



COPY

FPA/N No: 2706582

Effective Date: 9/24/2018

Expiration Date: 9/24/2021

Shut Down Zone: 675

EARR Tax Credit: [ ] Eligible [ ] Non-eligible

Reference: West Fork Teanaway Bridge

Forest Practices Application/Notification
Notice of Decision

Decision

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[ ] Closed Applicant has withdrawn FPA/N.

FPA/N Classification

Number of Years Granted on Multi-Year Request

- [ ] Class II [X] Class III [ ] Class IVG [ ] Class IVS [ ] 4 years [ ] 5 years

Conditions on Approval / Reasons for Disapproval

In-water work window limited to July 16th to September 30 of any given year.

In the event there is dewatering of the work areas fish salvage must be conducted and fish placed downstream back in the river.

Equipment operating within the wetted perimeter of the river must use a biodegradable, non-toxic hydraulic fluid meeting the toxicity requirements of the U. S. Environmental Protection Agency and the U.S. Fish and Wildlife Service in the equipment hydraulic systems.

All spoils or wastes will be located outside the 100 year flood.

All disturbed soil areas or waste areas must have mitigations to prevent erosion and ponding of water. WDFW recommends seeded with an appropriate native seed mix and must be replanted with riparian vegetation either cuttings or potted plants.

Issued By: Tony W. Gilmer Region: Southeast

Title: SE FP Road Specialist Date: 9/24/2018

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

Issued in person: [X] Landowner [X] Timber Owner [X] Operator By: Brenda Young

## JONES, NICK (DNR)

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**From:** Early, Shane (DNR)  
**Sent:** Monday, September 10, 2018 1:54 PM  
**To:** JONES, NICK (DNR)  
**Cc:** YOUNG, BRENDA (DNR); Hummel, Rainer (DNR); GILMER, TONY (DNR)  
**Subject:** RE: Notification of new FPA 2706582

Forest Practices Application/Notification (FPA/N) # **2706582**

On **09/10/2018** , we began processing your FPA/N for

Sections 01 , T 20 , R 15 , E / W

(Reference Name: **WA DNR State Lands – WF Teanaway Bridge**).

This FPA/N will be approved or disapproved no later than **10/09/2018**

You will be notified of the decision by mail when this FPA/N is approved or disapproved on a “Notice of Decision” form.

**NOTE: You cannot begin work before the “Effective Date” shown on your Notice of Decision form.**

If you need a copy of your original application, you can request one from the DNR region office or you can download it from our website. We post all applications and decisions on a password-protected Internet site for the Forest Practices Application Review System (FPARS). To get a password, submit an FPARS Reviewer Profile form, found

at [http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp\\_fpars.aspx](http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_fpars.aspx) Email the completed form to [fpars-admin@dnr.wa.gov](mailto:fpars-admin@dnr.wa.gov) and you will receive access and instructions for using the system.

Questions? Call the Southeast Region Office at (509) 925-8510.

*Shane*

### **Shane Early**

Forest Practices Coordinator

Southeast Region

Washington State Department of Natural Resources (DNR)

☎ (509) 925-0948

✉ [shane.early@dnr.wa.gov](mailto:shane.early@dnr.wa.gov)

[www.dnr.wa.gov](http://www.dnr.wa.gov)



WASHINGTON STATE DEPARTMENT OF  
**NATURAL RESOURCES**



For DNR Region Office Use Only	
FPA/N #:	
Region:	
Received Date:	

## Forest Practices Application/Notification Eastern Washington

**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)
WA Department of Natural Resources	Same as Landowner	Same as Landowner
Mailing Address: 713 Bowers Road	Mailing Address:	Mailing Address:
City, State, Zip Ellensburg, WA 98926	City, State, Zip	City, State, Zip
Phone (509 )925-8510	Phone (    )	Phone (    )
Email:	Email:	Email:

**2. Contact Person**

Contact Person: Nick Jones - DNR Southeast Region Engineer	Phone (509 )925-0928 Email: nick.jones@dnr.wa.gov
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**3. Landownership information: See instructions**

a.  No  Yes Are you a small forest landowner per RCW 76.09.450?

If yes, continue to b.

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

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

N/A

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

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

No  Yes Write 'HCP' or 'Using Prescriptions' in tables that apply. Attach or reference prescriptions and/or crosswalks on file at the Region office.

- h.  No  Yes An Alternate Plan? If yes, include a copy.
- i.  No  Yes Within 50 miles of saltwater and do you own more than 500 acres of forest land in Washington State? If yes, include Marbled Murrelet Form or attach/reference HCP prescriptions.
- j.  No  Yes In or directly adjacent to a potential Channel Migration Zone (CMZ)? If yes, include CMZ Assessment Form. Attach/reference applicable HCP and/or Watershed Analysis prescriptions.

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

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

**Prior to answering Questions 14-17 in this section please refer to the Forest Practices Application Instructions and Forest Practices Board Manual Section 5.**

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

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

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

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

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**, punchoon, 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)	FFPPP Project (Y or N)
A	S			Replace	Bridge	60' x 14'	Hydraulic	35	1	N	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 Question 24 of the FPA/N Instructions.

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 the 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 (salvage only) (%)	Estimated Number of Trees Per Acre Remaining after Harvest		Steepest Slope in Harvest Unit (%)
								Less than 10" dbh	Greater than or equal to 10" dbh	

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

- Planting. Tree Species: \_\_\_\_\_
- 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 150 tree seedlings per acre are established on the harvest area and my harvest will not damage it.
  - Road right-of-way or rock pit development harvest only.

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

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

- No If no, continue to Question 27.
- Yes If yes, continue to Question 24. See instructions for qualifications and information.

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

Stream Segment Identifier (letter)	Selected Strategy (partial cut or clearcut)	Stream Segment Identifier (letter)	Selected Strategy (partial cut or clearcut)

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

Harvest Boundaries: N/A

Clumped Wildlife Reserve Trees/Green Recruitment Trees: N/A

Right-of-way limits/road centerlines: Reference stakes and slope stakes

Stream Crossing Work: Reference stakes and slope stakes

Riparian Management Zone Boundaries and Leave/Take Trees: N/A

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.

See attached narrative for Question 31.

West Fork Teanaway Bridge Replacement  
NW¼ of NE¼ of Section 1 T20N R15E

The West Fork Teanaway Bridge Replacement Project is located in northwest quarter of the northeast quarter of Section 1 in Township 20 North, Range 15 East, W.M. This project is located on the T3000 Road where the road crosses the West Fork Teanaway River in the Teanaway Community Forest, approximately 5 miles north-northeast of Cle Elum, WA. The Washington State Department of Natural Resources (DNR) acquired this parcel in 2013 from American Forest Holdings (AFH). The West Fork Teanaway River is designated as a shoreline by Kittitas County. The existing bridge structure was installed circa 1976. The bridge structure is on the road system used for forest management activities, including fire suppression, for the much of the area south of the West Fork Teanaway River. The bridge has structural damage on the upstream side and the south abutment has been undermined. The bridge was posted with a 5-ton load restriction in 2017 and is no longer usable for management activities.

The project consists of replacing the existing concrete bridge with a two-piece modular steel bridge superstructure set on pre-cast abutments. The new structure length will be increased from 42' to 60' and the elevation of the bottom of the girders raised approximately 18 inches, which will create a larger hydraulic opening.

Since this project is located on a Type S water, Kittitas County was consulted. This project is exempt from a Shoreline Permit under Kittitas County Code 17.B.07.030 Item 2b since the project is considered a replacement/repair of an existing structure. A Shoreline Exemption Permit will be submitted to Kittitas County once the Forest Practices/Hydraulic Permit Application has been submitted and accepted for review. Since this project falls under a Forest Practices/Hydraulic Permit and not JARPA (Joint Aquatic Resources Permit Application), Kittitas County requires proof that the Forest Practices/Hydraulic Permit has been submitted for processing of the Shoreline Exemption Permit.

The project is subject to a categorical exemption from SEPA (State Environmental Policy Act) under RCW (Revised Code of Washington) 43.21C.470 and WAC (Washington Administrative Code) 197-11-800 Item 3. This project is for the replacement of a structurally deficient bridge. This bridge has been inspected annually since acquisition by DNR from AFH. Bridge inspections and rating are conducted under DNR standards for bridge inspections.

The following is additional information for the questions in the Forest Practices Application.

5. There is not a HCP for this parcel of ground. HCP only applies to DNR ownership on trust parcels, those owned by DNR prior to acquisition of the AFH ownership.
9. The area was reviewed for cultural resources by a DNR Cultural Resource Technician in which none were found. A cultural resource report has been compiled and included with this application. A DNR Cultural Resource Technician will be on site during construction and if resources are found, all work will cease until an approved site protection plan is created.
- 11-12. No unstable slopes at project site. The Slope Stability Screening Tool (Eastside) in GIS shows some pixels indicating very small areas of medium to high to the south-southwest of the project area. The area to the south-southwest of the project area contains sandstone outcrops. This project will not affect these areas.
- 13f. See above discussion related to Shoreline Exemption.
- 13j. On the north side of the West Fork Teanaway River, northwest of the existing bridge structure, there is evidence of an old high water channel, approximately 8 feet in width. This channel is not well defined and is heavily vegetated with underbrush and ponderosa pine. This channel has flows only during high water events. The north approach of the existing bridge is located on an old flood plain where water has been present in extreme high water events. The flood plain is flat with no indications of historic side channels, with the exception of previously mentioned channel northwest of the existing bridge, and extends approximately 200' to the north of the West Fork Teanaway River. The north bridge abutment and approach, including a grade sage, were designed to accommodate extreme high water events. This question of the Forest Practices Application was checked yes since the north approach is within the flood plain. For the CMZ Assessment Form, following is a summary for clarification of the questions.
  1. A review of the area for old channels was done through GIS using LIDAR, aerial photos, and USGS topographic maps.
  2. As answered.
  3. Though the valley floor is wider than the channel, there are not any indications of old relic or historic channels with the exception of the mentioned channel northwest of the existing bridge.

- Weathering steel.
  - Untreated wood deck.
  - Reinforced galvanized steel backwall.
  - Freeboard.
    - 3.2 feet of freeboard above anticipated USBR 100-year flow.
    - 4.9 feet above anticipated Steamstats 100-year flow.
    - Over flow dip design on north approach to carry additional flow.
  - In accordance with design.
- Road subgrade.
  - Road subgrade to be raised.
    - 350 feet in length.
    - Approximately 750 cubic yards of additional fill needed.
      - Material for raising of subgrade to come from two potential borrow sources located near the storage yard north of the project area.
        - "B" and "C" on Forest Practices Base Map.
    - 1:5 (H:V) fill slopes.
    - Subgrade width varies from 15 feet to 20 feet.
    - Crowned subgrade shape.
      - Crown shape.
        - 6 inch rise at centerline.
    - Fill material compacted.
    - Approaches slope away from bridge structure.
    - Upstream fill slope armored beyond abutment.
      - 1 foot to 2 feet size range.
      - From commercial source.
      - Approximately 20 cubic yards.
      - Placed against fill slope, toe of armoring countersunk.
      - In accordance with the design.
    - In accordance with design.
- Grade sag.
  - Installation of grade at base of north approach to accommodate overflow in an extreme high water event.
  - Installation location in accordance with design.
- Surfacing.
  - 1 ¼ inch minus crushed rock surfacing:
    - From commercial source.
    - Approximately 120 cubic yards.
    - Application.
      - Applied to 150 feet of north approach starting at bridge.
      - Applied to 140 feet of south approach starting at bridge.
      - Applied to 8 inches loose depth and compacted.
- Erosion control.
  - Spread straw.
    - Along fill slopes and other disturbed areas.
    - 10 straw bales.
- Large woody debris.
  - Trees from clearing for borrow source shown at "C" on Forest Practices Base Map.
  - Four trees.
    - Ponderosa pine.
    - Diameter range from 6 inches to 10 inches.
  - Trees to be placed at low spot adjacent to stream edge on southeasterly side of northern bridge abutment.

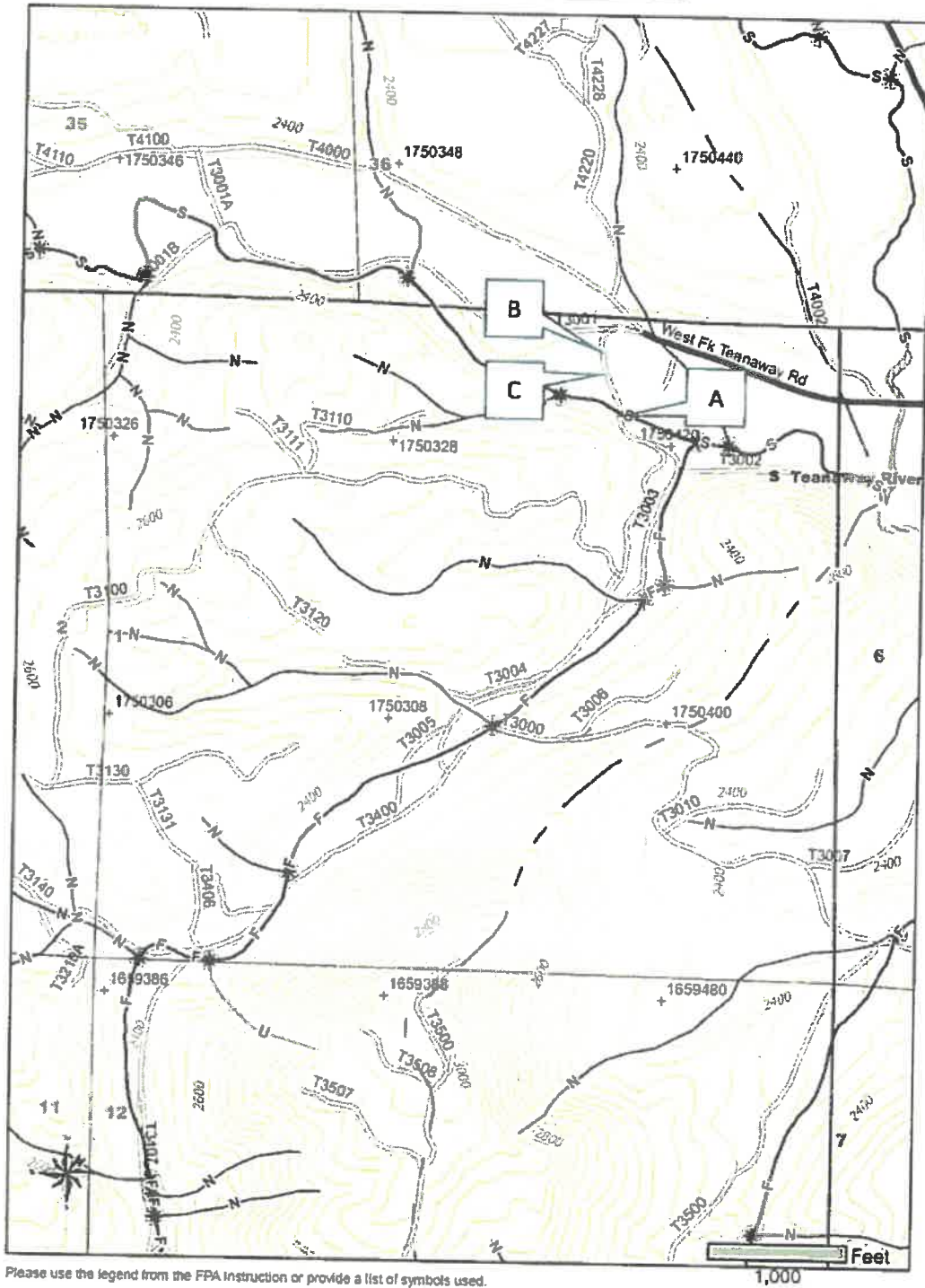
Best Management Techniques (BMP's) will be implemented for project. BMP's will consist of:

- Project to be completed during low flow conditions. In-channel work to occur between July 1 and September 30.



**FOREST PRACTICE ACTIVITY MAP**  
 TOWNSHIP 20 NORTH HALF 0, RANGE 15 EAST (W.M.) HALF 0, SECTION 1

Application #: \_\_\_\_\_



Please use the legend from the FPA instruction or provide a list of symbols used.

Date 4/4/2018 Time 1 15:07 PM  
 NAD 83  
 Contour Interval: 40 Feet