

# WASHINGTON STATE

## Standard Hydraulic Project



### AGENCY USE ONLY

Date Received: 2019-02-25

Application ID :17284

Online Submission

Application technically complete and accepted for further processing

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)**

Yakima River at Bristol Flats – Install Compliant Fish Screen and Pump Diversion

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

Other

**\* Others:**

Install compliant fish screen and pump diversion

03. Applicant

**\* Business Name (if applicable)**

Kittitas County Conservation District

**\* First Name**

Mark

**\* Last Name**

Crowley

**\* 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:**

205

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

888-546-0825

**\* Email**

a-lael@conservewa.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@conservewa.net

06. Property Owner(s)

**\* Business Name (if applicable)**

Wallace Ranch II LLC

**\* First Name**

Robert

**\* Middle Name**

C.

**\* Last Name**

Wallace

**\* Address 1**

330 112TH AVE NE STE 200

**\* City**

Bellevue

**\* State/Province**

WA

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

98004-5800

**\* Country**

United States

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

425-455-9976

**\* Email**

rwallace@wallaceproperties.com

**\* Location**

Site Name: Bristol Flats Pump Diversion & Screen  
Work Start Date: March 15, 2019 Work End Date: May 30, 2019

Address: , Ellensburg, Kittitas, WA 98926, United States  
Latitude: 47.145262 Longitude: -120.804543  
Township: 19 N Range: 16 E Section: 14 Quarter Section: NE 1/4  
WRIA: 39 Stream Number: 0002 Stream Name: Yakima River  
Parcel No: 886734; 18582 100 Year Flood: Yes  
Drive Direction: From downtown Ellensburg, travel west on University Way. Turn right onto Reecer Creek Road and after .10 mile, turn left onto Old Highway 10. Travel 14.7 mile to 23851 Highway 10, Cle Elum, WA. Approximately .10 mile past the driveway, there is a gravel access road on the left (south) side of Highway 10. Turn down the access road and travel south until you reach the Yakima River, then head west approximately .10 mile.

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07. Project Location

08. Project Description

**\* 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 the Yakima River and set it in the water. Equipment will be in good working order and will be inspected daily for leaks. Refueling and maintenance of equipment or vehicles will be greater than 150 feet from the Yakima River. The contractor will have a spill containment kit onsite at all times.

**\* Summarize the overall project.**

The Kittitas County Conservation District (KCCD) proposes to install a new irrigation pump diversion with a fish screen operated in compliance with National Marine Fisheries Service (NMFS) and Washington Department of Fish & Wildlife (WDFW) fish screening criteria on the Yakima River near river mile 172.

The existing diversion is problematic due to its location on the Yakima River and that it does not have a compliant fish screen. The existing pump suction is a slotted metal pipe with a pump on top of it in a dug inlet off of the river. The slotted pipe does not meet fish screening criteria. In addition, the inlet where the diversion is located receives silt deposits during high flow and when flows drop (usually after "flip-flop") the irrigator must scoop out the silt in order for the pump to have suction to divert water.

The proposed project involves decommissioning the existing pump intake and installing a new pump diversion with a fish screen that meets NMFS and WDFW fish screening criteria. The fish screen proposed is manufactured by Riverscreen, Inc. and sits on pontoons on the surface of the water. A concrete pad will be poured upslope of the Ordinary High Water Mark and a pump and boom will sit on the concrete pad. The boom will allow the water user to remove the fish screen during the non-irrigation season. No instream modifications are proposed.

The Yakima River is home to Chinook, coho and sockeye salmon, steelhead, bull trout and a suite of resident fishes. Steelhead and bull trout are both listed as Threatened under the Endangered Species Act, elevating the priority for installing a compliant fish screen. This project will prevent fish from being entrained into the irrigation infrastructure.

**\* 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 likely still 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:**

03/15/2019

**\* Requested Project End Date:**

05/30/2019

**\* 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 decommission a problematic pump diversion and install a new pump diversion with fish screen that will be operated in compliance with NMFS and WDFW fish screening criteria. The new diversion will be tied into the existing irrigation system. After completion, there will no longer be a need for annual in-stream work associated with the existing diversion and the risk of fish entrainment into the existing irrigation infrastructure will be eliminated. 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 screen is manufactured by Riverscreen, Inc. The screen is attached to an aluminum frame that is welded on to aluminum pontoons so it sits on the surface of the water, allowing fish migrate under or around the screen. There will be one 12" Riverscreen installed that is 120" x 104" 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**

The project will have minimal disturbance below the OHWM. We will use to soon-to-be installed on-site boom to set the Riverscreen on the surface of the water. There will be no dewatering or fish salvage necessary.

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

No

**\* 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.

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

**\* 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 will be used below the OHWM.

**\* 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 area from the pump pad will be dug using an excavator and concrete will be poured as the foundation of the pump pad. 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 power 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>"**

SEPA review is complete. I will upload, mail, or deliver a copy of the SEPA determination letter as part of this application..

