

WASHINGTON STATE

Standard Hydraulic Project

AGENCY USE ONLY

Application ID :16689

Online Submission

Draft Application



01. Application Information

*** Application Type:**

Standard

02. Project Identification

*** Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development)**

Naneum Pump Diversion and Fish Screen Installation - Riexinger

*** NonSimplified Project Type(s) (check all that apply):**

Other

*** Others:**

Install Pump Diversion and Fish Screen

03. Applicant

*** Business Name (if applicable)**

Kittitas County Conservation District

*** First Name**

Anna

*** Last Name**

Lael

*** Address 1**

2211 W Dolarway Rd

*** Address 2**

STE 4

*** City**

Ellensburg

*** State/Province**

WA

*** Zip Code (12345 or 12345-1234)**

98926

*** Country**

United States

*** Primary Phone No (555-555-5555 Ext.)**

509-925-3352

*** Extension:**

207

03. Applicant

*** Fax (555-555-5555)**

888-546-0825

*** Email**

a-lael@conserveva.net

04. Applicant Account Type

*** Please select one applicant account type**

Agriculture - Other

05. Authorized Agent or Contact

*** Business Name (if applicable)**

Kittitas County Conservation District

*** First Name**

Anna

*** Last Name**

Lael

*** Address 1**

2211 W Dolarway Rd

*** Address 2**

Ste 4

*** City**

Ellensburg

*** State/Province**

WA

*** Zip Code (12345 or 12345-1234)**

98926-8227

*** Country**

United States

*** Primary Phone No (555-555-5555 Ext.)**

509-925-3352

*** Extension:**

207

*** Fax (555-555-5555)**

888-546-0825

*** Email**

a-lael@conserveva.net

06. Property Owner(s)

*** First Name**

Keith

*** Last Name**

Riexinger

*** Address 1**

291 Aviator Lane

06. Property Owner(s)

*** City**

Ellensburg

*** State/Province**

WA

*** Zip Code (12345 or 12345-1234)**

98926

*** Country**

United States

*** Primary Phone No (555-555-5555 Ext.)**

509-962-1992

07. Project Location

*** Location**

Site Name: Fish Screen

Work Start Date: January 15, 2019 Work End Date: April 15, 2019

Address: , Kittitas, WA, United States

Latitude: 46.986568 Longitude: -120.476708

Township: 17 N Range: 19 E Section: 04 Quarter Section: SW 1/4

WRIA: 39 Stream Number: 0821 Stream Name: Naneum Creek (lb)

Parcel No: 431933 100 Year Flood: Yes

Drive Direction: From Ellensburg, travel east on Kittitas Highway. Just before crossing the Ellensburg Water Company Canal and passing Aviator Lane, turn left and travel parallel to the canal for approximately 500 feet until you reach the bridge over the canal. Turn right and cross the canal. Continue west for approximately 175 feet until you reach Little Naneum Creek.

08. Project Description

*** Will you be operating equipment in water?**

No

*** Type of equipment used**

An excavator equipped with a thumb, mini excavator, skid-steer or similar piece of equipment may be used to install the pump pad and associated infrastructure (boom, pump, conveyance pipe, etc.) upstream out of the Ordinary High Water Mark (OHWM). The boom will swing the fish screen out over Naneum Creek and set it in the water.

*** Summarize the overall project.**

08. Project Description

The Kittitas County Conservation District (KCCD) is working with a private landowner, Keith Riexinger, to convert agricultural fields from rill irrigation (gated PVC pipe) to pressurized sprinkler irrigation. As part of the project, the existing unscreened gravity irrigation diversion on Little Naneum Creek will be eliminated and a pump diversion with a compliant fish screen will be installed on Naneum Creek. The gravity diversion lacks a fish screen and is a fish passage barrier to fish migrating during irrigation season. Red-osier dogwood livestakes will be installed in the project area.

The pump diversion is currently proposed to be equipped with a rotary water-driven self-cleaning fish screen sized to convey the water user's irrigation water. The irrigation water is Cascade Irrigation District canal shares. The proposed fish screen is manufactured by Riverscreen, Inc., will be operated in compliance with NMFS and WDFW fish screening criteria, and will prevent fish from being entrained into the irrigation system. The on-site boom will allow the water user to remove the fish screen from Naneum Creek during the non-irrigation season. The screen will be in the creek from approximately April – October annually.

Lower Naneum Creek is utilized by Chinook, coho and steelhead, as well as resident fishes. It's unknown if the Naneum Creek at Ellensburg Water Company intersection, which is just downstream of the project site, is a fish passage barrier. There are additional fish passage barriers downstream of that as well.

The Riverscreen will be evaluated regularly during the first year of use to ensure it does not hinder fish passage. If the Riverscreen does not function as designed, we will explore alternative fish screening concepts.

*** Describe how you plan to construct each project element. Include specific construction methods and equipment to be used. Identify where each element will occur in relation to the nearest waterbody. Indicate which activities are within the 100-year flood plain.**

An excavator equipped with a thumb, mini excavator, skid-steer or similar piece of equipment may be used to install the pump pad and associated infrastructure. The pump diversion will be installed near the channel, but upslope and out of the OHWM. It will be within the mapped 100-year floodplain.

The pump screen will sit on the surface of the water seasonally from April - October. Besides setting the screen in the water, no other in-water work is proposed.

*** Requested Project Start Date:**

02/04/2019

*** Requested Project End Date:**

04/30/2019

09. Waterbodies (other than wetlands): Impacts and Mitigation

*** Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment.**

The project has been designed and funded as a fish screening project. The project will eliminate an unscreened and unmetered gravity diversion and install a pump diversion and fish screen. Upon completion, fish passage will be restored in Little Naneum Creek and the new screen will prevent entrainment of anadromous and resident fish into irrigation infrastructure. Best management practices will be implemented when setting the screen.

*** Will your project impact a waterbody or the area around a waterbody?**

Yes

*** Describe how your project will impact a waterbody or the area around a waterbody.**

The fish screen will be in Naneum Creek. The fish screen is attached to an aluminum frame that is welded on to aluminum pontoons so it sits on the surface of the water. The screen proposed is a 4" Riverscreen that is 56" X 60" in size.

*** Describe impact(s) that cannot be avoided through project design and implementation. For each location, please include the following: General location description where the impact(s) will occur (e.g. stream bank, beach front, 2-foot strip from bank, portion of gravel bar, etc.) Provide length, quantities, and/or area of impact**

09. Waterbodies (other than wetlands): Impacts and Mitigation

The project will have minimal ground disturbance below the OHWM. We will use the soon-to-be installed on-site boom to set the Riverscreen on the surface of the water and remove it during the non-irrigation season. There will be no dewatering or fish salvage necessary. The fish screen will be monitored over the first season of use to ensure it does not hinder fish passage.

*** Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies?**

NA

*** Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies?**

The project is designed and funded as a fish screening project and will be self-mitigating.

*** Describe the source and nature of any fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody.**

No fill or dredge material is planned to be placed or removed from the stream, banks or wetlands.

*** For all excavating or dredging activities, describe the method for excavating or dredging type and amount of material you will remove, and where the material will be disposed.**

The foundation of the pump pad will be dug using an excavator or similar piece of equipment and concrete will be poured for the base. The pump pad will be approximately 10'x12' in size. The pump, boom and conveyance pipe will be housed on the pump pad. The pump will be hooked up to electricity on site.

10. SEPA Compliance

*** Compliance with the State Environmental Policy Act (SEPA).**

For more information about SEPA, go to "<http://www.ecy.wa.gov/programs/sea/sepa/e-review.html>"

A SEPA determination is pending.

"SEPA determination is pending with Kittitas County"

"Expected date for SEPA determination is 01/28/2019"



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).

1. APP ID# (See APPS application receipt)			
16689			
2. Business or Government Agency Name (if applicable)			
3. First Name		4. Middle Name	5. Last Name
Keith			Riexinger
6. Address 1			
291 Aviator Lane			
7. Address 2			
8. City		9. State	10. Zip
Ellensburg		WA	98926
11. Primary Phone	12. Ext.	13. Mobile Phone	14. FAX
(509) 992-1992		()	()
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.			
			
Printed Name		Signature	
Date Signed: 1-7-19			

