



**Request for Clean Water Act
Section 401 Water Quality Certification
Washington State Department of Ecology**
Phone: (360) 407-6076 or E-mail: ecyrefedpermits@ecy.wa.gov

AGENCY USE ONLY

Date Received: 4/17/2025
Aquatics ID No.: 141354
County: Benton
Complete Request: 4/18/2025

This Section 401 Water Quality Certification (WQC) request form must be submitted as part of a WQC request and identifies information needed for review. Please see Department of Ecology's (Ecology) [webpage](#)¹ for more information about the WQC request process and additional information regarding the request requirements. Contact Ecology if an example plan or template would be helpful in preparing your WQC request.

Submit this WQC Request form along with the supporting information identified below to ecyrefedpermits@ecy.wa.gov.

Request packages must be sent in by email. Mail submissions will not be accepted. Supporting information should not be consolidated into one large file, if your documents are consolidated into one file, please separate them before submitting².

Per the 2023 EPA Water Quality Certification rule, Ecology, as the certifying authority,³ may identify the contents of a request for certification relevant to water quality related impacts from the activity. Items listed in Section D are always required for a complete application. If notified by Ecology prior to submittal of this request, items listed in Section E are also required. If this information has been provided to Ecology as part of your federal permit application, you do not need to submit them again. However, please indicate in Section D how they were provided. Ecology will provide acknowledgement of receipt of a complete WQC request to the project proponent. Once Ecology confirms we have received all the required information, our review time will begin.

A. Project Information

Project Name:

Ecology Aquatics ID Number:

Project Location (Please attach a project location map when submitting this form):

Project Address:

County:

¹ <https://ecology.wa.gov/Regulations-Permits/Permits-certifications/401-Water-quality-certification>

² To submit documents over 25MB, e-mail ecyrefedpermits@ecy.wa.gov to request a secure link. Ecology does not accept outside links. Please include the Aquatics ID and project name when requesting a link.

³ If the proposed work is on federal or Tribal land, it is up to the project proponent to confirm land ownership and provide the federal agency with a WQC from the appropriate Section 401 certifying authority. Ecology will proceed with processing your request unless we are notified that we are not the certifying authority.

To request an ADA accommodation, contact Ecology by phone at (360) 407-6076 or email at ecyrefedpermits@ecy.wa.gov, or visit <https://ecology.wa.gov/accessibility>.
For Relay Service or TTY call 711 or 877-833-6341.

Si necesita este formulario en español, por favor, llámenos a (360) 407-6076
o envíenos un correo electrónico a: ecyrefedpermits@ecy.wa.gov

B. Federal Permit Application

A copy of the federal permit application must be submitted with your request (40 CFR 121.5(a)(1)(i)). This can be done by copying Ecology (ecyrefedpermits@ecy.wa.gov) when you submit your application to the federal agency or forwarding the confirmation email from the federal agency with a copy of your application.

- ☐ I have copied Ecology on my federal permit application submitted on date: _____ or,
☐ I forwarded the confirmation email from the federal agency along with a copy of my application, or
☐ Other, please explain.

Project falls under NWP 27. No further federal permitting applies.

Federal Permit or License Reference Number, if known: _____

Federal Agency: ☐ U.S. Army Corps of Engineers (Corps) ☐ U.S. Coast Guard
☐ Federal Energy Regulatory Commission ☐ Environmental Protection Agency (EPA)
☐ Other:

Identify the U.S. Army Corps permit, if applicable: ☐ Nationwide Permit ☐ Individual ☐ Other: _____
If Nationwide Permit which one(s)? NWP(s) # _____

C. A Pre-Filing Meeting Request must be submitted to Ecology at least 30-days prior to submitting a WQC request unless otherwise approved.

☐ A pre-filing meeting request was submitted on date: _____

D. Supporting information required for all projects. Please indicate where the following documents or information can be found within this WQC request or if it was submitted previously to Ecology. If not a specific plan or report, indicate the name and page number of the document where the information can be found.

	Within this WQC request	Previously submitted to Ecology and is still up to date	Indicate where the information can be found within the submission
Complete up to date JARPA or other accepted application form	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Status of State Environmental Policy Act (SEPA) determination and/or exemption	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Project location map and drawings	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Best management practices (BMPs)	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Construction methodologies	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Requirements for In-Water Work			
Water quality monitoring plan or Water Quality Monitoring Protection Plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Aquatic resource avoidance and minimization identified (e.g. eelgrass)	<input type="checkbox"/>	<input type="checkbox"/> Date:	

Riparian revegetation, restoration, and management measures	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Requirements for Work in Wetlands			
Wetland delineation report with data sheets	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Wetland ratings	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Wetland mitigation plan, including avoidance and minimization measures, for wetland, stream, and/or other aquatic resources	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Riparian planting and monitoring and measures	<input type="checkbox"/>	<input type="checkbox"/> Date:	

E. Required by project type or when identified as needed by Ecology. Please indicate where the following documents or information can be found within this WQC request or if it was submitted previously to Ecology. If not a specific plan or report, indicate the name and page number of the document where the information can be found.

	Within this WQC request	Previously submitted to Ecology and is still up to date	Indicate where the information can be found within the submission
Mitigation			
Wetland mitigation bank use plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	
In-lieu (ILF) use plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Upland Work			
Erosion and sediment control plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Stormwater pollution prevention plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	
De-Watering			
Flow diversion, cofferdam, and dewatering system plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Stream bypass plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Water dispersion/infiltration plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Water treatment plan (Chitosan, aeration, dry ice, etc.)	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Culverts and Bridges			
Bridge demolition and construction plans	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Culvert removal and replacement plans	<input type="checkbox"/>	<input type="checkbox"/> Date:	
Dredging			
Dredging and excavation plans	<input type="checkbox"/>	<input type="checkbox"/> Date:	

Status of Suitability determination	<input type="checkbox"/>	<input type="checkbox"/> Date:	N/A
Sediment testing and characterization reports	<input type="checkbox"/>	<input type="checkbox"/> Date:	While not dredging, sediments that are likely to mobilize following the causeway removal have been tested and reports were transmitted to
Other			
Stone column installation plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	N/A
Horizontal direction drill (HDD) inadvertent return plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	N/A
Spill prevention control and countermeasures plan	<input type="checkbox"/>	<input type="checkbox"/> Date: TBD	To be developed by the contractor after contract award. Can be provided to Ecology at the time for awareness
Levee repair and bank stabilization plan	<input type="checkbox"/>	<input checked="" type="checkbox"/> Date: 4/9/25	Construction specific details under development, but area and volume estimates
Piling removal and installation plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	N/A
Wastewater servicing for marina operations	<input type="checkbox"/>	<input type="checkbox"/> Date:	N/A
Aquatic invasive species management plan	<input type="checkbox"/>	<input type="checkbox"/> Date:	N/A
Engineer Design Report for cleanup projects	<input type="checkbox"/>	<input type="checkbox"/> Date:	N/A

F. Project Proponent Information

Project Proponent

First/Last Name: Laura Wiggins on behalf of Michael Erickson

Organization: US Army Corps of Engineers, Walla Walla District

Phone #: 509-527-7249

E-mail: laura.a.wiggins@usace.army.mil

Agent/Consultant

First/Last Name: N/A

Organization:

Phone #:

E-mail:

G. Required Certification Statements:

The project proponent hereby certifies that all information contained herein is true, accurate, and complete, to the best of my knowledge and belief.

The project proponent hereby requests that the certifying authority review and act on this WQC request within the applicable reasonable period of time.

Signature: ERICKSON.MICHAEL.SCOTT Digitally signed by ERICKSON.MICHAEL.SCOTT.1151172349
T.1151172349 Date: 2025.04.17 08:28:27 -07'00' Date: 4/17/2025

Print Name: Michael S. Erickson



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.



US Army Corps
of Engineers®
Seattle District

AGENCY USE ONLY

Date received: 4/17/2025 edoc
Received WQC Request Form

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) [\[help\]](#)

Yakima Delta Continuing Authorities Program Section 1135

Part 2—Applicant

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

2a. Name (Last, First, Middle)

Wiggins, Laura Ann

2b. Organization (If applicable)

USACE

2c. Mailing Address (Street or PO Box)

201 N 3rd Ave

2d. City, State, Zip

Walla Walla, WA, 99362

2e. Phone (1)

2f. Phone (2)

2g. Fax

2h. E-mail

509-527-7249

321-274-7316

NA

Laura.a.wiggins@usace.army.mil

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.
- 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.

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)			
Erickson, Michael, S.			
3b. Organization (If applicable)			
USACE			
3c. Mailing Address (Street or PO Box)			
N 201 3 rd St.			
3d. City, State, Zip			
Walla Walla, WA, 99362			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail
509-527-7288			Michael.s.erickson@usace.army.mil

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 type="checkbox"/> Private			
<input checked="" 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]			
No physical address. Project is closest to Wye Park: 1604 Columbia Park Tail			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Richland, WA 99352			
5d. County [help]			
Benton			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
Northeast	30	09 North	29 East
5f. Provide the latitude and longitude of the project location. [help]			
• Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)			
46.238328, -119.225278			
5g. List the tax parcel number(s) for the project location. [help]			
• The local county assessor's office can provide this information.			
NA, Federal Property			
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)	

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

There are no wetlands or wetland buffers within the Project area or adjacent.

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

Yakima River, Columbia River

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 riparian zones within the Yakima River Delta (Delta) are primarily made up of riparian and grassland ecosystems. Much of the surrounding vegetation in the Delta consists of non-native, invasive Russian olive (*Elaeagnus angustifolia*). However, scattered throughout the area are patches of native, mature cottonwoods (*Populus spp.*), willows (*Salix spp.*), currant (*Ribes spp.*), and Nootka rose (*Rosa nutkana*).

Invasive terrestrial species include spotted knapweed (*Centaurea maculosa*), cheatgrass (*Bromus tectorum*), Russian olive (*Elaeagnus angustifolia*), yellow star-thistle (*Centaurea solstitialis*), Canada thistle (*Cirsium arvense*), Russian thistle (*Salsola tragus*), purple loosestrife (*Lythrum salicaria*), common reed (*Phragmites australis*), tree-of-heaven (*Ailanthus altissima*), and non-native cattail (*Typha latifolia*).

The Delta encompasses three main aquatic habitats: the cooler pools of the mainstem Yakima River, the mainstem of the Columbia River, and the warmer backwater environment west of Bateman Island. The Delta supports habitats of both migratory anadromous fish and resident native and non-native fish species, offering both seasonal and year-round refuge.

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

The City of Richland classifies the Delta as a Natural Open Space to be used for recreation and wildlife viewing.

Boating. There are many types of water sports available within the Delta. The primary activity is boating, which is facilitated by Columbia Park Marina and the adjacent City of Richland public boat launch at Columbia Park West. The marina and boat launch are located on the southern end of the Delta and provide utility services and a parking lot with trailer parking. The boat launch offers easy access to the Columbia, Snake, and Yakima Rivers; and provides moorage for approximately 104 boats, with overnight stays of up to 5 days. Primitive launch sites are also available at nearby Wye Park (and Columbia Point, although outside of the study area). Other water sports include rowing, paddleboarding, wakeboarding, kayaking, and fishing. The Tapteal Water Trail is a 30-mile water trail through the lower Yakima River which Tapteal Greenway plans to extend to Bateman Island.

Walking/Hiking Trails. The Columbia Park Trail and Sacagawea Heritage Trail (3.67 trail miles) trails provide visitors with an opportunity to explore the Delta through a network of trails that extend to the Yakima Delta HMU. There are 2 miles of trails managed by Tapteal Greenway used by bikers, hikers, and horseback riders that connect to Chamna Natural Preserve (greater than 11 miles of trails) and other recreational sites throughout the Tri-Cities area. Mountain biking is also allowed on all trails.

Birdwatching. From September to June, the Lower Columbia Basin Audubon Society conducts bird walks on Bateman Island, which is part of the Sun and Sage Loop of the Great Washington State Birding Trail. The island is accessible only by foot or bicycle via the causeway. The causeway, with the Delta to the west and the Columbia River to the east, is the prime vantage point for viewing shorebirds and waterfowl. A circular trail system of more than two miles covers most of the island.

Picnicking and other park activities are also available in Columbia Park West and Wye Park.

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

The zones surrounding the project area consist of largely commercial/ industrial business and single/ multi-family residential areas. The lower Yakima River above the Delta consist of floodplains, commercial recreation, residential, and agricultural zoning areas. A railroad and highway bisect the Delta into eastern and western sections.

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

Prior to the completion of McNary Dam and the impoundment of Lake Wallula, the previous landowners constructed a causeway granting access to Bateman Island by land. The causeway is maintained for emergency vehicle and recreational foot traffic access to the island and is approximately 500 feet long by 40 feet wide. It was constructed between 1939 and 1940 for agricultural access and is composed of earthen material which has been reinforced with rock riprap over time. It is a barrier for river flow, boats, and fishes.

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

The Delta is located at the confluence of the Columbia and Yakima Rivers, at approximately Columbia River Mile 335. Bateman Island lies just east of the Delta, with an earthen causeway running from the south side of the Delta to Bateman Island. Wye Park sits on the west side of the causeway and Columbia Park Marina sits along the east side of the causeway. To get to the nearest highway from the Bateman Island Causeway, turn onto Columbia Park Trail Rd, then turn right onto N Columbia Center Blvd. Continue forward for less than a mile until you reach WA-240.

Part 6—Project Description

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

This project would remove the causeway that connects Bateman Island to the mainland in order to allow passage for ESA-listed fishes and restore natural flows of the river system.

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

The purpose of the proposed action is to improve ecosystem structure, function, and processes of the Delta, near Richland, Washington, to benefit native fish and wildlife, including juvenile and adult salmon and steelhead as they migrate through the Delta.

The proposed action is needed because the construction and ongoing Operation and Maintenance of McNary Lock and Dam and the Tri-Cities Levees on the Columbia River has contributed to the degradation of the ecosystem within the Delta including poor habitat conditions for native fish and reduced biodiversity. Impounding the Columbia River reduced the energy and volume of flows entering the Delta, which in turn creates a thermal barrier that delays the entrance of adult salmonids

into the Yakima River. These delays to upstream migration contribute to increased straying, diminished health, and lower reproductive success in adult salmonids.

Sedimentation from inundation, in combination with blocked flows south of Bateman Island, created a large stagnant, shallow backwater environment with higher water temperatures and also supports large monotypic stands of stargrass and algal mats that cause extreme daily fluctuations of dissolved oxygen (hyperoxic to anoxic). Dissolved oxygen levels are crucial for the respiration of aquatic organisms and coldwater fish species, such as salmonids (salmon, steelhead, and trout), are especially sensitive to fluctuations in dissolved oxygen due to their threshold for oxygen concentration being greater and narrower than other warm water fish species. In addition to the direct impacts on juvenile salmon and steelhead health, the backwater conditions support multiple species of predatory fish, which prey on juvenile salmon during their outmigration.

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

- | | | | | |
|--------------------------------------|---|--|---|---------------------------------------|
| <input type="checkbox"/> Commercial | <input type="checkbox"/> Residential | <input type="checkbox"/> Institutional | <input type="checkbox"/> Transportation | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Maintenance | <input checked="" type="checkbox"/> 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: Removal of causeway connecting the mainland to Bateman Island.

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.

Removal of the causeway would involve contractors utilizing heavy equipment that would lead to disturbance of the north-most portion of the corridor, (an area measuring roughly 200 feet x 300 feet) where the causeway abuts the shoreline. Removal of vegetation and the prepping of the existing surface along the south shore of the island will be required to facilitate contractor access to the work site. There would be approximately 37K CY of material with 500 linear feet of causeway removal and 800 linear feet of work area. Removal of the causeway would involve a cut of 37K CY of material over an 800-foot-long alignment. A partial removal of the north portion of the causeway would reduce the volume of the cut to 16K CY over a 250-foot portion of the alignment. No excavation is being proposed at the intact sections of the island or shoreline. This is intentional to minimize and eliminate any excavation into the shoreline or island to the greatest extent possible.

It is anticipated that disturbance of the existing subsurface materials within the boundaries of the shoreline can be minimized, if not eliminated, during design and construction by providing requirements and constraints in the construction specifications that require the contractor to protect the existing subsurface materials. Some options available include requiring the contractor to operate on additional fill or temporary matting placed in the construction area(s) to operate heavy equipment from during construction. The practicability of such options would be assessed during the design phases and implemented as appropriate.

The construction activities, by the nature of the project, would occur in close relation to the back water environment on the west side of the causeway and the Columbia River on the east side of the causeway. According to the FEMA floodplain mapping tool, the project in its entirety would be within the 100 year floodplain.

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: December 2025

End Date: February 2026

☐ See JARPA Attachment D

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

\$13,749,000

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]
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
7c. Will the project impact wetland buffers? [help]
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
7d. Has a wetland delineation report been prepared? [help]
<ul style="list-style-type: none"> If Yes, submit the report, including data sheets, with the JARPA package.
<input type="checkbox"/> Yes <input type="checkbox"/> No
7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [help]
<ul style="list-style-type: none"> If Yes, submit the wetland rating forms and figures with the JARPA package.
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [help]
<ul style="list-style-type: none"> 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.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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]
n/a
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

The water bodies surrounding the Bateman Island causeway, the Yakima River back water environment (west side) and Columbia River (east side), would be temporarily impacted by the deconstruction of the causeway. There is no practical method to avoid impacts caused by heavy construction and excavation of the causeway while being so near to water bodies on either side. However, in the long term the removal of the causeway is intended to improve water quality, and the overall ecosystem. By removing the causeway, the water flowing out of the Yakima River would be allowed to continue to flow into the Columbia River. This is beneficial for the ecosystem because it eliminates the backwater environment on the western side of the causeway. The stagnant water within the backwater environment is dangerously warm for cold water species, like salmon and steelhead and promotes the growth of invasive aquatic plant species and algae blooms which cause drastic fluctuations in dissolved oxygen concentrations. Overall, the removal of the causeway would have negligible short-term impacts and positive long-term impacts.

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

No mitigation will be conducted with the removal of a causeway. The removal is a restoration activity.

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. [\[help\]](#)

NA

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
Clear vegetation	Yakima River	Directly adjacent	12 wks	n/a	n/a
Remove causeway	"	in	"	39,870 cy removed	800 linear ft
Stabilize Bateman shoreline	"	in	"	41 CY removed, 62 cy placed.	75 linear ft
Stabilize main shoreline	"	"	"	51 cy removed, 77 cy placed	100 linear ft

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. [\[help\]](#)

See main report for added details. Removed material to be re-used for stabilization work. Excess material to be disposed of in an appropriate upland location.

- Hauling approximately 62 cubic yards (cy) rock and soil materials across the causeway to Bateman Island to a stockpile for later use to stabilize the exposed island shoreline
- Removal of the entire 560-foot-long causeway using a long reach arm excavator to cut 39,870 cy of material over an 800-foot-long alignment.
- Stabilization of the Bateman Island shoreline by excavation of 41 cy to create a toe four feet below the river bottom and three feet out for the placement of 62 cy of shoreline stabilization materials. This work will be accomplished from the causeway before causeway removal progress prohibits reaching the Bateman Island shoreline.
- Stabilization of the mainland shoreline by excavation of 51 cy to create a toe four feet below the river bottom and three feet out for the placement of 77 cy of shoreline stabilization materials.

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. [\[help\]](#)

Long arm excavator and dump truck are the main equipment.

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	Email jensen.amy@epa.gov; burgess.sarah@epa.gov	Most Recent Date of Contact
WDFW	Michael Livingston	michael.livingston@dfw.wa	
State of WA Ecology	Laura Inouye, Loree Randall, Jessica Hausman	Lino461@ECY.WA.GOV; lora461@ECY.WA.GOV; jemo461@ECY.WA.GOV	
EPA	Amy Jensen, Sarah Burgess	jensen.amy@epa.gov; burgess.sarah@epa.gov	

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

Category 4C

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.

17020016

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 #.

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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: NA

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: 2024 Stormwater Management Manual for Eastern Washington

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

- If Yes**, please describe below.

☒ Yes ☐ No

Sediment sampling was conducted in May 2024 with laboratory analysis completed in June 2024. All sediments, with the exception of nickel, were found to be under toxic thresholds. Nickel was found to be over the exceedance; however, it was determined that background conditions in the Columbia River east of Bateman Island suggests naturally occurring nickel concentrations in this area are greater than the Sediment Cleanup Objective SCO, and that the nickel values measured in the Delta are not indicative of contamination, but rather natural, in-situ conditions

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

Prior to the completion of McNary Dam and the impoundment of Lake Wallula, the previous landowners constructed a causeway granting access to Bateman Island by land. The causeway is maintained for emergency vehicle and recreational foot traffic access to the island. The causeway is approximately 500 feet long by 40 feet wide. It was constructed between 1939 and 1940 for agricultural access.

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. [\[help\]](#)

Columbia River Bulltrout (*Salvelinus confluentus*)
Yellow-billed Cuckoo (*Coccyzus americanus*)
Upper and Middle Columbia River Steelhead (*Oncorhynchus mykiss*)
Upper Columbia Spring Chinook Salmon (*Oncorhynchus tshawytscha*)
Gray Wolf (*Canis lupus*)
Monarch Butterfly (*Danaus plexi*)

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. [\[help\]](#)

Fishes – river lamprey, leopard dace, Umatilla dace, bull trout/Dolly Varden, Chinook salmon, rainbow trout, sockeye salmon, mountain sucker, marginated sculpin
Mollusks – shortface lanx, Columbia pebblesnail, California floater
Birds – American white pelican, western grebe

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 **Error! Hyperlink reference not valid.** <https://ecology.wa.gov/regulations-permits/SEPA-environmental-review>.

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

☒ A SEPA determination is pending with WDFW (lead agency). The expected decision date is April 31, 2025.

☐ 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): Federal Project on Federal Land

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](#)

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
☐ Authorization to impact waters of the state, including wetlands (Check this box if the proposed impacts are to waters not subject to the federal Clean Water Act)

FEDERAL AND TRIBAL GOVERNMENT

United States Department of the Army (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:

For projects or bridges over waters of the United States, contact the U.S. Coast Guard at:

- ☐ Bridge Permit:
☐ Private Aids to Navigation (or other non-bridge permits):

United States Environmental Protection Agency:

- ☐ Section 401 Water Quality Certification (discharges into waters of the U.S.) on tribal lands where tribes do not have treatment as a state (TAS)

Tribal Permits: (Check with the tribe to see if there are other tribal permits, e.g., Tribal Environmental Protection Act, Shoreline Permits, Hydraulic Project Permits, or other in addition to CWA Section 401 WQC)

- ☐ Section 401 Water Quality Certification (discharges into waters of the U.S.) where the tribe has treatment as a state (TAS).

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. _____ (initial)

Applicant Printed Name

Applicant Signature

Date

WIGGINS.LAURA.ANN.1617429485

Digitally signed by WIGGINS.LAURA.ANN.1617429485
Date: 2025.04.07 15:33:55 -07'00'

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.

Property Owner Printed Name

Property Owner Signature

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. 09/2018