

QUAIL RUN LN

**KCCD**  
**SX-16-00017**

Seymour  
SP-02-00012

Williams  
BL-08-00062

**Williams**  
**SG-08-00062**

**Williams**  
**SG-08-00034**

**MF Williams**  
**SG-06-00094**

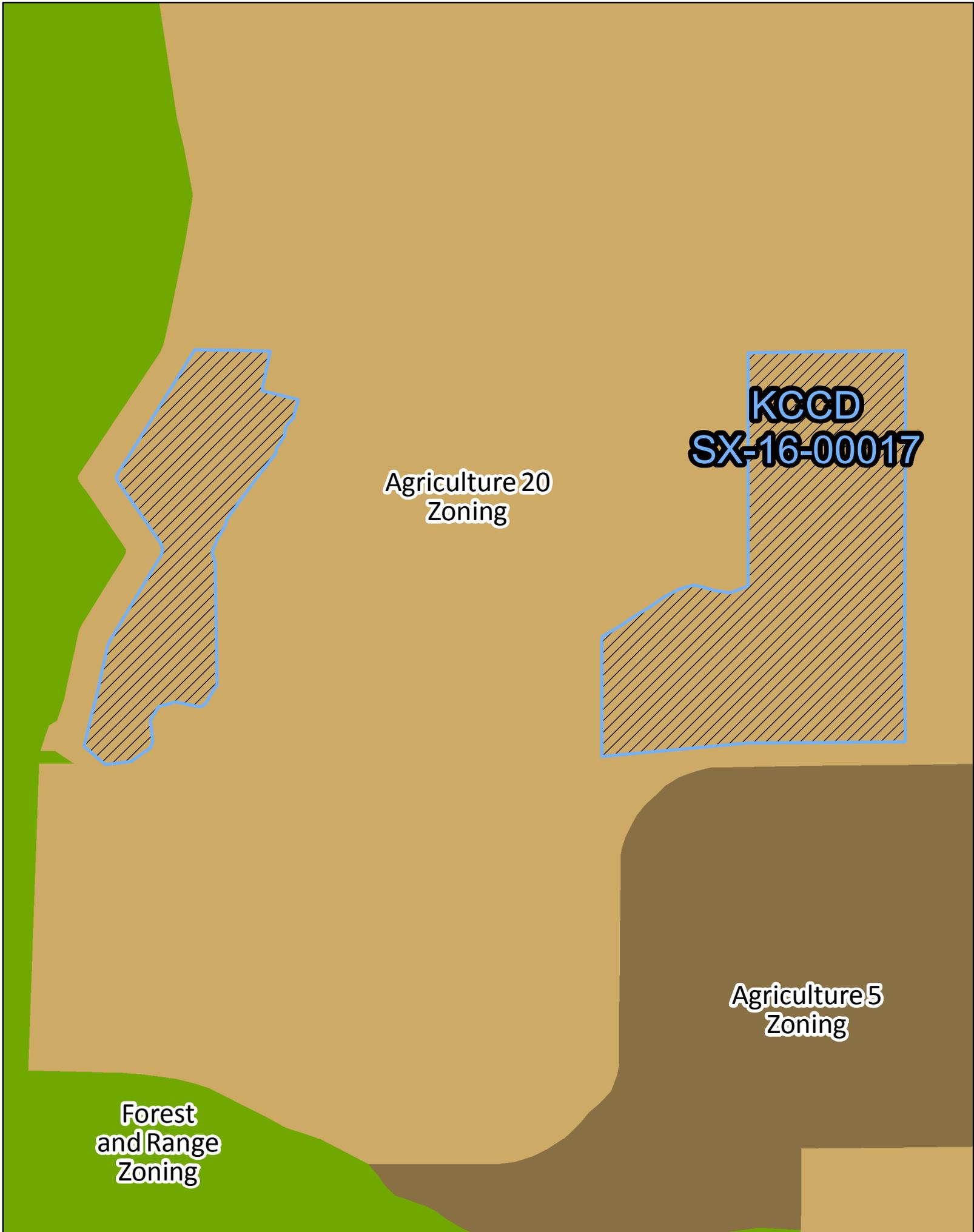
**Williams**  
**SG-08-00062**

Carolyn  
Wilson  
SP-03-00025

MANASTASH RD

SX- 16-00017 KCCD

Zoning



Agriculture 20  
Zoning

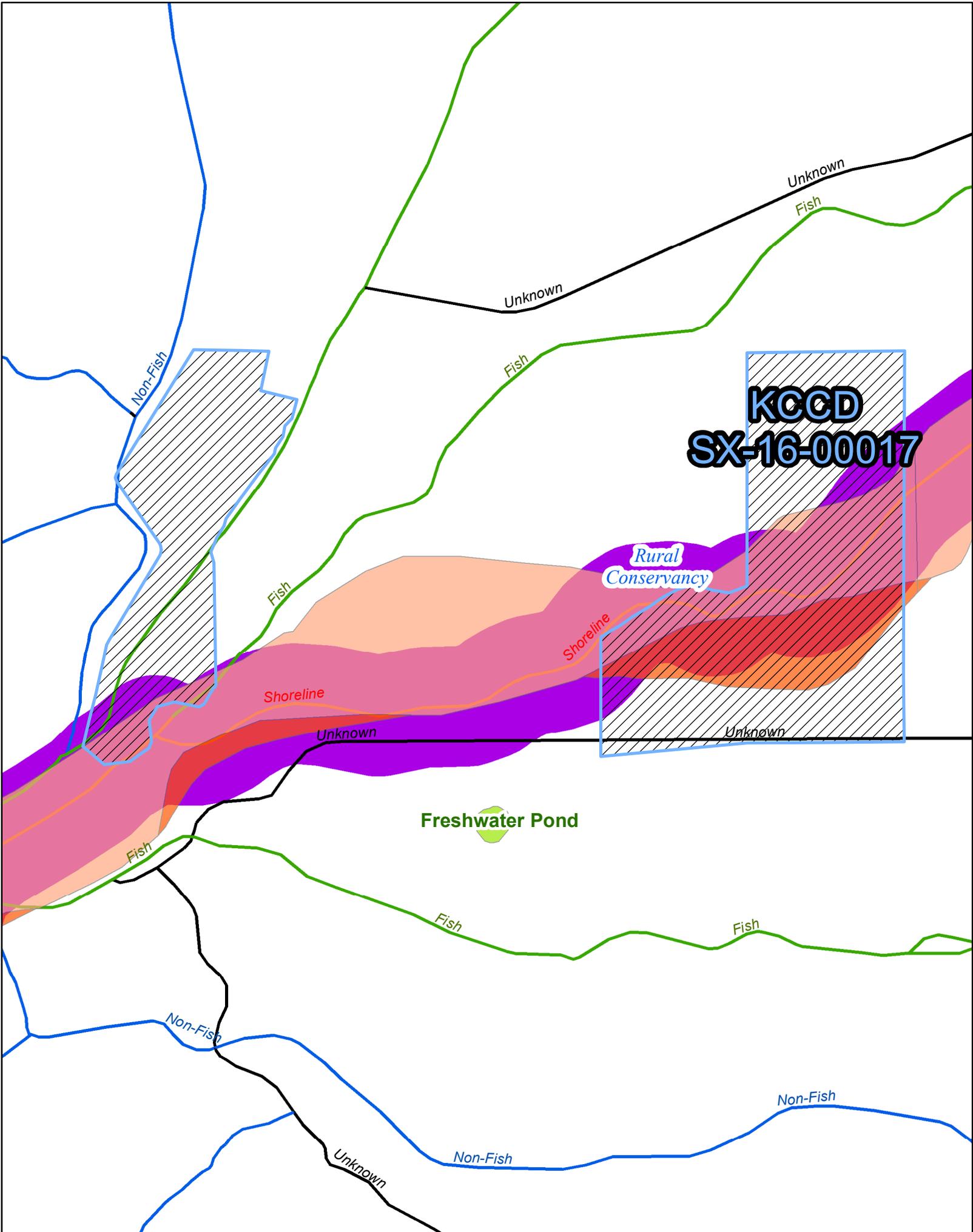
**KCCD  
SX-16-00017**

Agriculture 5  
Zoning

Forest  
and Range  
Zoning

SX- 16-00017 KCCD

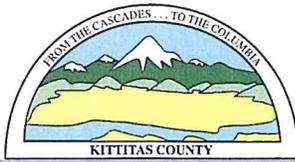
Zoning



SX- 16-00017 KCCD

Critical Areas

SX-16-00017



**KITTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES**

411 N. Ruby St., Suite 2, Ellensburg, WA 98926

CDS@CO.KITTITAS.WA.US

Office (509) 962-7506

Fax (509) 962-7682

"Building Partnerships – Building Communities"

**SHORELINE EXEMPTION PERMITTING**

*(For projects located within 200 feet of a body of water and/or associated floodway and wetlands under the jurisdiction of the Shoreline Master Program)*

**REQUIRED INFORMATION /ATTACHMENTS**

- A scaled site plan is required showing location of all structures, driveways, well, septic, fences, etc. and proposed uses and distances from property lines, river, and Horizontal distance from OHWM. To show the Horizontal distance a profile view from the OHWM to the edge of structure/activity shall also be shown.
- Include JARPA or HPA forms *if required* for your project by a state or federal agency.
- SEPA Checklist, if not exempt per WAC 197-11-800.

\*\*\*Please note a Shoreline Variance or Shoreline Conditional Use Permit may also be required. See Kittitas County Shoreline Master Program\*\*\*

**APPLICATION FEES:**

**\$830.00 Fees due for this application when SEPA is not required** (One check made payable to KCCDS)

**\$1500.00 Fees due for this application when SEPA is required** (One check made payable to KCCDS)

**FOR STAFF USE ONLY**

Application Received By (CDS Staff Signature):

*SM*

DATE: 7/22/16

RECEIPT # 30821

RECEIVED  
JUL 22 2016  
KITTTITAS COUNTY  
CDS

DATE STAMP IN BOX

COMMUNITY PLANNING • BUILDING INSPECTION • PLAN REVIEW • ADMINISTRATION • PERMIT SERVICES • CODE ENFORCEMENT • FIRE INVESTIGATION

**General Application Information**

**1. Name, mailing address and day phone of land owner(s) of record:**

*Landowner(s) signature(s) required on application form.*

Name: Kittitas County Conservation District  
Mailing Address: 2211 W Dolarway, Suite 4  
City/State/ZIP: Ellensburg, WA 98926  
Day Time Phone: 925-3352  
Email Address: a-lael@conserveva.net

**2. Name, mailing address and day phone of authorized agent, if different from landowner of record:**

*If an authorized agent is indicated, then the authorized agent's signature is required for application submittal.*

Agent Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City/State/ZIP: \_\_\_\_\_  
Day Time Phone: \_\_\_\_\_  
Email Address: \_\_\_\_\_

**3. Name, mailing address and day phone of other contact person**

*If different than land owner or authorized agent.*

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City/State/ZIP: \_\_\_\_\_  
Day Time Phone: \_\_\_\_\_  
Email Address: \_\_\_\_\_

**4. Street address of property:**

Address: 7091 Manastash Road  
City/State/ZIP: Ellensburg, WA 98926

**5. Legal description of property: (attach additional sheets as necessary)**

CD. 7005-2-1-1, SEC.12, TWP.17, RGE.17 PTN. SW1/4

**6. Tax parcel number(s):** 085033, 635033, 115033, 925033, 275033, 825033

**7. Property size:** 0.9 acre total project (acres)

**Project Description**

1. Briefly summarize the purpose of the project:

~~The Reed and Hatfield diversion removal and restoration is a fish passage and restoration project which is part of the Manastash Creek Restoration Project.~~

2. What is the primary use of the project (e.g. Residential, Commercial, Public, Recreation)?

Public - fish passage project

3. What is the specific use of the project (e.g. single family home, subdivision, boat launch, restoration project)?

Fish passage and restoration

4. Fair Market Value of the project, including materials, labor, machine rentals, etc. \$350,000.00

5. Anticipated start and end dates of project construction: Start October 1, 2016 End February 15, 2017

**Authorization**

Application is hereby made for permit(s) to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. I hereby grant to the agencies to which this application is made, the right to enter the above-described location to inspect the proposed and or completed work.

**All correspondence and notices will be transmitted to the Land Owner of Record and copies sent to the authorized agent or contact person, as applicable.**

Signature of Authorized Agent:  
(REQUIRED if indicated on application)

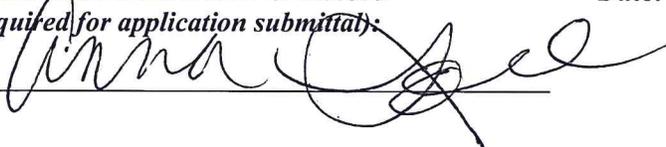
Date:

X \_\_\_\_\_

\_\_\_\_\_

Signature of Land Owner of Record  
(Required for application submittal):

Date:

X  \_\_\_\_\_



**FOR STAFF USE ONLY**

1. Provide section, township, and range of project location:

¼ Section SW Section 12 Township 17 N. Range 17 E., W.M.

2. Latitude and longitude coordinates of project location (e.g. 47.03922 N lat. / -122.89142 W long.):

46.971658 N -120.1064606 [use decimal degrees – NAD 83]

3. Type of Ownership: (check all that apply)

Private       Federal       State       Local       Tribal

4. Land Use Information:

Zoning: Agriculture 20      Comp Plan Land Use Designation: Rural Working

5. Shoreline Designation: (check all that apply)

Urban Conservancy       Shoreline Residential       Rural Conservancy  
 Natural       Aquatic

6. Requested Shoreline Exemption per WAC 173.27.040:

Waterfowl Restoration ZCP: Bird habitat restoration

**Vegetation**

7. Will the project result in clearing of tree or shrub canopy?

Yes       No

If 'Yes', how much clearing will occur? \_\_\_\_\_ (square feet and acres)

8. Will the project result in re-vegetation of tree or shrub canopy?

Yes       No

If 'Yes', how much re-vegetation will occur? \_\_\_\_\_ (square feet and acres)

**Wetlands**

9. Will the project result in wetland impacts?

Yes       No

If 'Yes', how much wetland will be permanently impacted? \_\_\_\_\_ (square feet and acres)

10. Will the project result in wetland restoration?

Yes       No

If 'Yes', how much wetland will be restored? \_\_\_\_\_ (square feet and acres)

**Impervious Surfaces**

11. Will the project result in creation of over 500 square feet of impervious surfaces?

- Yes  No

If 'Yes', how much impervious surface will be created? \_\_\_\_\_ (square feet and acres)

12. Will the project result in removal of impervious surfaces?

- Yes  No

If 'Yes', how much impervious surface will be removed? \_\_\_\_\_ (square feet and acres)

**Shoreline Stabilization**

13. Will the project result in creation of structural shoreline stabilization structures (revetment/bulkhead/riprap)?

- Yes  No

If 'Yes', what is the net linear feet of stabilization structures that will be created? \_\_\_\_\_

14. Will the project result in removal of structural shoreline stabilization structures (revetment/bulkhead/riprap)?

- Yes  No

If 'Yes', what is the net linear feet of stabilization structures that will be removed? \_\_\_\_\_

**Levees/Dikes**

15. Will the project result in creation, removal, or relocation (setting back) of levees/dikes?

- Yes  No

If 'Yes', what is the net linear feet of levees/dikes that will be created? \_\_\_\_\_

If 'Yes', what is the net linear feet of levees/dikes that will be permanently removed? \_\_\_\_\_

If 'Yes', what is the linear feet of levees/dikes that will be reconstructed at a location further from the OHWM? \_\_\_\_\_

**Floodplain Development**

16. Will the project result in development within the floodplain? (check one)

- Yes  No

If 'Yes', what is the net square feet of structures to be constructed in the floodplain? \_\_\_\_\_

*\*Note: A floodplain development is required per KCC 14.08; please contact Kittitas County Public Works*

17. Will the project result in removal of existing structures within the floodplain? (check one)

- Yes  No

If 'Yes', what is the net square footage of structures to be removed from the floodplain? \_\_\_\_\_



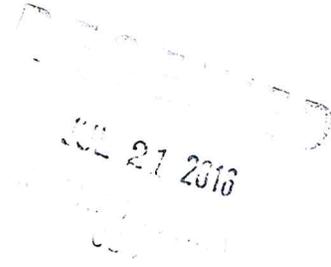


**Kittitas County Conservation District**

2211 W. Dolarway Road, Suite 4 - Ellensburg, WA 98926 - Phone (509) 925-3352 - Fax (888) 546-0825

July 18, 2016

Doc Hansen  
Kittitas County Community Development Services  
411 North Ruby Street, Suite 2  
Ellensburg, WA 98926



RE: Reed and Hatfield Diversion Removal and Restoration Project, Manastash Creek-JARPA-Kittitas County

Dear Mr. Hansen:

Please find enclosed a copy of the JARPA for the County's review of Shoreline Master Program, Floodplain Development and Critical Areas. This project qualifies as a Fish Habitat Enhancement Project for streamlined processing; the application for this process is attached and has been submitted to WDFW.

Kittitas County Conservation District (KCCD) is sponsoring this project through the Manastash Creek Restoration Project in cooperation with the Manastash Steering Committee and the Kittitas County Flood Control District through the Manastash Creek Reach Assessment. We are proposing to remove the existing Reed and Hatfield diversions. The Reed diversion will be removed and a 350' roughened channel will be constructed to provide fish passage for all life stages of fishes and other aquatic organisms. The Hatfield diversion will be removed and backfilled with native alluvium and two root wads. The Reed diversion is the last fish barrier on Manastash and once passage is restored will provide access to 20 miles of quality habitat in the upper watershed. The roughened channel design approach will provide ecological connectivity for all life stages and species of aquatic organisms. Manastash Creek has been identified as a priority tributary for salmonid restoration in the Upper Yakima Basin and the proposed project is supported by numerous local and regional agencies.

We look forward to working with you on this high priority fish passage project that is a key habitat project in the Yakima Basin Integrated Plan. If you wish to further discuss specific aspects of the proposal, please contact me at (509) 925-3352 or [a-lael@conservewa.net](mailto:a-lael@conservewa.net). All of the documents enclosed are available electronically.

Sincerely,

Anna Lael  
KCCD District Manager

Enclosures



# WASHINGTON STATE

## Joint Aquatic Resources Permit

### Application (JARPA) Form <sup>1,2</sup> [\[help\]](#)



US Army Corps  
of Engineers  
Seattle District

AGENCY USE ONLY

Date Received: \_\_\_\_\_

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.

RECEIVED  
JUL 21 2016  
COMMERCIAL  
839

### Part 1 - Project Identification

<b>1. Project Name</b> (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) <a href="#">[help]</a>
Reed and Hatfield Diversion Removal and Restoration Project

### Part 2 - Applicant

The person and/or organization responsible for the project. [\[help\]](#)

<b>2a. Name</b> (Last, First, Middle)			
Lael, Anna			
<b>2b. Organization</b> (if applicable)			
Kittitas County Conservation District			
<b>2c. Mailing Address</b> (Street or PO Box)			
2211 W. Dolarway Road, Ste 4			
<b>2d. City, State, Zip</b>			
Ellensburg, WA 98926			
<b>2e. Phone</b> (1)	<b>2f. Phone</b> (2)	<b>2g. Fax</b>	<b>2h. E-mail</b>
( 509 ) 925-3352	( )	( )	a-lael@conservewa.net

<sup>1</sup>Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

<sup>2</sup>To access an online JARPA form with [\[help\]](#) screens, go to [http://www.epermitting.wa.gov/site/alias\\_resourcecenter/jarpa\\_jarpa\\_form/9984/jarpa\\_form.aspx](http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx).

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or [help@oria.wa.gov](mailto:help@oria.wa.gov).

### Part 3 - Authorized Agent Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

<b>3a. Name</b> (Last, First, Middle)			
Swanson, Sherry			
<b>3b. Organization</b> (if applicable)			
Kittitas County Conservation District			
<b>3c. Mailing Address</b> (Street or PO Box)			
2211 W. Dolarway Road, Ste 4			
<b>3d. City, State, Zip</b>			
Ellensburg, WA 98926			
<b>3e. Phone (1)</b>	<b>3f. Phone (2)</b>	<b>3g. Fax</b>	<b>3h. E-mail</b>
( 509 ) 925-3352	( )	( )	sherry-swanson@conservewa.net

### Part 4 - Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.
- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete [JARPA Attachment E](#) to apply for the Aquatic Use Authorization.

<b>4a. Name</b> (Last, First, Middle)			
Allenbaugh, William			
<b>4b. Organization</b> (if applicable)			
<b>4c. Mailing Address</b> (Street or PO Box)			
7091 Manastash Road			
<b>4d. City, State, Zip</b>			
Ellensburg, WA 98926			
<b>4e. Phone (1)</b>	<b>4f. Phone (2)</b>	<b>4g. Fax</b>	<b>4h. E-mail</b>
( 509 ) 962-1071	( )	( )	

## Part 5 - Project Location

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

<b>5a.</b> Indicate the type of ownership of the property. (Check all that apply.) <a href="#">[help]</a>			
<input checked="" type="checkbox"/> Private <input type="checkbox"/> Federal <input type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.) <input type="checkbox"/> Tribal <input type="checkbox"/> Department of Natural Resources (DNR) - managed aquatic lands (Complete <a href="#">JARPA Attachment E</a> )			
<b>5b.</b> Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) <a href="#">[help]</a>			
7091 Manastash Road,			
<b>5c.</b> City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) <a href="#">[help]</a>			
Ellensburg, WA 98926			
<b>5d.</b> County <a href="#">[help]</a>			
Kittitas			
<b>5e.</b> Provide the section, township, and range for the project location. <a href="#">[help]</a>			
1/4 Section	Section	Township	Range
SW 1/4	12	17 N	17 E
<b>5f.</b> Provide the latitude and longitude of the project location. <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>Example: 47.03922 N lat. / -122.89142 long. (Use decimal degrees - NAD 83)</li> </ul>			
46.972275 / -120.664029			
<b>5g.</b> List the tax parcel number(s) for the project location. <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>The local county assessor's office can provide this information.</li> </ul>			
635033			
<b>5h.</b> Contact information for all adjoining property owners. (If you need more space, use <a href="#">JARPA Attachment C.</a> ) <a href="#">[help]</a>			
Name	Mailing Address	Tax Parcel # (if known)	
Joseph Weyand	7121 Manastash Road		
	Ellensburg, WA 98926		
Luis Perez	7221 Manastash Road		
	Ellensburg, WA 98926		

**5i.** List all wetlands on or adjacent to the project location. [\[help\]](#)

NA

**5j.** List all waterbodies (other than wetlands) on or adjacent to the project location. [\[help\]](#)

Manastash Creek

**5k.** Is any part of the project area within a 100-year floodplain? [\[help\]](#)

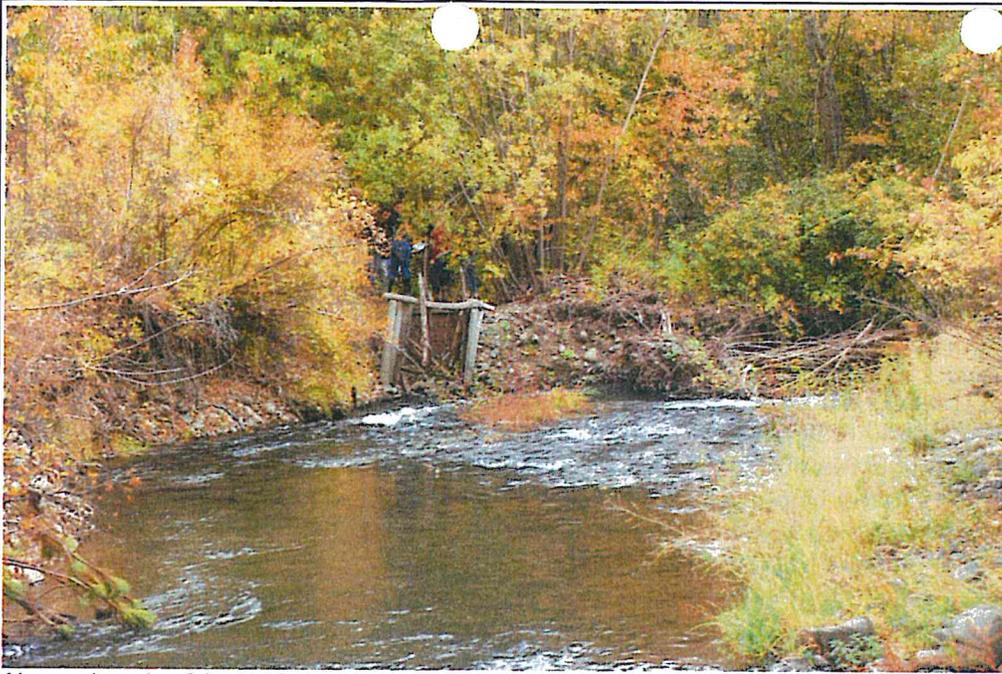
Yes     No     Don't know

**5l.** Briefly describe the vegetation and habitat conditions on the property. [\[help\]](#)

The Reed Diversion Dam includes a 0.1-mile-long incised reach downstream and a 0.2-mile-long aggraded reach upstream. This dam is approximately 6 feet high, and is the one remaining full barrier to upstream salmonid migration in Manastash Creek. The reach downstream is deeply incised because the diversion dam cutoff the natural supply of coarse sediment. The reach upstream has aggraded or filled with sediment because coarse sediment has been retained by the dam. The Hatfield Diversion is comprised of a wooden and concrete box headgate set in the left bank of Manastash Creek. Manastash Creek is an important tributary to the Upper Yakima River and is considered to be a spawning area for Mid-Columbia summer steelhead, a threatened species. Reed diversion is the last fish barrier on Manastash and once passage is restored will provide access to 20 miles of habitat upstream. Vegetation is comprised of native trees (cottonwood, pine, willows, mountain alder) and native shrubs (rose, red osier, ocean spray).



Above photo is the Reed diversion.



Above photo is of the Hatfield diversion.

**5m.** Describe how the property is currently used. [\[help\]](#)

The properties where the Reed and Hatfield diversions are located are used as rural residences associated out buildings, and some irrigated fields and livestock are located near the project area. The Reed and Hatfield Diversions are gravity irrigation diversions from Manastash Creek that are no longer expected to be utilized for water diversion. The Reed and Hatfield Diversions water rights point of diversion was relocated upstream to the already constructed "Consolidated Diversion". Those water rights are now delivered to the places of use via a pipeline to be completed in May 2014 jointly by the Kittitas County Conservation District and the US Bureau of Reclamation.

**5n.** Describe how the adjacent properties are currently used. [\[help\]](#)

Rural homes, associated out buildings, and some irrigated fields and livestock are located near the project area.

**5o.** Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [\[help\]](#)

The Reed diversion is a concrete structure with left and right bank wing wall, headgate and sill. The Hatfield Diversion is comprised of a wooden and concrete box headgate set in the left bank of Manastash Creek.

**5p.** Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

From I-90, take exit 106.  
 Head south S Thorp Hwy for 0.34 miles  
 Take 1st left onto Hanson Road, go 3.09 miles  
 Turn left on Cove Road, go 1.0 mile  
 Turn right on Manastash Road for about 1.0 mile  
 Project will be on right

## Part 6 - Project Description

**6a.** Briefly summarize the overall project. You can provide more detail in 6b. [\[help\]](#)

The Reed and Hatfield diversion removal and restoration is part of the Manastash Creek Restoration Project; a fish passage and screening and instream flow restoration project on the lower 6 miles of Manastash Creek. Manastash Creek is an important tributary to the Upper Yakima River and is considered to be a spawning area for Mid-Columbia summer steelhead, a threatened species. Reed diversion is the last fish barrier on Manastash and once passage is restored will provide access to 20 miles of habitat upstream.

The Reed and Hatfield Diversions are gravity irrigation diversions from Manastash Creek that are no longer expected to be utilized for water diversion. The Reed Diversion Dam includes a 0.1-mile-long incised reach downstream and a 0.2-mile-long aggraded reach upstream. This dam is approximately 6 feet high, and is the one remaining full barrier to upstream salmonid migration in Manastash Creek. The reach downstream is deeply incised because the diversion dam cutoff the natural supply of coarse sediment. The reach upstream has aggraded or filled with sediment because coarse sediment has been retained by the dam. The Hatfield Diversion is comprised of a wooden and concrete box headgate set in the left bank of Manastash Creek.

The Reed and Hatfield Diversions water rights point of diversion was relocated upstream to the already constructed "Consolidated Diversion". Those water rights are now delivered to the places of use via a pipeline to be completed in May 2014 jointly by the Kittitas County Conservation District and the US Bureau of Reclamation. The Reed diversion will be removed and a 350' roughened channel will be constructed to provide fish passage for all life stages of fishes and other aquatic organisms. The Hatfield diversion will be removed and backfilled with native alluvium and two root wads.

**6b.** Describe the purpose of the project and why you want or need to perform it. [\[help\]](#)

Manastash Creek is a valuable tributary to the Upper Yakima River with excellent habitat in its headwaters. The proposed project will remove Reed diversion, a major fish passage barrier to more than 20 miles of habitat, and remove the Hatfield diversion, an unscreened diversion, no longer in use. Upon project completion, the roughened channel will provide passage for all life stages of fishes and other aquatic organisms and access to 20 miles of excellent habitat.

**6c.** Indicate the project category. (Check all that apply.) [\[help\]](#)

- Commercial   
  Residential   
  Institutional   
  Transportation   
  Recreational  
 Maintenance   
 Environmental Enhancement

**6d.** Indicate the major elements of your project. (Check all that apply.) [\[help\]](#)

- |   |  |  |   |
|---|--|--|---|
| <input type="checkbox"/> Aquaculture        | <input type="checkbox"/> Culvert               | <input type="checkbox"/> Float               | <input type="checkbox"/> Retaining Wall<br>(upland) |
| <input type="checkbox"/> Bank Stabilization | <input checked="" type="checkbox"/> Dam / Weir | <input type="checkbox"/> Floating Home       | <input type="checkbox"/> Road                       |
| <input type="checkbox"/> Boat House         | <input type="checkbox"/> Dike / Levee / Jetty  | <input type="checkbox"/> Geotechnical Survey |   |

<input type="checkbox"/> Boat Launch	<input type="checkbox"/> Di	<input type="checkbox"/> Land Clearing	<input type="checkbox"/> Scientific
<input type="checkbox"/> Boat Lift	<input type="checkbox"/> Dock / Pier	<input type="checkbox"/> Marina / Moorage	<input type="checkbox"/> Measurement Device
<input type="checkbox"/> Bridge	<input type="checkbox"/> Dredging	<input type="checkbox"/> Mining	<input type="checkbox"/> Stairs
<input type="checkbox"/> Bulkhead	<input type="checkbox"/> Fence	<input type="checkbox"/> Outfall Structure	<input type="checkbox"/> Stormwater Facility
<input type="checkbox"/> Buoy	<input type="checkbox"/> Ferry Terminal	<input type="checkbox"/> Piling / Dolphin	<input type="checkbox"/> Swimming Pool
<input checked="" type="checkbox"/> Channel Modification	<input checked="" type="checkbox"/> Fishway	<input type="checkbox"/> Raft	<input type="checkbox"/> Utility Line
<input type="checkbox"/> Other:			

**6e.** Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [\[help\]](#)

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

The Reed and Hatfield diversions removal and restoration project will be within the 100 year flood plain. For the Reed project:

- The contractor shall provide a roughened channel sequencing plan for approval by the project representative with production rates and durations consistent with the type a WSDOT project schedule provided following execution of the contract. The sequencing plan shall be accepted by the project representative prior to commencement of construction and or delivery of materials to the site.
- Anticipated sequencing (note, does not include all items of work)
  - Install TESC, creek bypass/water management, conduct fish rescue with WDFW.
  - Clear and grub. Salvage streambed material
  - Remove Reed diversion structure
  - Excavate to subgrade
  - Import roughened channel materials and place
  - Work from downstream to upstream placing roughened channel materials
    - Place roughened channel materials in horizontal bands (10-20ft depending on equipment reach) to allow placement of material without equipment accessing over any placed material.
    - Contractor may elect to place streambed material first then locally excavate for structural boulders or place structural boulders and backfill with streambed material. When boulders are placed first some localized streambed material placement shall be required to ensure that approximately 1/3 of the structural boulder diameter protrudes above the average stream grade.
    - Construct a low flow channel at low point of cross section as directed by project representative (contractor may elect to construct low flow following sluicing however a second sluicing will then be required to work in the low flow channel)
    - Sluice placed material to settle into voids. Continue sluicing the full width of the band with construction water pumped from the downstream portion of the project (higher fines content) until the sediment no longer settles and pumped water does not infiltrate the streambed surface as directed by project representative.
    - Verify acceptance of completed band with project representative.
    - Commence construction of the next band immediately upstream.
- Construct the channel banks (shall be constructed during construction of streambed or from the top of the bank following streambed construction when accessible from the right bank). The portion of right bank, bank boulders

identified on dwg C-5 may be placed following completion of all streambed alterations and diversion removal to allow access from the bank.

4. Remove water management facilities

5. Finish grade the site (backfill top of bank, reed ditch, any temporary modifications made during staging/access.

6. Install permanent erosion control (seed, mulch, erosion control blanket) and remove TESC measures.

For Hatfield:

1. Anticipated sequencing (note, does not include all items of work)

a. Install TESC and water management. Complete fish rescue if needed

b. Clear and grub.

c. Remove Hatfield diversion structure

d. Following removal of the diversion, place 2 logs with the bottom of the log bole flush with the adjacent channel bottom. Backfill over logs with salvaged native alluvium, flush with adjacent floodplain.

e. Remove water management facilities

g. Finish grade the site (backfill top of bank, Hatfield ditch, any temporary modifications made during staging/access.

h. Install permanent erosion control (seed, mulch, erosion control blanket) and remove TESC measures.

**6f.** What are the anticipated start and end dates for project construction? (Month/Year) [\[help\]](#)

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Start Date: 07/15/2016

End Date: 02/15/2019

See JARPA Attachment D

**6g.** Fair market value of the project, including materials, labor, machine rentals, etc. [\[help\]](#)

\$350,000

**6h.** Will any portion of the project receive federal funding? [\[help\]](#)

- If yes, list each agency providing funds.

Yes  
USFWS     No     Don't know

## Part 7 - Wetlands: Impacts and Mitigation

Check here if there are wetlands or wetland buffers on or adjacent to the project area.

(If there are none, skip to Part 8) [\[help\]](#)

**7a.** Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [\[help\]](#)

Not applicable

**7b.** Will the project impact wetlands? [\[help\]](#)

Yes     No     Don't know

**7c.** Will the project impact wetland buffers? [\[help\]](#)

Yes       No       Don't know

**7d.** Has a wetland delineation report been prepared? [\[help\]](#)

- If Yes, submit the report, including data sheets, with the JARPA package.

Yes       No

**7e.** Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [\[help\]](#)

- If Yes, submit the wetland rating forms and figures with the JARPA package.

Yes       No       Don't know

**7f.** Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [\[help\]](#)

- If Yes, submit the plan with the JARPA package and answer 7g.
- If No, or Not applicable, explain below why a mitigation plan should not be required.

Yes       No       Not applicable

**7g.** Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

**7h.** Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [\[help\]](#)

Activity (fill, drain, excavate, flood, etc.)	Wetland Name <sup>1</sup>	Wetland type and rating category <sup>2</sup>	Impact area (sq. ft. or Acres)	Duration of Impact <sup>3</sup>	Proposed mitigation type <sup>4</sup>	Wetland mitigation area (sq. ft. or acres)

<sup>1</sup> If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

<sup>2</sup> Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

<sup>3</sup> Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

<sup>4</sup> Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: \_\_\_\_\_

**7i.** For all filling activities identified in 7h, describe the source and nature of fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [\[help\]](#)

**7j.** For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

## Part 8 - Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [\[help\]](#)

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

**8a.** Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [\[help\]](#)

Not applicable

The proposed project has been designed to optimize passage for all aquatic organisms, provide suitable habitat for aquatic insects, and minimize temporary impacts associated with construction. The project has been planned for a time of year when there are not likely to be any incubating salmonids or redds nearby and when there are not likely to be spawning salmonids in the project area. The project is planned to occur during low flow conditions; reducing the disturbance necessary to ensure that the project work area is effectively dewatered. Dewatering the work areas will minimize risks to fish life within the work area and downstream by minimizing turbidity associated with construction. All fines associated with this project will be washed into the bed to minimize turbidity associated with rewatering the work area.

**8b.** Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

Yes       No

**8c.** Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [\[help\]](#)

- If Yes, submit the plan with the JARPA package and answer 8d.
- If No, or Not applicable, explain below why a mitigation plan should not be required.

Yes       No       Not applicable

This is a habitat enhancement project and there is no compensatory mitigation plan associated with it. The upper Manastash Watersheds mostly has high quality salmonid spawning and rearing habitat. This project will provide fish passage for all life stages and all species. The project is self-mitigating because it is a habitat improvement project, the BMP's followed during construction, timing of the project, following CM's in Restoration BiOp, and the project worked directly with the regulatory agencies (WDFW, Ecology, NMFS, USFWS) through all stages of planning and design.

**8d.** Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan. [\[help\]](#)

- If you already completed 7g you do not need to restate your answer here. [\[help\]](#)

This is a habitat enhancement project and there is no compensatory mitigation plan associated with it. The upper Manastash Watersheds mostly has high quality salmonid spawning and rearing habitat. This project will provide fish passage for all life stages and all species. The project is self-mitigating because it is a habitat improvement project, the BMP's followed during construction, timing of the project, following CM's in Restoration BiOp, and the project worked directly with the regulatory agencies (WDFW, Ecology, NMFS, USFWS) through all stages of planning and design.

**8e.** Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name <sup>1</sup>	Impact location <sup>2</sup>	Duration of impact <sup>3</sup>	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Clearing	Manastash Creek	South Bank Reed	Temporary until vegetation re-establishes	NA	200 linear feet
Clearing	Manastash Creek	North Bank Hatfield	Temporary until vegetation re-establishes	NA	10 Sq. yards
Fill sandbags	Manastash Creek	In channel, banks	Temporary	100each 1 cu ft sand bags	100 linear feet
Excavate/Dredge	Manastash Creek	In channel, banks	Permanent	4600 CY native alluvium (Reed) 60 CY concrete (Reed) 3 CY concrete (Hatfield) 50 CY salvage riprap (Reed)	Approx 12,000 sq ft, 400 linear ft
Fill	Manastash Creek	In channel and banks	Permanent	50 CY native alluvium (Hatfield) 80 CY native alluvium Reed ditch fill 270 CY native backfill top banks (Reed)	Approx 12,000 sq ft, 400 linear ft

				600 C 2-5 ft diameter boulders (Reed) 440 CY streambed cobble (Reed) 440 CY salvaged streambed (Reed) 830 CY class C bank boulders (Reed) 240 CY quarry spalls (Reed) 240 CY salvaged alluvium for bedding mix (Reed)	
--	--	--	--	--	--

<sup>1</sup> If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.

<sup>2</sup> Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

<sup>3</sup> Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

**8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [help]**

Clearing: Riparian vegetation will be cleared and grubbed on the south bank of Reed and the north bank of Hatfield. Existing trees and shrubs will be salvaged as much as possible during implementation and an estimated 20 cottonwood, willow and/or Red osier dogwood will be salvaged and replanted onsite.

Fill: Up to 100 1 cu ft sandbags will be temporarily placed in Manastash Creek at any given time and at either site during implementation. These will be used to temporarily dewater sections of the creek where work will occur. Sand will be obtained from local quarries and/or the native alluvium will be used to fill some of the bags. Sandbag material may be incorporated into the roughened channel construction to fill the voids.

Excavate/Dredge: Approximately 4,700 cubic yards of streambed material (native alluvium, existing riprap, and reinforced concrete) will be removed from the channel bed and banks during implementation. Streambed material and riprap will be separated and stockpiled for incorporation into the roughened channel design.

Fill: Approximately 130 cubic yards of native streambed materials will be incorporated back into the design of the roughened channel, either in fine material to fill the voids of the large angular rock, or as gravels and cobbles on top of the constructed channel. If there is excess fine material, it may be hauled off site to a suitable disposal site, but gravels and cobbles from the streambed will be incorporated into the design. All native material will be washed into the channel to minimize turbidity upon channel rewatering.

About 270 cubic yards of native backfill will be used at the top of banks at Reed.

About 240 cubic yards of quarry spalls will be trucked in from a local source to mix into the bedding mix.

Approximately 1430 cubic yards of large angular rock (2-5') and class C boulders will be incorporated into the roughened channel design. The fine material from channel excavation will be used to fill the voids between the boulders and help seal the bed.

Approximately 440 cubic yards of streambed cobble will be used in the Reed constructed channel mix.

About 680 cubic yards of salvaged streambed alluvium will be used in the Reed constructed channel mix.

**8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [help]**

A tracked excavator, or similar piece of equipment, will be used for excavation of the streambed materials. Work will occur from the banks and in dewatered sections as much as possible to minimize in-water work. Excavated material will be sorted and stored on site for use in the reconstructed channel. Concrete, metal and other debris will be hauled offsite and disposed of in a suitable location; material will be recycled if possible.

## Part 9 - Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

**9a.** If you have already worked with any government agencies on this project, list them below. [\[help\]](#)

Agency Name	Contact Name	Phone	Most Recent Date of Contact
WDFW	Brent Renfrow, Jennifer Nelson	509-925-1013	7/15/16
USFWS	Richard Visser	509-575-5848	7/3/16
NMFS	Aaron Beavers	Through USFW	Spring 2016

**9b.** Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [\[help\]](#)

- If Yes, list the parameter(s) below.
- If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: <http://www.ecy.wa.gov/programs/wq/303d/>.

Yes     No

Instream flow, bacteria, dissolved oxygen, pH

**9c.** What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [\[help\]](#)

- Go to <http://cfpub.epa.gov/surf/locate/index.cfm> to help identify the HUC.

Manastash Creek (HUC 17030002)

**9d.** What Water Resource Inventory Area Number (WRIA #) is the project in? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm> to find the WRIA #.

39

**9e.** Will the in-water construction w  comply with the State of Washington  ter quality standards for turbidity? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/programs/wq/swqs/criteria.html> for the standards.

Yes     No     Not Applicable

**9f.** If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [\[help\]](#)

- If you don't know, contact the local planning department.
- For more information, go to: [http://www.ecy.wa.gov/programs/sea/sma/laws\\_rules/173-26/211\\_designations.html](http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html).

Rural     Urban     Natural     Aquatic     Conservancy     Other: \_\_\_\_\_

**9g.** What is the Washington Department of Natural Resources Water Type? [\[help\]](#)

- Go to [http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp\\_watertyping.aspx](http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) for the Forest Practices Water Typing System.

Shoreline     Fish     Non-Fish Perennial     Non-Fish Seasonal

**9h.** Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [\[help\]](#)

- If No, provide the name of the manual your project is designed to meet.

Yes     No

Name of manual: Stormwater Management Manual for Eastern Washington

**9i.** Does the project site have known contaminated sediment? [\[help\]](#)

- If Yes, please describe below:

Yes     No

**9j.** If you know what the property was used for in the past, describe below. [\[help\]](#)

The surrounding property has been used for agriculture and rural residences in the past.

**9k.** Has a cultural resource (archaeological) survey been performed on the project area? [\[help\]](#)

- If Yes, attach it to your JARPA package.

Yes     No

**9l.** Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

Middle Columbia River Steelhead  
Columbia River Bull Trout

**9m.** Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [\[help\]](#)

Resident *Oncorhynchus mykiss* (rainbow trout) would be affected during in-water work at this location. No other PHS species are likely to be affected by the proposed action.

## Part 10 - SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.oria.wa.gov/opas/>.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or [help@oria.wa.gov](mailto:help@oria.wa.gov).
- For a list of addresses to send your JARPA to, click on [agency addresses for completed JARPA](#).

**10a.** Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [\[help\]](#)

- For more about SEPA, go to [www.ecy.wa.gov/programs/sea/sepa/e-review.html](http://www.ecy.wa.gov/programs/sea/sepa/e-review.html)

A copy of the SEPA determination or letter of exemption is included with this application.

A SEPA determination is pending with \_\_\_\_\_ (lead agency). The expected decision date is \_\_\_\_\_.

I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b) [\[help\]](#)

This project is exempt (choose type of exemption below).

Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?  
\_\_\_\_\_.

Other: \_\_\_\_\_

SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [help]

**LOCAL GOVERNMENT**

**Local Government Shoreline permits:**

- Substantial Development       Conditional Use       Variance  
 Shoreline Exemption Type (explain):      WAC 173-27-040 (2) (p) Fish Passage/Habitat Enhancement

**Other City/County permits:**

- Floodplain Development Permit       Critical Areas Ordinance

**STATE GOVERNMENT**

**Washington Department of Fish and Wildlife:**

- Hydraulic Project Approval (HPA)       Fish Habitat Enhancement Exemption - Attach Exemption Form

You must submit a check for \$150 to Washington Department of Fish and Wildlife, unless your project qualifies for an exemption or alternative payment method below. **Do not send cash.**

Check the appropriate boxes:

- \$150 check enclosed. Check #:      Paid online with credit card.

Attach check made payable to Washington Department of Fish and Wildlife

- My project is exempt from the application fee. (Check appropriate exemption) \_\_\_\_\_  
 HPA processing is conducted by applicant-funded WDFW staff.  
    Agreement # \_\_\_\_\_  
 Mineral prospecting and mining.  
 Project occurs on farm and agricultural land.  
    (Attach a copy of current land use classification recorded with the county auditor, or other proof of current land use.)  
 Project is a modification of an existing HPA originally applied for, prior to July 10, 2012.  
    HPA # \_\_\_\_\_

**Washington Department of Natural Resources:**

- Aquatic Use Authorization  
    Complete JARPA Attachment E and submit a check for \$25 payable to the Washington Department of Natural Resources.  
    **Do not send cash.**

**Washington Department of Ecology:**

- Section 401 Water Quality Certification

**FEDERAL GOVERNMENT**

**United States Department of the Army permits (U.S. Army Corps of Engineers):**

- Section 404 (discharges into waters of the U.S.)       Section 10 (work in navigable waters)

**United States Coastal Guard permits:**

- Private Aids to Navigation (for non-bridge projects)

## Part 11 - Authorizing Signature

Signatures are required before submitting the JARPA package. the JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

### 11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. AL (Initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. AL (Initial)

Anna Lael

Applicant Printed Name



Applicant Signature

7/18/2016

Date

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Sherry Swanson

Authorized Agent Printed Name



Authorized Agent Signature

7/18/2016

Date

### 11c. Property Owner Signature (if not applicant). [\[help\]](#)

Not required if project is on existing rights-of-way or easements.

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

William Allenbaugh

Property Owner Printed Name

SEE ATTACHED LANDOWNER CONSENT FORM

Property Owner Signature

Date

18 U.S.C 1001 provides that: Whoever, in any manner within the jurisdiction of any department of agency of the United States knowingly falsifies, conceals, or covers up any trick, scheme, or devise a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ENV-019-09 rev. 09/2015



US Army Corps of Engineers  
Seattle District

# WASHINGTON STATE Joint Aquatic Resources Permit Application (JARPA) [\[help\]](#)

AGENCY USE ONLY

Date Received:

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

## Attachment B:

### For additional project location(s) [\[help\]](#)

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: Reed and Hatfield Diversion  
Removal and Restoration Project

Location Name (if applicable): Hatfield D...  
iversion Removal and Restoration

Use this attachment only if you have more than one project location.

Use a separate form for each additional location.

Use black or blue ink to enter answers in white spaces below.

1. Indicate the type of ownership of the property. (Check all that apply.) [\[help\]](#)

- Private
- Federal
- Publicly owned (state, county, city, special districts like schools, ports, etc.)
- Tribal
- Department of Natural Resources (DNR) - managed aquatic lands (Complete [JARPA Attachment E](#))

2. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 16.) [\[help\]](#)

7501 Manastash Road,

3. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [\[help\]](#)

Ellensburg, WA 98926

4. County [\[help\]](#)

Kittitas

5. Provide the section, township, and range for the project location. [\[help\]](#)

1/4 Section	Section	Township	Range
	11	17 N	17 E

6. Provide the latitude and longitude of the project location. [\[help\]](#)

- Example: 47.03922 N lat. / -122.89142 long. (Use decimal degrees - NAD 83)

46.971204 / -120.671927

7. List the tax parcel number(s) for the project location. [\[help\]](#)

- The local county assessor's office can provide this information.

825033

**8. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]**

Name	Mailing Address	Tax Parcel # (if known)
Don Wrigley	8921 Manastash Road Ellensburg, WA 98926	

**9. List all wetlands on or adjacent to the project location. [help]**

NA

**10. List all waterbodies (other than wetlands) on or adjacent to the project location. [help]**

Manastash Creek

**11. Is any part of the project area within a 100-year floodplain? [help]**

Yes       No       Don't know

**12. Briefly describe the vegetation and habitat conditions on the property. [help]**

The Hatfield Diversion is comprised of a wooden and concrete box headgate set in the left bank of Manastash Creek. Manastash Creek is an important tributary to the Upper Yakima River and is considered to be a spawning area for Mid-Columbia summer steelhead, a threatened species. Vegetation is comprised of native trees (cottonwood and willows) and native shrubs (rose, red osier, ocean spray).

**13. Describe how the property is currently used. [help]**

The properties where the Reed and Hatfield diversions are located are used as rural residences associated out buildings, and some irrigated fields and livestock are located near the project area. The Reed and Hatfield Diversions are gravity irrigation diversions from Manastash Creek that are no longer expected to be utilized for water diversion. The Reed and Hatfield Diversions water rights point of diversion was relocated upstream to the already constructed "Consolidated Diversion". Those water rights are now delivered to the places of use via a pipeline to be completed in May 2014 jointly by the Kittitas County Conservation District and the US Bureau of Reclamation.

**14.** Describe how the adjacent properties are currently used. [\[help\]](#)

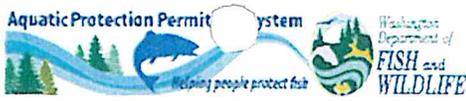
Rural homes, associated out buildings, and some irrigated fields and livestock are located near the project area.

**15.** Describe the structure (above and below ground) on the property, including their purpose(s). [\[help\]](#)

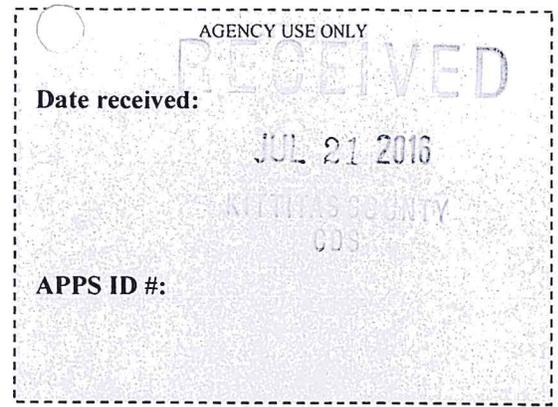
The Hatfield Diversion is comprised of a wooden and concrete box headgate set in the left bank of Manastash Creek.

**16.** Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

From I-90, take exit 106.  
Head south S Thorp Hwy for 0.34 miles  
Take 1st left onto Hanson Road, go 3.09 miles  
Turn left on Cove Road, go 1.0 mile  
Turn right on Manastash Road for about 1.40 miles  
Turn right onto KRD South Branch gravel road  
Go about 0.1 mile on KRD SB road, project will be on right



**WASHINGTON STATE  
Aquatic Protection Permitting System  
(APPS)**



**Consent of Property Owner**

Use this attachment only if the applicant is not the property owner. Complete one attachment for each property owner impacted by the project. Upload completed form(s) in APPS or mail to the WDFW address provided by APPS during your application process.

My project occurs on public lands (Complete only items #1 and #2 below).

<b>1. APP ID# (See APPS application receipt)</b>			
7696			
<b>2. Business or Government Agency Name (if applicable)</b>			
<b>3. First Name</b>		<b>4. Middle Name</b>	<b>5. Last Name</b>
William and Courtney			Allenbaugh
<b>6. Address 1</b>			
7091 Manastash Road			
<b>7. Address 2</b>			
<b>8. City</b>		<b>9. State</b>	<b>10. Zip</b>
Ellensburg		WA	98926
<b>11. Primary Phone</b>	<b>12. Ext.</b>	<b>13. Mobile Phone</b>	<b>14. FAX</b>
(509) 962-1071		(   )	(   )
<b>15. E-mail</b>			
<b>16. Signature of Property Owner</b>			
I consent to Washington Department of Fish and Wildlife staff entering the property where the project is located to inspect the project site or any work related to the project.			
 Printed Name		 Signature	
Date Signed: 7-6-16			



**WASHINGTON STATE**  
**Aquatic Protection Permitting System**  
**(APPS)**

AGENCY USE ONLY

Date received:

APPS ID #:

**Consent of Property Owner**

Use this attachment only if the applicant is not the property owner. Complete one attachment for each property owner impacted by the project. Upload completed form(s) in APPS or mail to the WDFW address provided by APPS during your application process.

My project occurs on public lands (Complete only items #1 and #2 below).

<b>1. APP ID# (See APPS application receipt)</b>			
7696			
<b>2. Business or Government Agency Name (if applicable)</b>			
<b>3. First Name</b>		<b>4. Middle Name</b>	
Joseph and Marsha			
<b>5. Last Name</b>			
Weyand			
<b>6. Address 1</b>			
7121 Manastash Road			
<b>7. Address 2</b>			
<b>8. City</b>		<b>9. State</b>	
Ellensburg		WA	
<b>10. Zip</b>			
98926			
<b>11. Primary Phone</b>	<b>12. Ext.</b>	<b>13. Mobile Phone</b>	<b>14. FAX</b>
(    )		(    )	(    )
<b>15. E-mail</b>			
<b>16. Signature of Property Owner</b>			
I consent to Washington Department of Fish and Wildlife staff entering the property where the project is located to inspect the project site or any work related to the project.			
JOSEPH WEYAND			
Printed Name		Signature	
<b>Date Signed:</b> 6/30/16			



**WASHINGTON STATE  
Aquatic Protection Permitting System  
(APPS)**

**Consent of Property Owner**

Use this attachment only if the applicant is not the property owner. Complete one attachment for each property owner impacted by the project. Upload completed form(s) in APPS or mail to the WDFW address provided by APPS during your application process.

AGENCY USE ONLY

Date received:

APPS ID #:

My project occurs on public lands (Complete only items #1 and #2 below).

**1. APP ID# (See APPS application receipt)**

7696

**2. Business or Government Agency Name (if applicable)**

**3. First Name**

**4. Middle Name**

**5. Last Name**

Mitchell

Williams

**6. Address 1**

7501 Manastash Road

**7. Address 2**

**8. City**

**9. State**

**10. Zip**

Ellensburg

WA

98926

**11. Primary Phone**

**12. Ext.**

**13. Mobile Phone**

**14. FAX**

(509) 899-0168

( )

( )

**15. E-mail**

**16. Signature of Property Owner**

I consent to Washington Department of Fish and Wildlife staff entering the property where the project is located to inspect the project site or any work related to the project.

Access will be granted through December 31, 2017. Access will be arranged through KCCD.

Printed Name

Signature

# Application for Streamlined Processing of FISH HABITAT ENHANCEMENT PROJECTS Addition to the Joint Aquatic Resources Permit Application (JARPA)

Page 1

Under RCW 77.55.181 you may qualify for a streamlined permit process with no local government fees if your project is designed to enhance fish habitat. If your project meets the requirements below, you are entitled to the streamlined Hydraulic Project Approval (HPA) process, exemption from the State Environmental Policy Act (SEPA), and exemption from all local government permits and fees. To apply for the exemption process, you must provide, on the same day, a complete application package to: the Department of Fish and Wildlife (WDFW) and all applicable local government planning and permitting departments. Local governments have 15 days to provide comments to WDFW to aid it in deciding whether your project qualifies (see below for details).

*To QUALIFY for the fish habitat enhancement exemption you must check at least one each from A and B and provide a letter of approval from one of the agencies listed in B. It is highly recommended you discuss your proposal with the local Habitat Biologist prior to submitting your application.*

A) My project (check all that apply):

- Removes a **human-made or caused** fish passage barrier.
- Restores an eroded or unstable stream bank using **bioengineering techniques**.
- Places woody debris or other in-stream structures that **benefit naturally reproducing fish stocks**.

JUL 21 2016

KITTITAS COUNTY

B) My project is approved by (check all that apply):

- WDFW's Salmon Enhancement, or Volunteer Cooperative Fish and Wildlife Enhancement Programs.
- The sponsor of a watershed restoration plan as provided in chapter 89.08RCW.
- WDFW, as a department-sponsored fish enhancement or restoration project.
- Conservation District, where the project complies with design standards established by the Conservation Commission through interagency agreement with the United States Fish and Wildlife Service and the Natural Resource Conservation Service.
- A formal grant program established by the legislature or the Department of Fish and Wildlife for fish habitat enhancement or restoration.
- The Washington State Department of Transportation's environmental retrofit program as a stand-alone fish passage barrier correction project.
- A local, state, or federally approved fish barrier removal grant program designed to assist local governments in implementing stand-alone fish passage barrier corrections.
- A city or county for a stand-alone fish passage barrier correction project funded by the city or county.

*To APPLY for the Exemption, submit a complete application package consisting of the following documents to the local government planning department and WDFW. Indicate below which local government agency you are sending your application to and when you are sending it.*

Required application materials:

- This addition to the JARPA.
- A completed JARPA (use the most recent version of JARPA).
- Payment of HPA application fee of \$150 (submit ONLY to Washington Department of Fish and Wildlife).
- Plan drawings (no larger than 11 x 17 format).
- Letter of approval of your specific project from one of the agencies listed in B, above.

*I am sending my application to the following local government planning department:*

xx/xx/20xx

Kittitas County, Community Development Services

on: 07/18/2016 (Date)

**Continued on back of page**



**Application for Streamlined Processing of  
FISH HABITAT ENHANCEMENT PROJECTS  
Addition to the Joint Aquatic Resources Permit Application (JARPA)  
Page 2**

**PLEASE NOTE:**

- In addition to applying for this streamlined processing, you need to apply for all other applicable Federal and State permits identified in the JARPA.
- If WDFW determines that your project meets the fish habitat enhancement exemption criteria, SEPA and all local government permits and fees are waived. WDFW will process your HPA within 45 days of receiving your complete application.
- If significant concerns are raised during the 15-day comment period regarding adverse impacts from your project that cannot be addressed through HPA conditions, WDFW may determine that the project does not qualify for the exemption process. If WDFW makes that decision, you may re-apply to WDFW, the applicable local government, and any other applicable permitting agency for approval under the full permitting process. If WDFW determines that your project does NOT qualify for the exemption, or if your application is incomplete, you and the local government planning department will be notified.

**Applicant Name:**

Kittias County Conservation District, Anna Lael, District Manager

## Sherry Swanson

---

**From:** Squeochs, Danielle (ECY) <daja461@ECY.WA.GOV>  
**Sent:** Monday, July 18, 2016 12:55 PM  
**To:** Anna Lael; Sherry Swanson  
**Cc:** Schuppe, Mark (ECY)  
**Subject:** Reed diversion removal - streamline permit process

Hi Sherry,

This email is to document our support of the Kittitas County's Conservation District's project to remove and restore fish passage at the Reed and Hatfield diversions on Manastash Creek and the use of the Application for Streamlined Processing of Fish Habitat Enhancement Projects. Manastash Creek has been identified as a priority tributary for salmonid restoration in the Upper Yakima Basin and the proposed project is supported by numerous local and regional agencies. The Reed diversion is the last fish barrier on Manastash Creek and once passage is restored will provide access to 20 miles of quality habitat in the upper watershed. The removal and restoration project is approved by a formal grant program established by the legislature through the Yakima Basin Integrated Plan which is funded through a Department of Ecology grant with the Kittitas County Conservation District, grant contract WROCR-VER1-KittCD-00003. Please let me know if any additional documentation is required.

Have a great day,

Danielle Squeochs (Project Manager)

Danielle Jansik Squeochs, PhD, LHg | Environmental Engineer, Office of Columbia River Department of Ecology|Central Regional Office  
1250 West Alder Street, Union Gap, WA 98903 Direct 509.454.4242 | Main 509.575.2490 | Fax 509.575.2809

RECEIVED

JUL 21 2016

WATER QUALITY  
CDs



# Planting Plan

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**Location:** Reed and Hatfield Diversions; Manastash Creek

**Project Date/Planting Date:** October/November 2016

**Brief Summary:** As part of the Manastash Creek Restoration Project, the Kittitas County Conservation District plans to decommission and restore fish passage at the Reed and Hatfield diversions. Funding for the project is through the Washington State Department of Ecology and the United States Fish and Wildlife Services. The Reed and Hatfield Diversions are gravity irrigation diversions from Manastash Creek that are no longer expected to be utilized for water diversion. The Reed Diversion Dam includes a 0.1-mile-long incised reach downstream and a 0.2-mile-long aggraded reach upstream. This dam is approximately 6 feet high, and is the one remaining full barrier to upstream salmonid migration in Manastash Creek. The reach downstream is deeply incised because the diversion dam cutoff the natural supply of coarse sediment. The reach upstream has aggraded or filled with sediment because coarse sediment has been retained by the dam. The Hatfield Diversion is comprised of a wooden and concrete box headgate set in the left bank of Manastash Creek.

The project plans to remove the existing Reed Ditch and Hatfield Ditch headgates, re-establish a continuous channel grade through the existing Reed Ditch dam location, providing access to 20 miles of habitat to listed Mid-Columbia steelhead. The Reed point of diversion is located on the Manastash Creek at stream mile 4.8 and Hatfield point of diversion is located at stream mile 5.3.

The Reed and Hatfield Diversions water rights point of diversion was relocated upstream to the already constructed "Consolidated Diversion". Those water rights are now delivered to the places of use via a pipeline to be completed in May 2014 jointly by the Kittitas County Conservation District and the US Bureau of Reclamation.

The design for the Reed diversion includes removing the existing diversion structure consisting of concrete sill, wing walls and head gates. A cascade roughened channel will be construction to provide fish passage once the diversion is removed. The roughened channel will be 350 feet long by 35 to 45 feet wide with a 3.3% grade. The entrance to the Reed ditch will be filled as part of the roughened channel design. All disturbed areas will be restored and reseed and/or replanted with native species.

The Hatfield diversion wooden and concrete structure will be removed. Once removed, the area will be filled with rock and native fill material. All disturbed areas will be restored and reseed and/or replanted with native species.

**Restoration Plan:** *Hatfield diversion* is the smaller of the two projects and therefore will have a less disturbed area. Once construction is complete, the area will be re-planted with native trees and shrubs. The area immediately along the water, near the ordinary high water mark, will be live staked with Red Osier Dogwood, Black Cottonwood and Coyote Willow. These stakes will be harvested locally. Each stake is about 2 feet in length, and no thicker than 1". These will be placed at a density of 2 stakes per foot for the entire waterline area for a total of 200 live stakes. The majority of the live stakes will be planted as the roughened channel is finalized. The access road is through pasture land and this will be hydro-seeded with a pasture seed mixture by the contractor once construction is complete. The upland planting area is going to be planted with

60 native trees and shrubs about 6 inches tall planted at 6' x 6' spacing. These will be Quaking Aspen, Black Cottonwood, Woods Rose, Snowberry, Douglas Maple, Ocean Spray, Thimble Berry and Golden Currant (dependent on availability). This will restore the riparian area to its natural state.

*Reed diversion* is a larger project and will require more extensive planting. There will be disturbance of BOTH sides of the creek at this site. The planting in this area will be the same as at Hatfield with 1100 live stakes along the ordinary high water level on BOTH sides of the creek. In addition to the live stakes, the contractor will salvage and replant 20 willow, cottonwood and/or red osier dogwood as clump plantings. The upland planting is going to be comprised of the same species (dependent on availability). This large site will be planted with 500 trees and shrubs which will be planted at 6' x 6' spacing. The exact access to this site is yet to be determined, however, it will be hydro-seeded by the contractors as well upon completion.

**Planting Work / Labor:** Most of the planting will be done by a Washington Conservation Corps 6-person crew. It will likely take 2 days to harvest all the live stakes (1300 total) and 5 days to install all the plants and live stakes. The upland plantings are going come as bare-root or in container pots from local native nurseries. All the upland plantings will have a 3' x 3' weed mat placed around them as well as browse guards. These will all be installed with hand tools (shovels, picks) and watered thoroughly immediately after planting.

The live stakes will be installed by both the WCC and by coordinating with the contractors as they place the roughened channel. The WCC will install most of the live stakes just prior to finishing the roughened channel which will allow for easier installation and more plant success. The WCC will install them in holes dug by the contractor, then placing the cutting into the hole so that less than half the cutting is showing above ground. In addition to the live stakes, the contractor will salvage and replant 20 willow, cottonwood and/or red osier dogwood as clump plantings. Placing the live stakes and clump plantings in before the final roughened channel will make the job easier and lead to more plant success. The cutting and clump planting will reach wet soil in order to be successful.

**Bare Root / Potted Plants:** Total for both sites: *560 bare root / potted plants*

-100 Quaking Aspen

-60 Black Cottonwood

-100 Woods Rose

-100 Snow Berry

-20 Douglas Maple

-60 Ocean Spray

-60 Thimble Berry

-60 Golden Currant

\*Totals and exact species are subject to nursery availability.

**Live stakes (cuttings):** *Total for both sites: 1,100*

-450 Red Osier Dogwood

-450 Native Willow (Arroyo, Coyote, Peach leaf, short fruited)

-200 Black Cottonwood

**Maintenance:**

The WCC and KCCD staff will perform routine maintenance with permission of the landowner. Depending on the weather, regular watering (up to twice a week) may occur with the use of a 1.5" Gas Honda water pump and sprinklers. The weed mats around the plantings should hold back weeds, however hand pulling and trimming weeds with a power trimmer will be required (up to 5 times during the summer). Once the plantings appear to be growing strong (1-3 years), the browse guards will be removed as well as the weed matting (up to 3 years). Additional plantings may be installed if requested or necessary (extreme drought / flood event).

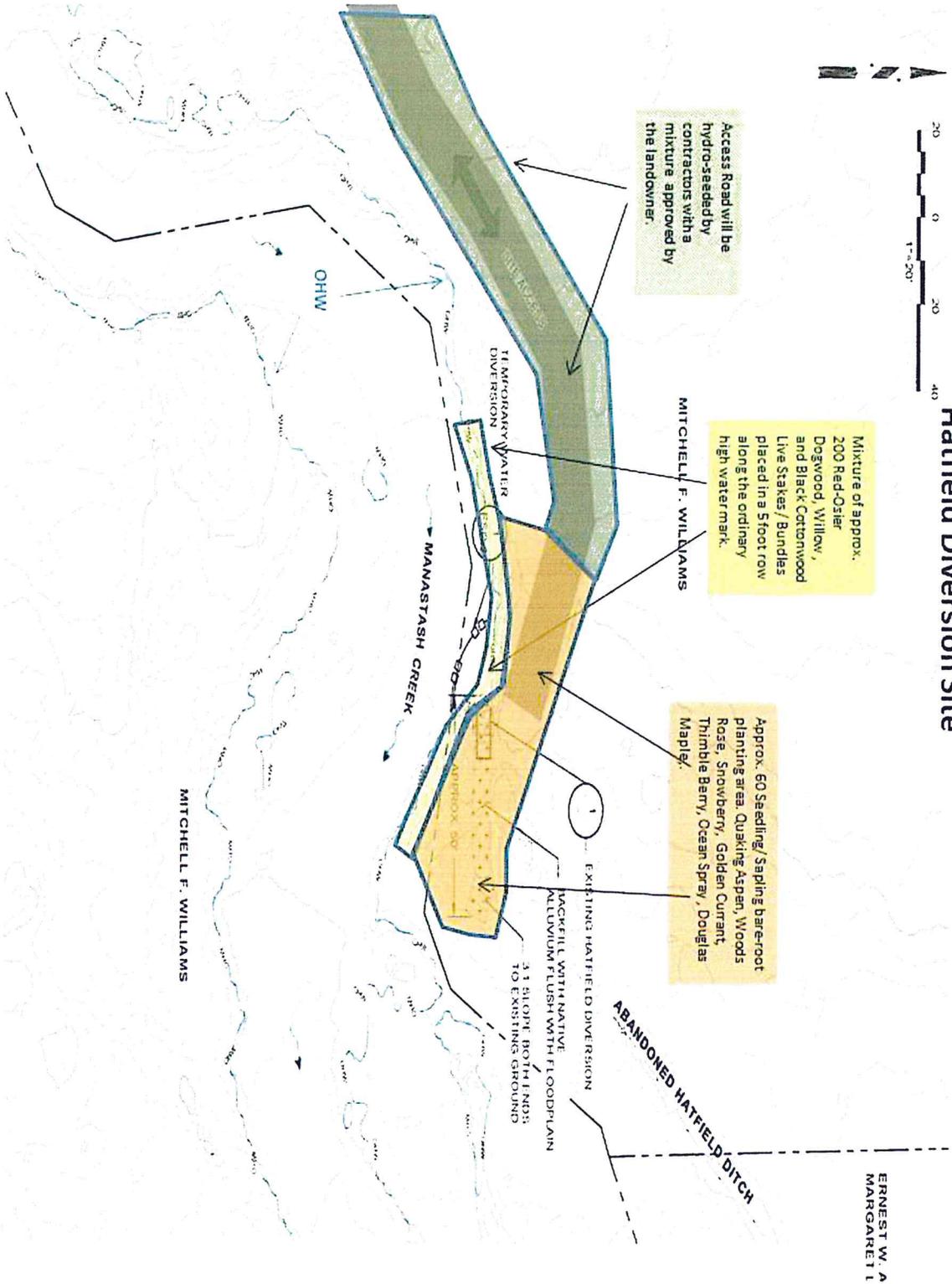
# Hatfield Diversion Site



Access Road will be hydro-seeded by contractors with a mixture approved by the landowner.

Mixture of approx. 200 Red-Osier Dogwood, Willow, and Black-Cottonwood Live Stakes/ Bundles placed in a 5 foot row along the ordinary high water mark.

Approx. 60 Seeding/ Sapling bare-root planting area. Quaking Aspen, Woods Rose, Snowberry, Golden Currant, Thimble Berry, Ocean Spray, Douglas Maple.



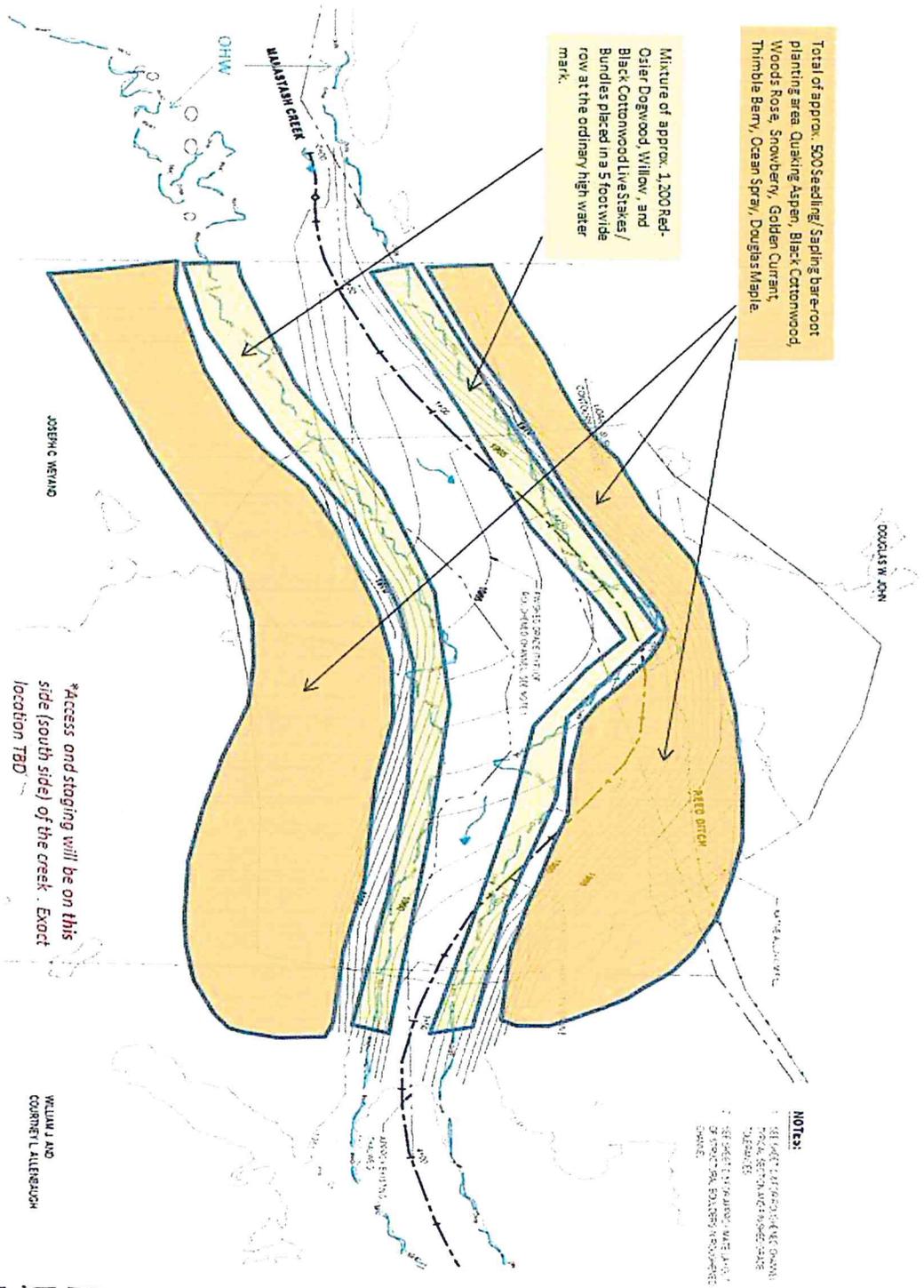
MITCHELL F. WILLIAMS

ERNEST W. A. MARGARET I

# Reed Diversion Site

Total of approx. 500 Seedling/Sapling bare-root planting area: Quaking Aspen, Black Cottonwood, Woods Rose, Snowberry, Golden Currant, Thimble Berry, Ocean Spray, Douglas Maple.

Mixture of approx. 1,200 Red-Osier Dogwood, Willow, and Black Cottonwood Live Stakes/Bundles placed in a 5 foot wide row at the ordinary/high water mark.



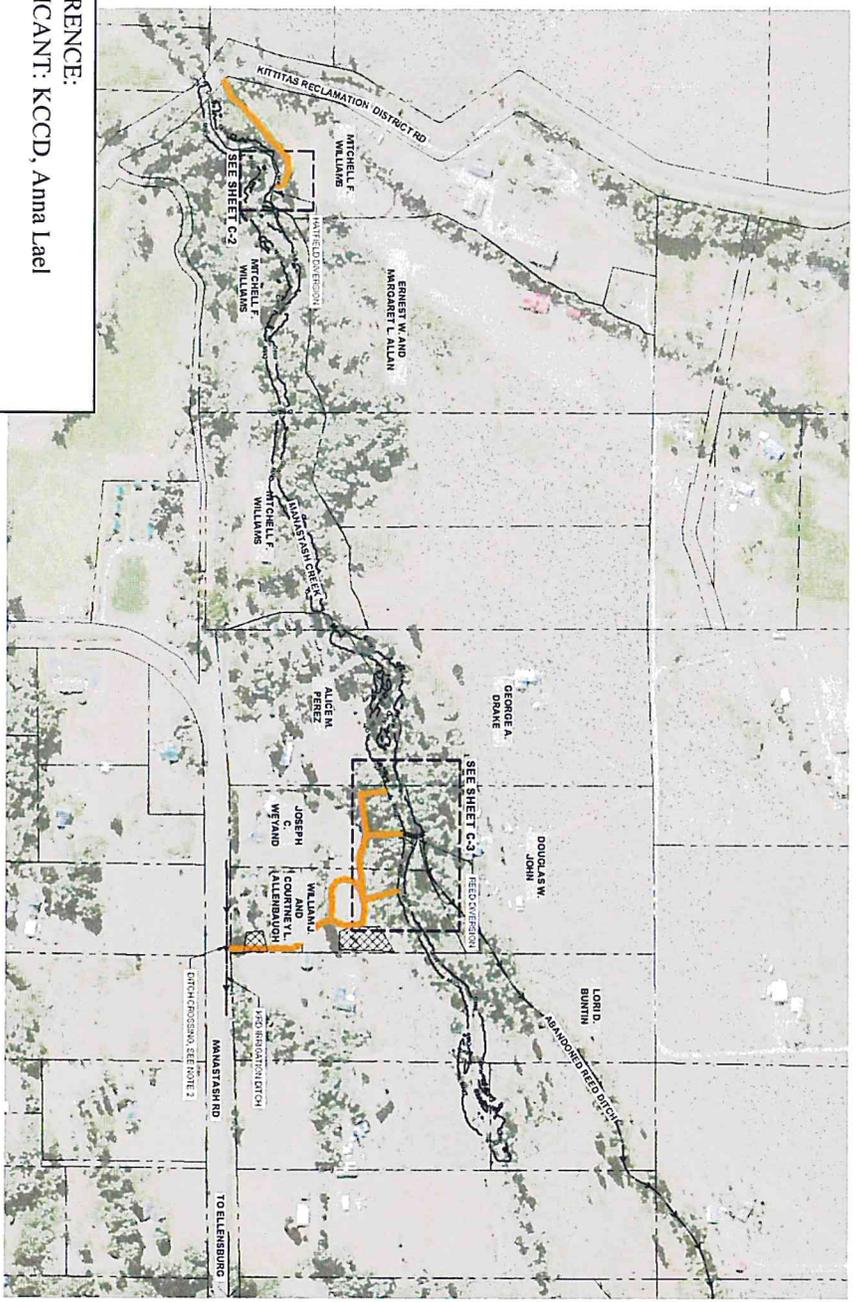
\*Access and staging will be on this side (south side) of the creek. Exact location TBD

WILLIAM J. AND  
CORINNE L. ALLENBACH





CORRECTED BY / DATE  
 VERIFIED BY / DATE



**LEGEND:**

- TEMPORARY SITE ACCESS
- SITE ACCESS
- WATERWAY
- CONSTRUCTION STAGING AREA

**NOTES:**

- TEMPORARY ACCESS SHOWN FOR CONSTRUCTION ONLY. FINAL ACCESS TO BE APPROVED BY RECLAMATION DISTRICT.
- REMOVABLE/REMOVE EXISTING FENCE AS APPROVED FOR ACCESS FROM AND FRONT TO MODIFICATION TO THE ANTICIPATED CROSSING METHODS INCLUDE INSTALL CROSSING DEVICES FOR CONSTRUCTION AND PAVED DRAINAGE OVER THE CONSTRUCTION FENCE TO EQUAL OR BETTER EXISTING FENCE TO EQUAL OR EXCEED EXISTING FENCE.

**REFERENCE:**  
 APPLICANT: KCCD, Anna Lael

**PROPOSED:** Dam removal, construct roughened channel

A/T/NEAR: Ellensburg, Washington

SHEET 3 of 12      DATE: 6/15/16



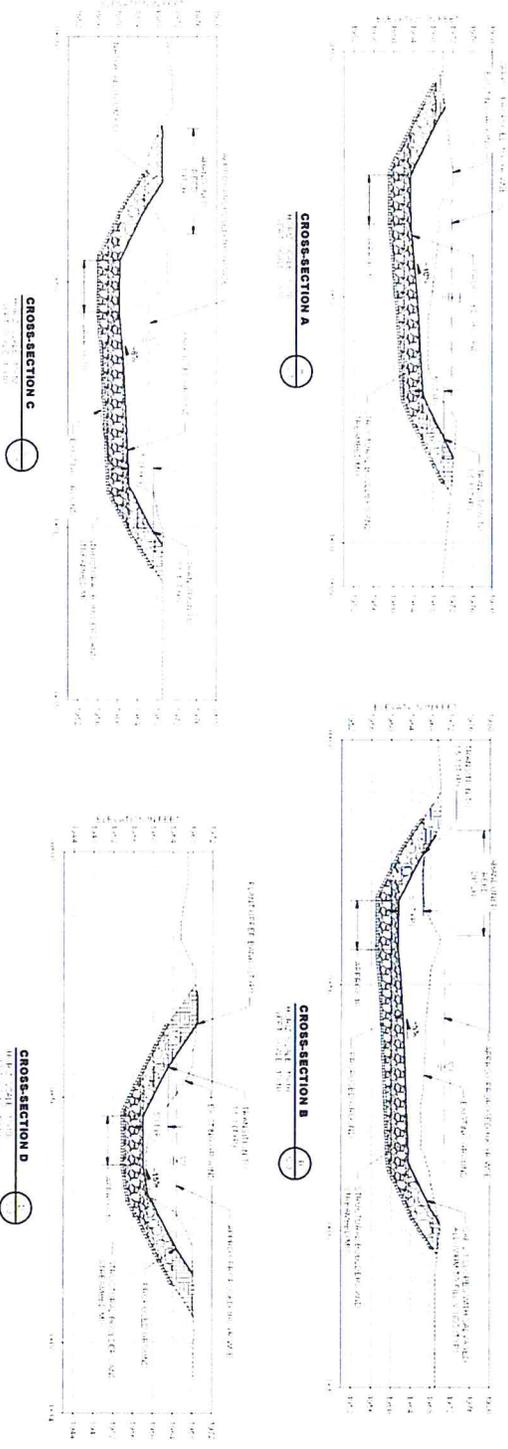
NO.	DATE	BY	DESCRIPTION
1	6/15/16	W. HERRERA	ISSUED FOR PERMIT

**MANASTASH CREEK**  
 DIVERSION/TECOMMISSIONING AND  
 GREEN RESTORATION

EXISTING CONDITIONS AND SITE ACCESS PLAN

DATE: MAY 2016  
 PROJECT NO: 1462919-000  
 SHEET NO: C-1  
 SHEET 3 OF 12





**REFERENCE:**  
**APPLICANT:** KCCD, Anna Lael

**PROPOSED:** Dam removal, construct roughened channel

**AT/NEAR:** Ellensburg, Washington

**SHEET 9 of 12**      **DATE:** 6/15/16



NO.	DATE	DESCRIPTION	BY	CHKD.

**MANASTASH CREEK  
 DIVERSION DECOMMISSIONING AND  
 CREEK RESTORATION**

**NEED DIVERSION CREEK CHANNEL SECTIONS**

**C-7**

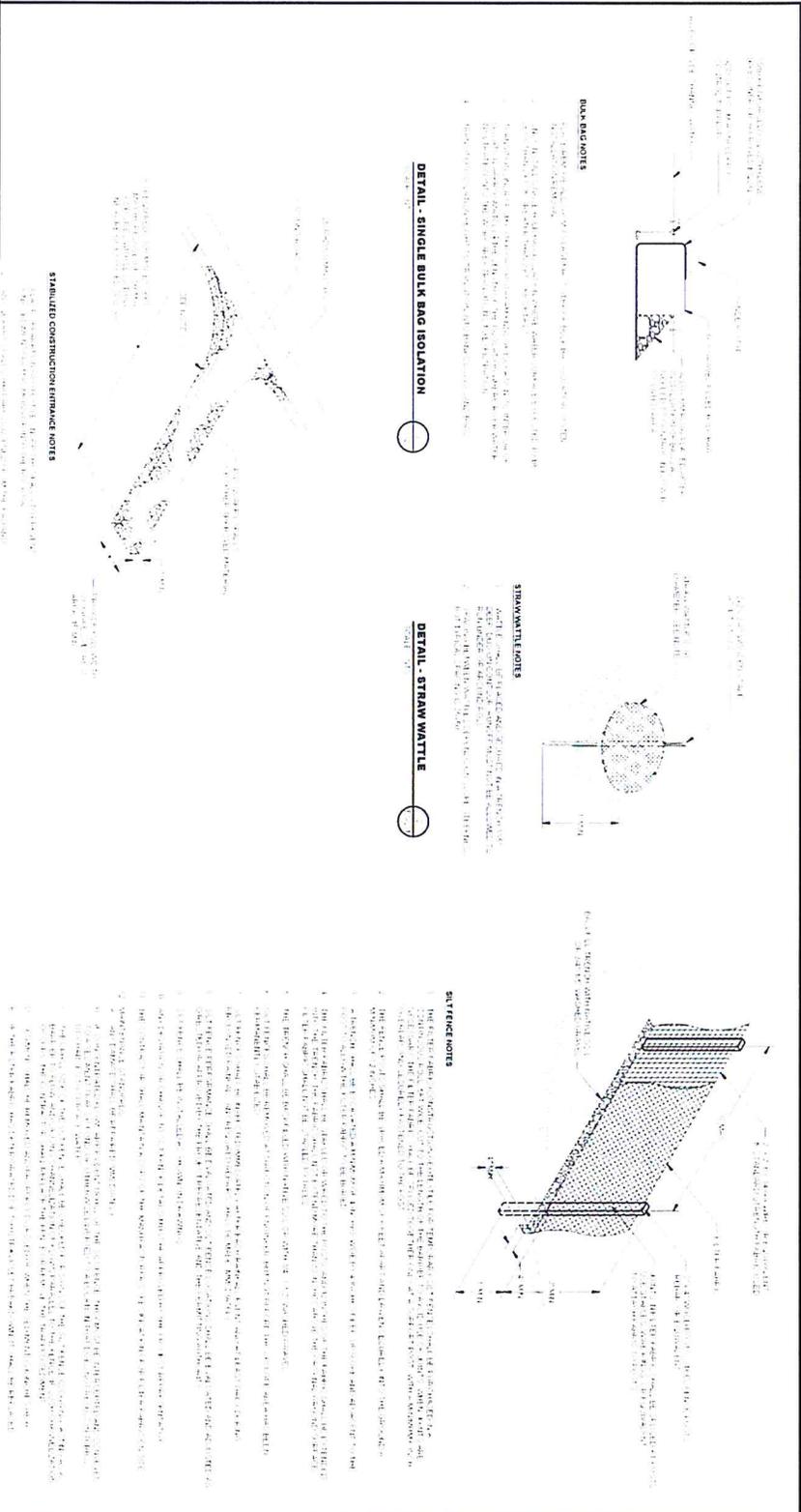
**LEGEND:**

[Symbol]	Proposed
[Symbol]	Existing
[Symbol]	Channel
[Symbol]	Bank
[Symbol]	Structure
[Symbol]	Other

**NOTES:**

1. The work shown on this drawing is to be completed in accordance with the specifications and standards of the Washington Department of Ecology.
2. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate agencies.
3. The contractor shall be responsible for maintaining access to adjacent properties and public facilities throughout the project.
4. The contractor shall be responsible for protecting the environment and minimizing impacts on the surrounding area.
5. The contractor shall be responsible for maintaining accurate records of all work performed and materials used.
6. The contractor shall be responsible for ensuring the safety of all workers and the public throughout the project.
7. The contractor shall be responsible for obtaining all necessary insurance and bonding for the project.

**REFERENCE:**  
**APPLICANT:** KCCD, Anna Lael  
**PROPOSED:** Dam removal, construct  
 roughened channel  
**AT/NEAR:** Ellensburg, Washington  
**SHEET** 12 of 12      **DATE:** 6/15/16



**DETAIL - STABILIZED CONSTRUCTION ENTRANCE**

**DETAIL - SILTY FENCE**

**DESIGN**

PROJECT NO.	DATE	BY	CHECKED

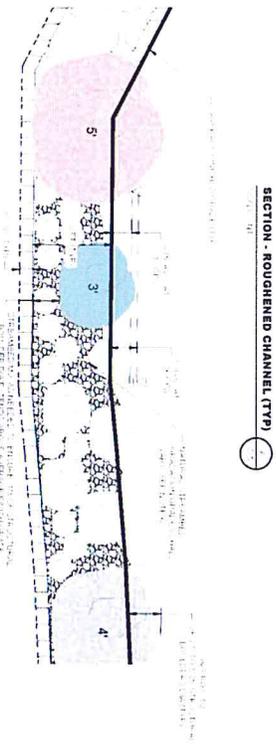
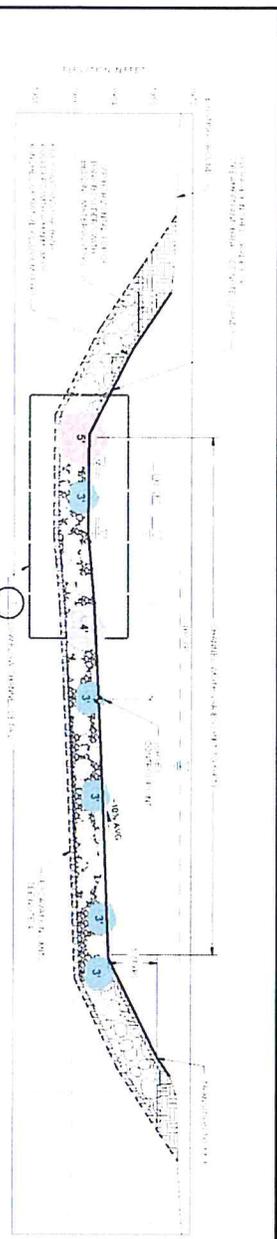
**811** Home Depot, Home Depot, Call before you dig.

**HERRERA**

**MANASTASH CREEK DIVERSION DECOMMISSIONING AND CREEK RESTORATION TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS**

**ESC-2**

**REFERENCE:**  
**APPLICANT:** KCCD, Anna Lael  
**PROPOSED:** Dam removal, construct  
 roughened channel  
**AT/NEAR:** Ellensburg, Washington  
**SHEET 8 of 12**      **DATE:** 6/15/16



**SEQUENCING NOTES:**

1. Remove existing channel structure.
2. Excavate channel to proposed depth.
3. Construct roughened channel bed and banks.
4. Construct low flow channel bed and banks.
5. Install riprap toe protection.
6. Final grading and seeding.

**LEGEND:**

	ROUGHENED CHANNEL BED
	ROUGHENED CHANNEL BANK
	LOW FLOW CHANNEL BED
	LOW FLOW CHANNEL BANK
	RIPPRAP TOE PROTECTION
	SEEDING

**NOTES:**

1. Channel bed and bank roughening shall be as shown on the drawings.
2. Riprap toe protection shall be installed as shown on the drawings.
3. Seeding shall be as shown on the drawings.
4. Final grading shall be as shown on the drawings.
5. All construction shall be in accordance with the Washington State Department of Ecology (WDE) and the Washington State Department of Transportation (WSDOT) standards.

**DRAFT - PRELIMINARY DESIGN**

**811** **HERRERA**

**MANASTASH CREEK DIVERSION COMMISSIONING AND CREEK RESTORATION**

**NEED DIVERSION CHANNEL DETAILS**

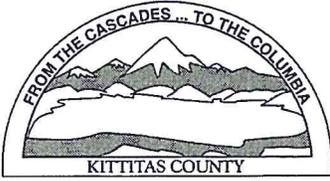
**C-6**



**REFERENCE:**  
**APPLICANT:** KCCD, Anna Lael  
**PROPOSED:** Dam removal, construct  
 roughened channel  
**AT/NEAR:** Ellensburg, Washington  
**SHEET** 11 of 12      **DATE:** 6/15/16



			<b>MASTASH CREEK          DIVERSION DECOMMISSIONING AND          CREEK RESTORATION          TEMPORARY EROSION AND SEDIMENT          CONTROL PLAN</b>	<b>ESC-1</b>
--	--	--	--	--------------



KITTITAS COUNTY PERMIT CENTER  
411 N. RUBY STREET, ELLENSBURG, WA 98926

**RECEIPT NO.: 00030821**

COMMUNITY DEVELOPMENT SERVICES  
(509) 962-7506

PUBLIC HEALTH DEPARTMENT  
(509) 962-7698

DEPARTMENT OF PUBLIC WORKS  
(509) 962-7523

**Account name:** 031752

**Date:** 7/22/2016

**Applicant:** DISTRICT KITTITAS COUNTY CONSERVATION

**Type:** check # 15286

<u>Permit Number</u>	<u>Fee Description</u>	<u>Amount</u>
SX-16-00017	SHORELINE EXEMPTION	830.00
	Total:	830.00