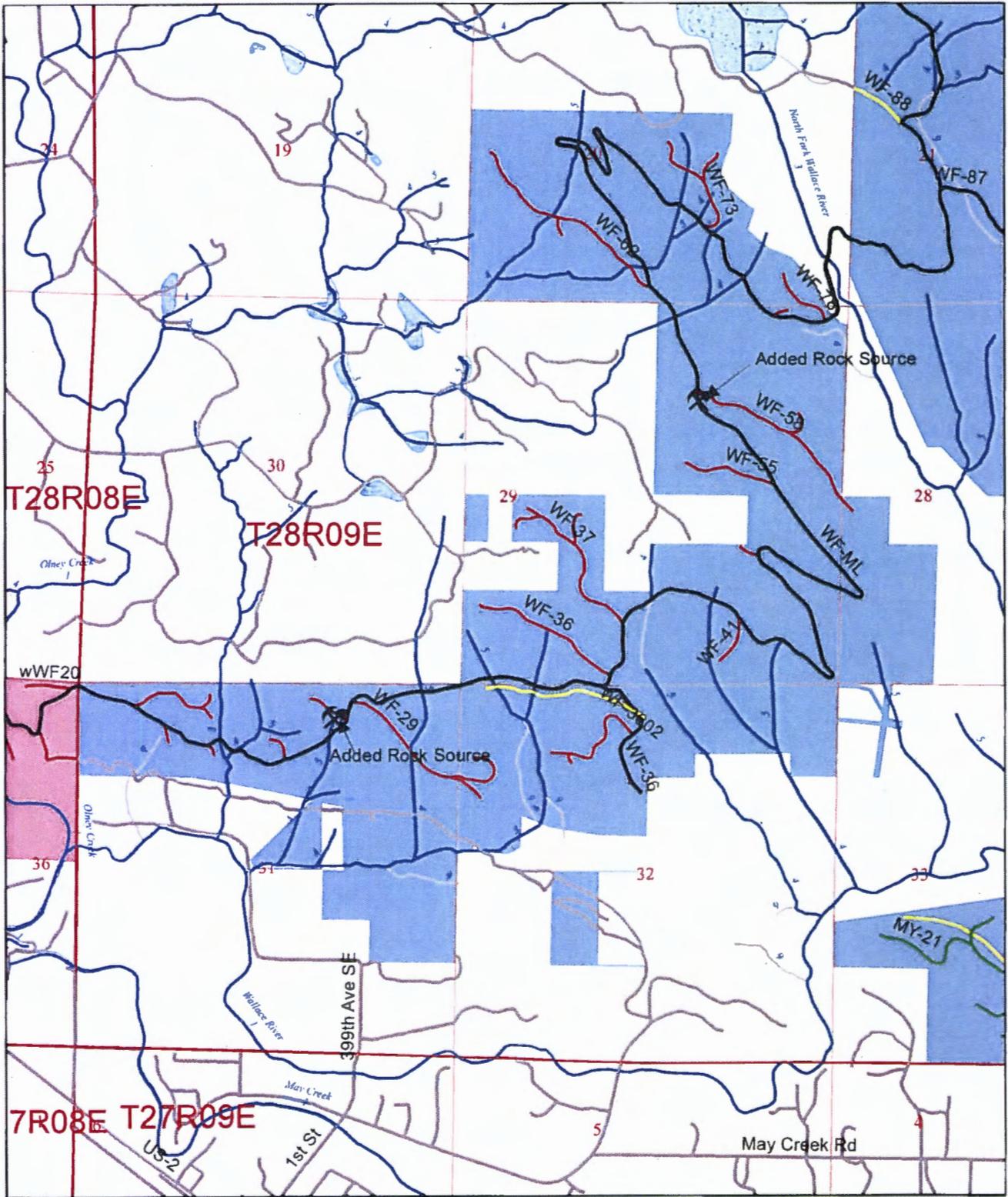
RECEIVED NW REGION

DEC 16 2015

# Moonbeam Timber Sale

FPA # 2814382

Two Additional Existing Rock Sources



1,800  
Feet

