



WASHINGTON STATE

Joint Aquatic Resources Permit Application (JARPA) Form^{1,2} [\[help\]](#)

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

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US Army Corps of Engineers
Seattle District

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith’s Dock or Seabrook Lane Development) [\[help\]](#)

Reeves Irrigation Pump Screen, Manastash Creek Restoration Project

Part 2–Applicant

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

2a. Name (Last, First, Middle)

Reeves, Scot and Katherine

2b. Organization (If applicable)

2c. Mailing Address (Street or PO Box)

8413 Manastash Road

2d. City, State, Zip

Ellensburg, WA 98926

2e. Phone (1)

2f. Phone (2)

2g. Fax

2h. E-mail

509-925-9310

ktrvs5@gmail.com

¹Additional 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.

²To 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.

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

Part 3—Authorized Agent or Contact

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

3a. Name (Last, First, Middle)			
NA			
3b. Organization (If applicable)			
3c. Mailing Address (Street or PO Box)			
3d. City, State, Zip			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail

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 or 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.

4a. Name (Last, First, Middle)			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
4d. City, State, Zip			
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail

Part 5–Project Location(s)

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.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<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 JARPA Attachment E)			
5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]			
8413 Manastash Road			
5c. 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			
5d. County [help]			
Kittitas			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
NW ¼	14	17	17
5f. Provide the latitude and longitude of the project location. [help]			
<ul style="list-style-type: none"> Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83) 			
46 degrees 58' 9.90" lat/ -120 degrees 40' 36.98" long			
5g. List the tax parcel number(s) for the project location. [help]			
<ul style="list-style-type: none"> The local county assessor's office can provide this information. 			
215133			
5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]			
Name	Mailing Address	Tax Parcel # (if known)	
Ginger Sutton	8411 Manastash Road	175133	
	Ellensburg, WA 98926		
Jon and Paula Obrien	PO BOX 1329	225133	
	Ellensburg, WA 98926		

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

No wetlands are located in or adjacent to the project.

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 project area consists of upland and riparian area native shrubs and trees, Mt. Alder, Cottonwood, Ponderosa Pine, Rose, Red Osier Dogwood, and Golden Current.

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

The property is a rural, single family residence. The Manastash Water Ditch Association (MWDA) and Consolidated irrigation diversion and fish screen facility is located within an existing easement on the north side of Manastash Creek.

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

The adjacent areas are used as rural, single family residences. The Keach Jensen irrigation diversion and fish screen facility is located within an existing easement on the neighboring property to the east.

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

The residence is a log home built in the mid 1980's and is in good condition. The MWDA and Consolidated irrigation diversion was constructed in 2009-2010 and is in good condition. Concrete headgates for the irrigation diversion facility are present on the left bank. These headgates direct water to a screened intake and then into the MWDA and Consolidated pipelines. A floating debris boom protects the intake entrance. The facility is equipped with a mechanical building, security fencing, and a gravel access area. The instream facilities consist of 8 instream rock weirs that function to provide low flow passage for fish (i.e., roughened channel fishway).

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

From I-90: Map Attached

- Take exit 101 for Thorp Hwy toward Thorp (0.2 mi)
- Turn right at S Thorp Hwy (2 mi)
- Turn right at Cove Road (4.2 mi)
- Turn right at Manastash Road (0.9 mi)
- Slight left to stay on Manastash Road

Part 6—Project Description

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

Install a fish screen and meter on the existing Reeves irrigation pump which is part of the existing MWDA irrigation water right and the Manastash Creek Restoration Project.

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

The intent of this application is to apply for a **perpetual HPA** to install and maintain a fish screen for the Reeves existing 2.5 horse powered irrigation pump. The Reeves are within the MWDA water right place of use and have a right to 58 gallons per minute of MWDA irrigation water, April 1 – October 31st. The project will also install a meter to set and record diversionary amount. This project is part of the larger Manastash Creek Restoration Project which is providing fish screening, fish passage and instream flow enhancement.

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 (upland) |
| <input type="checkbox"/> Bank Stabilization | <input 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"/> Scientific Measurement Device |
| <input type="checkbox"/> Boat Launch | <input type="checkbox"/> Ditch | <input type="checkbox"/> Land Clearing | <input type="checkbox"/> Stairs |
| <input type="checkbox"/> Boat Lift | <input type="checkbox"/> Dock / Pier | <input type="checkbox"/> Marina / Moorage | <input type="checkbox"/> Stormwater facility |
| <input type="checkbox"/> Bridge | <input type="checkbox"/> Dredging | <input type="checkbox"/> Mining | <input type="checkbox"/> Swimming Pool |
| <input type="checkbox"/> Bulkhead | <input type="checkbox"/> Fence | <input type="checkbox"/> Outfall Structure | <input type="checkbox"/> Utility Line |
| <input type="checkbox"/> Buoy | <input type="checkbox"/> Ferry Terminal | <input type="checkbox"/> Piling/Dolphin | |
| <input type="checkbox"/> Channel Modification | <input type="checkbox"/> Fishway | <input type="checkbox"/> Raft | |

- Other: Fish Screen

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.

A Clemons DS100 passive fish screen will be placed in Manastash Creek by hand and attached to a 2" suction hose; the flexible suction hose will be attached directly to the existing pump and be placed along the channel bottom. The suction hose will come in a 10' and a 20' section. The 10' section will be used during higher flow periods when there will be sufficient water cover directly along the right bank. Additional suction hose will be added as flows lower; 30' total hose provides adequate length to a deep pool during low flows. The existing pump and 2" delivery line are at the top of bank. A 2" Seametric mag meter will be installed down flow of the pump. All work will be done by hand and no material instream or along top of bank will be disturbed.

The fish screen will be placed in the Creek by hand at the start of irrigation, April, and removed each season by hand at the end of irrigation season, October. As flows fluctuate and lower during the season, the suction hose and fish screen will be adjusted by hand within the channel to provide adequate water surface.

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: June 2018 End Date: Perpetual HPA See JARPA Attachment D

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

\$500.00

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

- If **yes**, list each agency providing funds.

Yes 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 Don't know

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 ¹	Wetland type and rating category ²	Impact area (sq. ft. or Acres)	Duration of impact ³	Proposed mitigation type ⁴	Wetland mitigation area (sq. ft. or acres)

¹ 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.

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

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

⁴ 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 the 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

All work will be done by hand and no material instream or along top of bank will be disturbed.

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 Don't know

All work will be done by hand and no material instream or along top of bank will be disturbed. The intent of the project is to protect fish by installing a proper fish screen on the pump intake.

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

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

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

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected

¹ 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.

² 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.

³ 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. [\[help\]](#)

No fill will be added for the project.

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. [\[help\]](#)

No excavation or dredging will occur.

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	Jennifer Nelson	509-962-3421	June 2018
WDFW	Josh Rogala	509-859-3732	June 2017
Kittitas County	Karen Hodges	509-925-7523	July 6, 2018
Kittitas County	Lindsey Ozbolt	509-962-7065	July 25, 2018

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: <https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Assessment-of-state-waters-303d>.

Yes No

Manastash Creek is listed on the 303d list for the following: temperature, bacteria, dissolved oxygen, and pH. It is also listed as a Category 4C waterbody for instream flow. Category 4c waters are impaired by a non-pollutant that cannot be addressed through a TMDL.

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) is a 48 mile right bank tributary to the Yakima River at river mile 154.5. It is a Washington Department of Natural Resources Type 1 stream that drains a watershed of 97 square miles that cover elevations ranging from 2,000 to 5,500 feet.

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

- Go to <https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-availability/Watershed-look-up> to find the WRIA #.

Upper Yakima WRIA #39

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

- Go to <https://ecology.wa.gov/Water-Shorelines/Water-quality/Freshwater/Surface-water-quality-standards/Criteria> 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: <https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-laws-rules-and-cases>.

Urban Natural Aquatic Conservancy Other: Rural

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

- Go to <http://www.dnr.wa.gov/forest-practices-water-typing> 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: 2004 Eastern WA Stormwater Manual

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 local residences and cattle/horse pastures have been occupied since the early 1900s.

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

- If Yes, attach it to your JARPA package.

Yes No

BPA conducted archaeological surveys for the Area of Potential Effect for the MWDA Consolidated Diversion project, including associated easements and access roads. In the spring of 2007, BPA submitted a consultation request letter to the Washington DHAP SHPO and the Yakama Nation THPO. Consultation under Section 106 of the NHPA area was completed in April of 2007.

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 Distinct Population Segment (DPS)

Columbia River bull trout DPS

This project is part of the larger Manastash Project Restoration Project. This project has been the subject of several ESA Section 7 consultations. The most recent BA completed for the project, which included construction of the MWDA intake, the roughened channel fishway, and juvenile bypass, resulted in informal consultation and subsequent 2008 concurrence letters from both NMFS and USFWS. These consultations are still in effect because other elements of the overall project have yet to be completed. Additionally, new coverage is not necessary because the scope and extent of the undertaking are within the actions and effects described in the existing BA.

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.
- 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 information about SEPA, go to <https://ecology.wa.gov/regulations-permits/SEPA-environmental-review>.

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

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): Irrigation exemption

Other City/County permits: NA

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](#)

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 Coast Guard permits:

General Bridge Act Permit Private Aids to Navigation (for non-bridge projects)

Part 11—Authorizing Signatures

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. _____ (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. SMR (initial) *Not without prior contact + arrange through KCCD.

Scot M. Reeves Applicant Printed Name Scot M Reeves Applicant Signature 8/7/18 Date

11b. Authorized Agent Signature [\[help\]](#)

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 all necessary permits have been issued.

Authorized Agent Printed Name Authorized Agent Signature Date

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

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

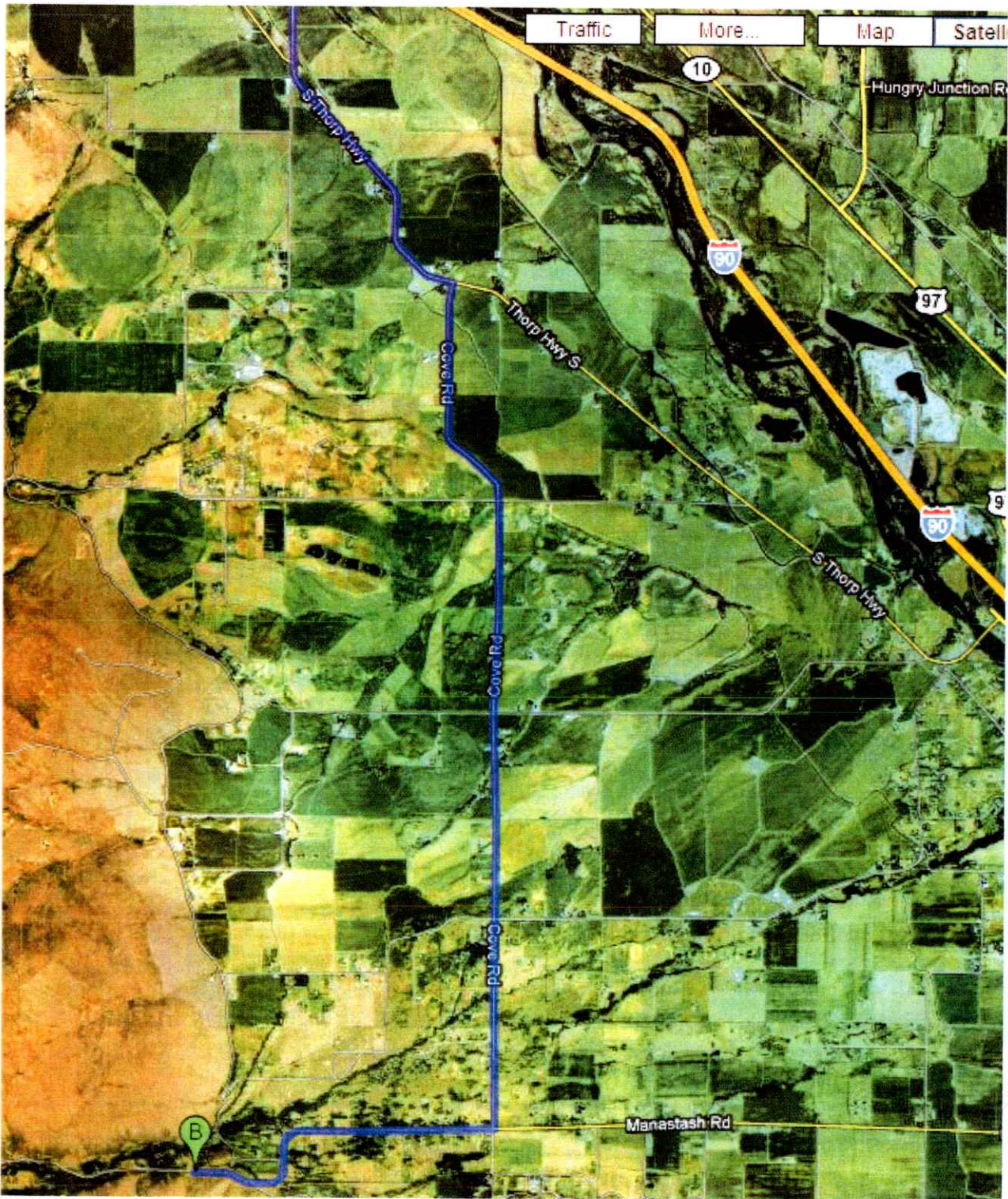
I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

Scot M. Reeves Property Owner Printed Name Scot M Reeves Property Owner Signature 8/7/18 Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device 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: ORIA-16-011 rev. 07/2017

Map to Site from I-90



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Reeves Pump Screen
Manastash Creek Restoration Project

Reeves
pump
screen

MWDA Consolidated
Diversion

Manastash Creek

Reeves Residence

Manastash Road

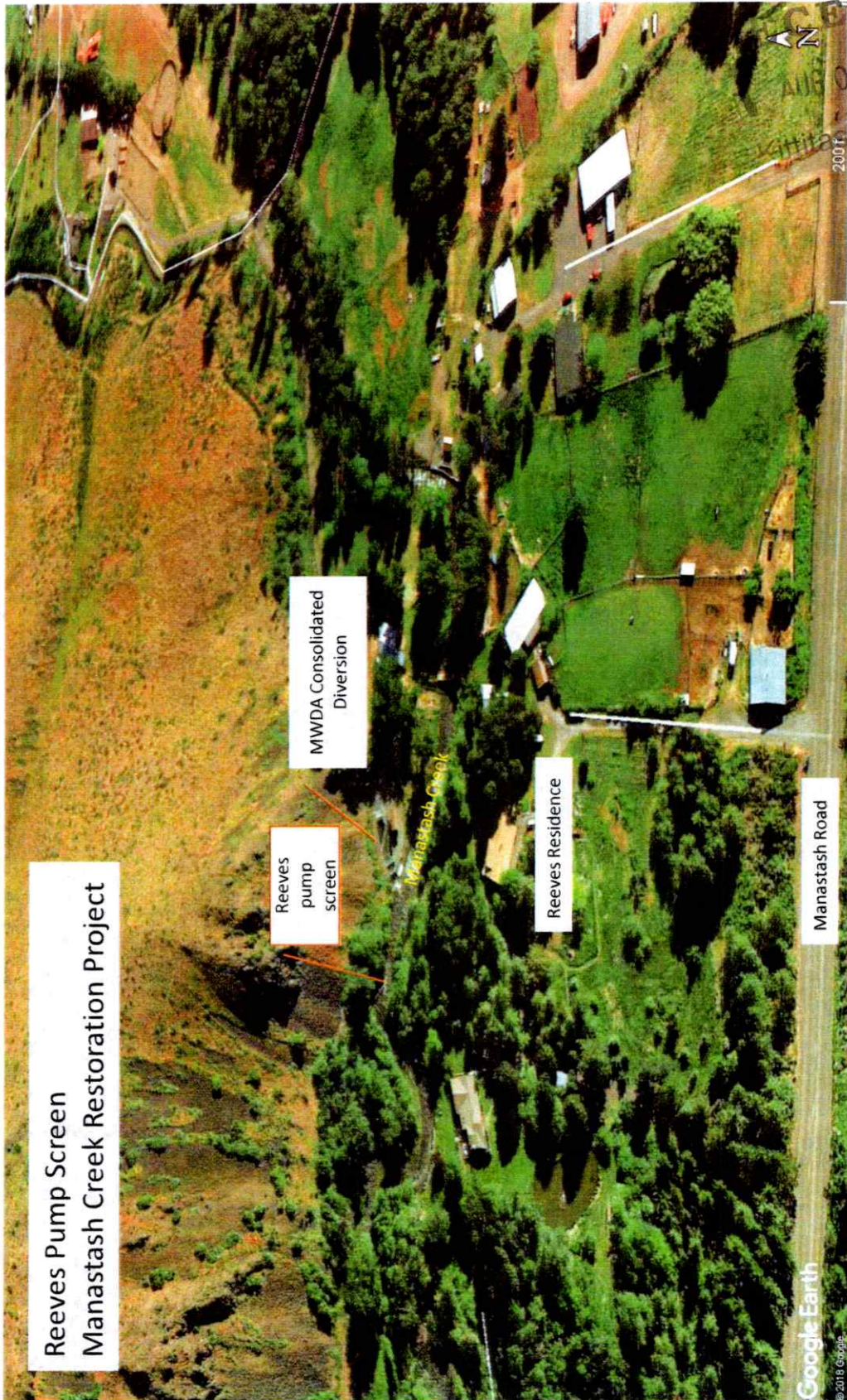
Google Earth

© 2018 Google

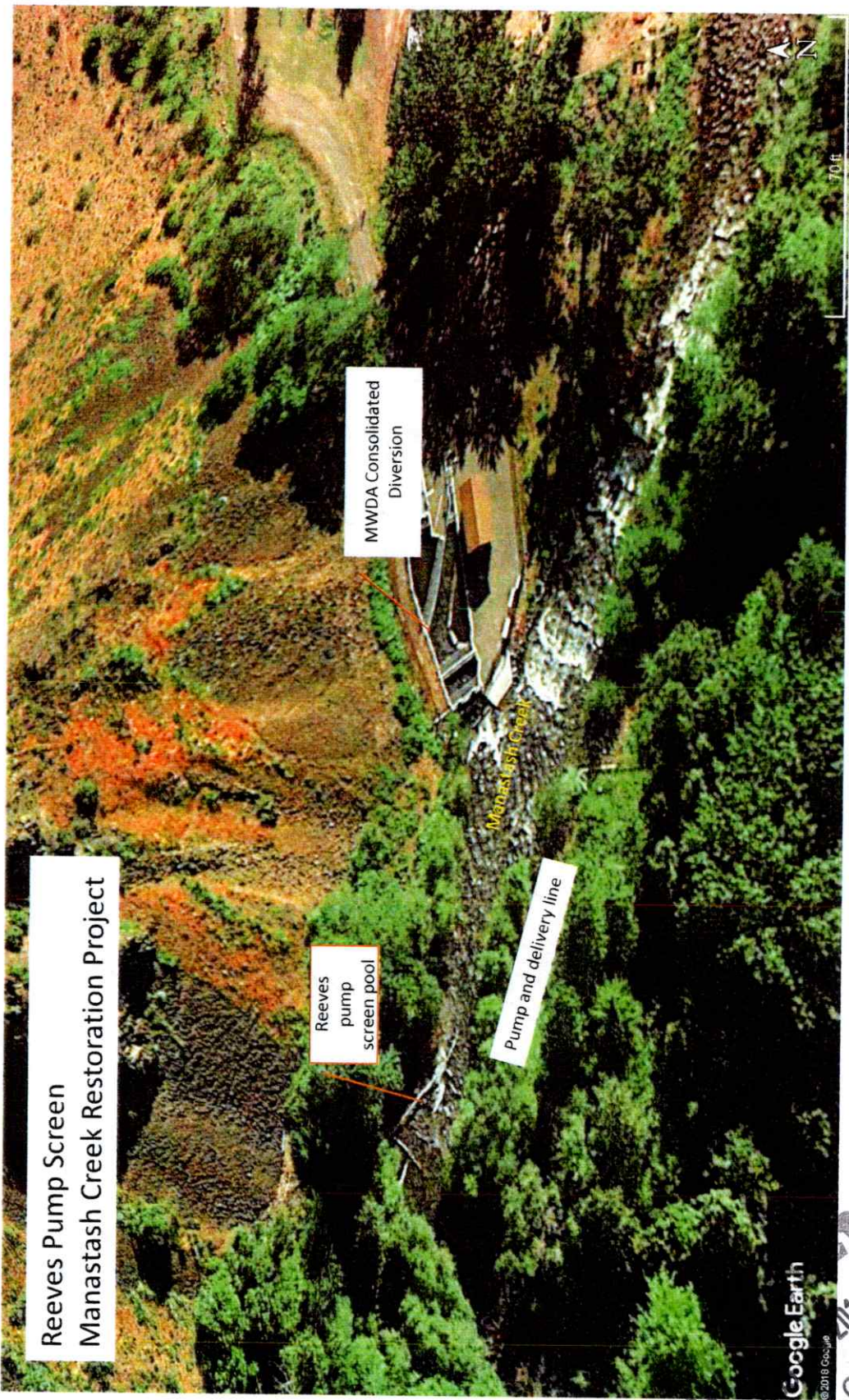


200ft

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Reeves Pump Screen
Manastash Creek Restoration Project



Reeves
pump
screen pool

MWDA Consolidated
Diversion

Pump and delivery line

Manastash Creek

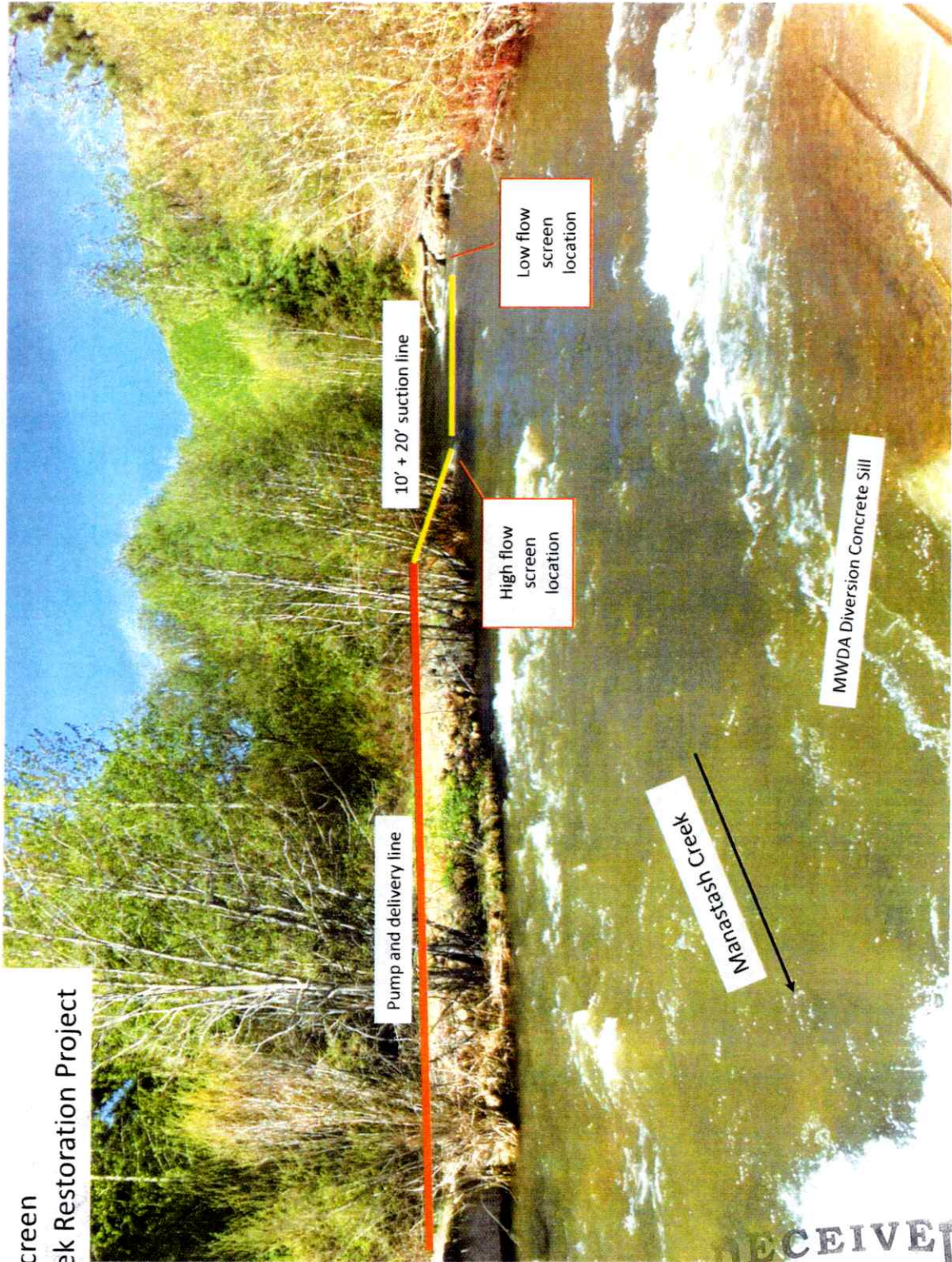


70 ft

Google Earth
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Kittitas Co. CDS

Reeves Pump Screen
Manastash Creek Restoration Project



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Reeves Pump Screen Manastash Creek Restoration Project

6/20/2016

Reeves Pump Screens / Clemons Screens Corporation (Inquiries and Technical Support)



Clemons fish screen

New Suction Screens

Product Description 50 To 200 GPM Diffuser Style Suction Screen

Model DS50	Model DS100	Model DS200
9250 GPM	18000 GPM	36000 GPM
7" Diffuser	7" Diffuser	7" Diffuser
1.5" Strain	1.5" Strain	1.5" Strain
1.5" Strain	1.5" Strain	1.5" Strain
1.5" Strain	1.5" Strain	1.5" Strain



Click To Enlarge

- 1. Throat From Check Valve
- 2. Throat From Check Valve
- 3. Throat From Check Valve

Reeves Pump Screen Manastash Creek Restoration Project

Passive fish screen operation and maintenance

Typical Fish Screen Operation and Maintenance Passive Cleaning Screens

Installation shall be as noted on site plan and drawings. If in the future the location of screen needs to be moved, then the pump intake screens shall be placed in a location with sufficient sweeping velocity (.4 ft/sec or greater) to sweep away debris from the screen face. Passive screens shall be submerged to a depth of at least one screen radius below the minimum water surface, with a minimum of one screen radius clearance between screen surface and adjacent natural or constructed features.

Maintenance prior to installation

- Look over screen to ensure all holes in mesh are free from any object that may inhibit the screen from 100% performance. Verify no holes are greater than 3/32nds.
- Inspect check valve to ensure its integrity.
- Inspect rubber gaskets for wear and cracking.
- Inspect suction hose and fitting for leaks.
- Inspect ring locks, ensuring they are secure in the mounting frames.
- Inspect anchor chain for wear.
- Remove any dried debris from previous use.

Maintenance during operation

- Summer

Summer is typically where you will see the lowest flows of the year. Monitor the stream flow for sufficient flow and sweeping velocity. If there is not adequate flow and velocity, move to a location that has flows meeting the required criteria. Remove all debris that has accumulated. **Remember when cleaning the surface of the screen the entire screen area must be cleaned. Never clean only a portion of the screen, as this will create hot spots on the surface of the screen.**

- Fall

Monitor velocities over screen surface and maintain the required .4 ft/sec. Fall is the time in which organic debris loads will increase in the rivers and streams. Visually check screen on a daily basis to make sure the organic load settling on the screen is not plugging it. Clean the screen as needed. **Remember to clean the entire screen surface.**

End of irrigating season

- Remove the screen and frame from the stream and immediately clean with brush and hose.
- Apply lubricating spray i.e. WD 40 to the ring locks attached to the anchoring frame.

Kititas County Conservation District
&
Fish Screen Program
Walla Walla Community College
Water Management Program

Reeves Pump Screen Manastash Creek Restoration Project

Pump Screen SEPA
Determination of Nonsignificance



WASHINGTON DEPARTMENT
OF FISH AND WILDLIFE
FINAL DETERMINATION OF
NON-SIGNIFICANCE
February 22, 2007

State of Washington DEPARTMENT OF FISH AND WILDLIFE

Mailing Address: 600 Capitol Way N - Olympia, Washington 98501-1091 - (360) 902-2200, TDD (360) 902-2207
Main Office location: Natural Resources Building - 1111 Washington Street SE - Olympia, WA

DETERMINATION OF NONSIGNIFICANCE

Name of Proposal: PUMP SCREEN INSTALLATIONS- YAKIMA RIVER BASIN
(KITITITAS, YAKIMA AND BENTON COUNTIES)

Description of Proposal: The Yakima Tributary Access and Habitat Program (YTAHP) focuses on preventing entrainment caused by irrigation diversions, providing passage for migratory fish through man-made barriers, and improving instream and riparian habitat conditions within the Yakima Basin. Many pump diversions are improperly screened, endangering fish of becoming entrained into the irrigation systems and/or injured from non-compliant intake screens. The proposed installation of NOAA Fisheries and WDFW compliant fish screens on pre-existing pump diversions will reduce these risks to aquatic life. Installation of these pump screens consists of removing the non-compliant screen from the pump intake line and connecting the new fish screen to the pre-existing intake line. Screen installation will require the use of hand tools, and for large or heavy screens it will require the use of a boom truck or equivalent equipment to lift and set the screen. All permits required by federal, state, and local agencies will be obtained and work will comply with all permit provisions

Proponent:

South Central Resource Conservation and Development (RC & D)
Ed Harrell - Project Administrator
1606 Perry Street, Suite E
Yakima, WA 98902

Contact person:

Jennifer Scott-WDFW
1701 South 24th Avenue
Yakima, WA 98902
(509) 457-9307

Location of Proposal, including street, if any: Yakima River Basin, including Watershed Resource Inventory Areas 37, 38, and 39 in Kittitas, Yakima, and Benton Counties, Washington
(See attached map)

Lead Agency: Washington Department of Fish and Wildlife

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required

Reeves Pump Screen Manastash Creek Restoration Project

Pump Screen SEPA
Determination of Nonsignificance

under RCW 43.21C.030(2)(c). This decision was made after review of the completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

This DNS is issued under WAC 197-11-340(2); the lead agency will **not act on this proposal for 14 days from the date of issue below. Comments must be submitted by: February 21, 2007**

Responsible Official: Teresa A. Eturaspe

Position/Title: SEPA/NEPA Coordinator, Regulatory Services Section

Address: 600 Capitol Way North, Olympia, WA 98501

Please contact: Teresa A. Eturaspe **Phone:** (360) 902-2575 **Fax:** (360) 902-2946 or
e-mail: habitat@SEPA@dfw.wa.gov if you have questions or comments about this determination.

DATE OF ISSUE: February 07, 2007 **SIGNATURE:** 

SEPA Log Number 07-01448

Distribution of Environmental Document:

Department of Ecology, Environmental Review Section, Olympia
Department of Natural Resources, SEPA Center, Olympia
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Kittitas County Planning Department, Ellensburg
Yakima Nation, Toppenish
Columbia River Inter-Tribal Fisheries Commission, Portland, OR
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