

Water Quality Certification Processing
Request to the Washington Department of Ecology

Received
Electronically
April 7 2016

Project Name Skamania Hatchery Weir

Applicant WDFW

Contact Name Tim Ward

Phone Number 360-902-8372

Address 600 Capitol Way N., Olympia WA

98501

Check those statements below which correspond to your project.

1. **Withdrawal of certification request:**

I would like to withdraw my request for certification. I do not intend to pursue certification of this project at this time.

I would like to withdraw my request for certification and re-apply for certification. I understand that this will extend the review period for this project of one additional year.

2. **Changes to project:**

There are no changes in my project proposal which would affect water quality.

There are changes in my project proposal that may affect water quality. (If this answer is selected, please attach a new JARPA explaining the changes and their impacts on water quality.)

I am authorized to make this request on behalf of this applicant.

Signature Tim Ward Date 4/7/2016



WASHINGTON STATE
Joint Aquatic Resources Permit
Application (JARPA) Form ^{1,2}

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: _____

Agency reference # **RECEIVED**

Tax Parcel #(s): _____

APR 16 2015

WA State Department
of Ecology (SWRC)

Part 1--Project Identification

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

North Fork Washougal Weir and Adult Handling Facility

Part 2--Applicant

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

2a. Name (Last, First, Middle)			
Ward, Tim			
2b. Organization (If applicable)			
Washington State Department of Fish and Wildlife			
2c. Mailing Address (Street or PO Box)			
600 Capitol Way N.			
2d. City, State, Zip			
Olympia, WA 98501-1091			
2e. Phone (1)	2f. Phone (2)	2g. Fax	2h. E-mail
(360) 902-8372	()	()	Tim.Ward@dfw.wa.gov

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.epermittling.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office of Regulatory Assistance at 1-800-917-0043 or help@ora.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)			
Lynde, Marcelle			
3b. Organization (If applicable)			
GeoEngineers, Inc.			
3c. Mailing Address (Street or PO Box)			
8410 154th Avenue NE			
3d. City, State, Zip			
Redmond, WA 98052			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail
(425) 861-6114	(425) 241-2439	(425) 861-6050	mlynde@geoengineers.com

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 type="checkbox"/> Federal <input checked="" 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]			
391 Steelhead 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]			
Washougal, Washington, 98671			
5d. County [help]			
Skamania			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
NE	32	2 North	05 East
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) 			
45.62247 N lat. / -122.21625 W 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. 			
02053210010000, 02052900070000			
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)
Kent Burns	PO Box 134 Amboy, Washington 98601		02053210020100
Burns Lester FAM LTD Partnership and Burns and Burns Timber MGT. Inc.	3315 NE 163rd Street Ridgefield, Washington 98642		02053210020000 0205290008000
Skamania County	PO Box 790 Stevenson, Washington 98648		02052900050300
Dennis and Leann Collins	432 Dale Road Washougal, Washington 98671		02052900040900

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

N/A - no wetlands on or adjacent to the project work location.

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

West Fork Washougal 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 project area is located on the West Fork Washougal River, at the south end of the Skamania Hatchery (hatchery) facilities adjacent to the existing fish ladder and fish ponds. The stream is approximately 100 feet wide and the substrate is composed of bedrock with some cobbles and gravel present.

The eastern bank is composed of riprap and bedrock and is relatively steep from the top of the bank down to the stream. Native vegetation is located in a thin (approximately 20 feet) strip along the eastern bank in the vicinity of the hatchery. Vegetation is composed of Douglas fir (*Pseudotsuga menziesii*), bigleaf maple (*Acer macrophyllum*), western hemlock (*Tsuga heterophylla*), red alder (*Alnus rubra*), salmonberry (*Rubus spectabilis*), snowberry (*Symphoricarpos albus*), salal (*Gaultheria shallon*), red elderberry (*Sambucus racemosa*), youth-on-age (*Tolmiea menziesii*), false lily-of-the-valley (*Malanthemum dilatatum*), sword fern (*Polystichum munitum*) and lady fern (*Athyrium filix-femina*).

The west bank of the West Fork Washougal River was observed to be forested with some residential homes. Vegetation was similar to the vegetation on the eastern side of the river. The western bank was not as steep as the eastern side.

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

The Skamania Hatchery was constructed in 1956 on the West Fork Washougal River in order to propagate summer-run steelhead (*Oncorhynchus mykiss*). In 1959, due to low numbers of Washougal summer run steelhead returning, summer steelhead from the Klickitat River were transferred for spawning. In 1963 the two stocks were mixed, resulting in what is now Skamania summer steelhead. The summer steelhead are used as parent stock for runs created at other hatcheries throughout the state.

Since 1986, only hatchery-origin broodstock have been used for propagation, identified by a clipped adipose fin. Natural-run fish are released back to the West Fork Washougal upstream of the fish ladder. Approximately 60,000 Skamania-origin hatchery winter steelhead smolts and 60,000 hatchery summer steelhead smolts are released annually into the Washougal River.

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

The main hatchery facilities are located in a rural residential area. The surrounding area is composed of forest habitat, roads and residential development.

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

Structures on the property are associated with the fish hatchery facility. Buildings and the intake facility are located in the north part of the property. The main office with associated parking lot and rearing ponds are located in the center of the property. The fish ladder, adult fish ponds, and care taker home are in the south part of the property where the proposed work will take place. Gravel roads extend throughout the facility. Vegetation surrounding these structures is composed mainly of mowed grasses with scattered trees and shrubs throughout.

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

From I-5 South take a slight right onto I-205 South (signs for Salem/WA-14/I-84) and follow for 10 miles. Take exit 27 for WA-14W toward City Center/Camas. Keep left at the fork and follow signs for WA-14 E/Camas and merge onto WA-14E and follow for approximately 10 miles. Turn left onto Washougal River Road and follow for approximately 11 miles. Turn left onto Labarre Road and then turn left onto N Fork Road. Take the second left onto Steelhead Road and follow until you reach the hatchery.

Part 6--Project Description

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

The project includes development of a barrier weir just upstream of the existing adult collection ladder. The barrier will prevent fish from migrating upstream and guide adult salmonids, including steelhead, into the adult collection ladder. The project also includes modifications to the adult holding pond that will allow direct transfer of natural-origin adults, via a return pipeline, to a deep pool in the river near the holding pond. Natural-origin adults returned to the river could continue their upstream migration or hold until flows are adequate for continued upstream migration.

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

The project is intended to aid in the development of a natural-origin only spawning population of steelhead in the West Fork upstream of the hatchery collection ladder. Currently entry into the hatchery ladder and holding ponds is voluntary as migrating adults can avoid collection by navigating the natural falls just upstream of the ladder entrance. The barrier weir would force all upstream migrants into the adult holding ponds, where staff could remove hatchery fish and transfer wild fish back to the river.

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

Other:

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

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

Design drawings provided by MWH Americas are attached. The project can be divided into three primary components: Work above OHWM; work below OHWM; and site restoration/cleanup. Below is a brief construction sequence and more detail about the primary components of the project.

Sequencing

- Install temporary erosion and sediment controls.
- Place Phase 1 cofferdam and divert river to the south.
- Remove existing rip/rap and excavate for north abutment.
- Construct north half of barrier weir and abutment.
- Backfill north abutment and construct low retaining wall.
- Install fish return pipe.
- Replace rip/rap.
- Remove Phase 1 cofferdam.
- Place Phase 2 cofferdam and divert river through stoplog section of barrier weir.
- Construct south half of barrier weir and south abutment.
- Backfill south abutment and place rip/rap.
- Remove Phase 2 cofferdam.
- Construct low earthen berm and hydroseed.
- Remove temporary sediment and erosion controls.

Work Above OHWM

■ **Temporary Erosion and Sedimentation Control (TESC) BMP Installation.** General TESC BMPs will be installed prior to beginning the construction activities. BMPs that will be implemented for the project will include, but will not be limited to, the following:

- Accepted and approved erosion protection measures, such as silt fence, jute mesh, straw mulch, or silt fences will be used to prevent soil loss.
- Stabilized construction entrances will be established and used throughout construction.
- Filter fence barriers will be established if necessary around staging and stockpile areas.
- Construction equipment hoses and fittings will be inspected and replaced, if necessary, before equipment is used to minimize the potential for mechanical and hydraulic oil spills.
- Distinct fueling areas within the construction areas will be identified above OHWM and equipped with spill prevention and control devices.
- Adequate TESC materials will be placed on-site to respond to unanticipated weather conditions or accidental releases of materials (sediment, concrete or fuel).
- Construction limits will be marked prior to start of construction.
- A formal TESC plan will be developed and specify additional BMPs to be implemented when working in or adjacent to the stream.

■ **Construct Low Retaining Wall**

■ **Construct Low Earthen Berm**

Work Below OHWM

- **Temporary Cofferdam Installation.** The project has been divided into two phases to separate the north (Phase 1) and south (Phase 2) areas of the river and allow for continuous water flow through the river channel during project activities below the OHWM. The northern cofferdams will be constructed first to dewater the northern half of the project area and allow for work to be completed in the north half.

The work area will be dewatered by installing cofferdam structures adjacent to the fish ladder facilities. The cofferdams will be sized to allow for just enough room to complete the work. The cofferdams may be made of large sandbags filled with clean, washed sand, or they may consist of Port-a-dam® or similar system, which will likely have steel or ecology block framework that supports a heavy duty plastic membrane/tarp. After construction activities below the OHWM in the northern half are completed the north Phase 1 cofferdam will be removed and the southern Phase 2 cofferdam will be installed to dewater the south half of the river.

- **Dewatering the Work Area and Fish Removal.** The work area will be dewatered by installing the cofferdam around the immediate work area. Water will be allowed to flow in the south half of the river when the northern cofferdam is installed and will flow in the north half of the river when the southern cofferdam is installed. Because the water will be allowed to flow downstream, fish migration will not be impacted. The area that will be dewatered (both in Phase 1 and 2) will be seined and fish will be herded out of the project area prior to complete installation of the cofferdams. The exclusion areas will be pumped dry as necessary using an appropriate sized pump with screens that adhere to NMFS guidelines for screening. Water will be pumped into an upland temporary settling area with appropriate BMPs prior to re-entering the stream. If fish are observed within the work area during pumping they will be seined out of the project area. Handling of listed fish species is not expected.
- **Construct Barrier Weir and Abutment:** Once the site has been dewatered the rip/rap will be removed and excavation for the north abutment will begin. Once excavation has been completed the northern half of the barrier weir and abutment will be constructed. The abutment will then be backfilled. Once the south half of the river has been dewatered (Phase 2), the south half of the barrier weir and abutment will be constructed. The south abutment will be backfilled and rip/rap placed overtop to secure this area of the weir.
- **Stoplog Installation:** The stoplog section will be constructed to accommodate low flow conditions. This will enable hatchery personnel to lower the weir height on one area to direct channel flow to one side of the river. This will discourage fish from jumping onto and becoming stranded on the weir apron.
- **Install Fish Return Pipe:** The release point for the wild steelhead is via the fish return pipe. The fish return pipe will extend from the southeast corner of the adult holding pond to the river at a point approximately 80-feet upstream of the weir.

Site restoration/cleanup.

- **Native planting and hydroseeding.** Although it is not expected, if bare soils are exposed due to construction equipment accessing the area, the impacted areas will be hydroseeded as needed. The species to be used will be consistent with existing conditions found adjacent to the stream, including native grasses and clovers.
- **Erosion control feature removal.** The temporary erosion control measures and BMPs will be removed when construction activities are completed and it has been determined that the structures installed are functioning correctly.

Stream Introduction. The cofferdam structures will be removed to restore natural flows once the project has been completed. Heavy machinery operating from the bank may be used to aid in the removal of exclusion structures. The construction site will be slowly re-watered to prevent a sudden increase in stream turbidity.

<p>6f. What are the anticipated start and end dates for project construction? (Month/Year) [help]</p> <ul style="list-style-type: none"> If the project will be constructed in phases or stages, use <u>JARPA Attachment D</u> to list the start and end dates of each phase or stage.
<p>Start date: <u> Summer 2015</u> End date: <u> Fall 2017</u> <input type="checkbox"/> See JARPA Attachment D</p>
<p>6g. Fair market value of the project, including materials, labor, machine rentals, etc. [help]</p>
<p>Approximately \$500,000</p>
<p>6h. Will any portion of the project receive federal funding? [help]</p> <ul style="list-style-type: none"> If yes, list each agency providing funds.
<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know Pacific Coast Salmon Recovery Fund</p>

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]

<p>7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [help]</p> <p><input type="checkbox"/> Not applicable</p>
<p>7b. Will the project impact wetlands? [help]</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know</p>
<p>7c. Will the project impact wetland buffers? [help]</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know</p>
<p>7d. Has a wetland delineation report been prepared? [help]</p> <ul style="list-style-type: none"> If Yes, submit the report, including data sheets, with the JARPA package. <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [help]</p> <ul style="list-style-type: none"> If Yes, submit the wetland rating forms and figures with the JARPA package. <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know</p>
<p>7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [help]</p> <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. <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable</p>
<p>7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [help]</p>

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

Conservation measures and Best Management Practices (BMPs) will be utilized during implementation of the project to avoid impacts to listed species and critical habitat. Conservation measures will focus on minimizing the noise and the possibility of spills. Special measures will be taken to ensure that all waste will be disposed of off-site and in accordance with applicable regulations, that materials and procedures are available on the site to respond to unanticipated weather conditions or accidental releases of materials, and that a protocol for contacting WDFW is available in the event that activities are observed to result in fish kills, fish in distress or other water quality problems.

General Conservation Measures

- Temporary Erosion and Sediment Control (TESC) plan will be fully implemented as part of a Stormwater Pollution Prevention Plan (SWPPP). Construction techniques will utilize BMPs such as those described in the 2010 version of WSDOT's Standards and Specifications for Road, Bridge, and Municipal Construction and Ecology's Stormwater Management Manual for Western Washington (Ecology, 2005). Appropriate erosion control measures will be erected at appropriate locations.

- The contractor will prepare a Spill Prevention, Control and Countermeasures (SPCC) Plan for this project. Any potential spills will be handled and disposed of in a manner that does not contaminate the surrounding area. Adequate materials and procedures to respond to unanticipated weather conditions or accidental releases of materials (sediment, petroleum hydrocarbons, etc.) will be available on site. The SPCC Plan will also ensure the proper management of oil, gasoline and solvents used in the operation and maintenance of construction equipment and that equipment remains free of external petroleum-based products prior to entering the work area and during the work, and for making any necessary repairs prior to returning the equipment to operation in the work area.
- An emergency spill containment kit must be located on site along with a pollution prevention plan detailing planned fueling, materials storage and equipment storage. Waste storage areas must be prepared to address prevention and cleanup of accidental spills.
- All construction-related debris will be cleaned up on a daily basis. Proper conservation measures will be taken to ensure that debris will not contaminate the stream waters.
- Waste materials, including any concrete, riprap, miscellaneous garbage and/or other debris removed from the project site, will be transported off site for disposal in accordance with applicable regulations.
- Work will be in compliance with all other local, state and federal regulations and restrictions.
- Excavation will be limited to those areas necessary for access to the work areas and construction activities. The construction limits will be marked in the field and equipment will not be allowed outside the work area.
- Site preparation and construction activities near the water will be conducted during the summer period of drier weather.
- A dewatering and bypass plan will be implemented, to limit work in wet conditions.
- Adequate materials will be maintained on-site to respond to weather conditions and modify the construction plan as needed to accommodate unanticipated events.
- Routine inspections of the erosion control measures will be conducted daily during construction to ensure the effectiveness of the measures and to determine the need for maintenance or additional control measures.
- Grading and construction will be phased to reduce the time that soil is exposed to the extent possible.
- Silt fences will be constructed around excavation areas.
- Spoil stockpiles will be used to reduce the introduction of fine sediments into adjacent waters.
- Disturbed areas will be hydroseeded as needed.
- Disturbance will be limited to the smallest area feasible for each phase of the project and element under construction and will stay within the limits of construction as identified on the site plans.
- Fueling areas will be distinctly identified and established outside of sensitive areas, but within the construction area. These areas will be equipped with spill prevention and control devices.

Measures to Reduce Impacts to Species and Habitats

- The project will obtain and comply with conditions that will be outlined in the HPA permit issued for the project by WDFW and the Nationwide 404 Permit issued by the USACE.
- All work below the OHWM of the stream channel will be conducted during the approved work windows for fish species that may occur in the project area.
- All debris resulting from construction shall be removed from the project area and prevented from entering the stream.
- Construction procedures have been designed to minimize the opportunity for erosion to occur or sediment-laden water to enter downstream areas.
- Depending on slope and weather conditions, filter fences will be installed along the perimeter of the work areas to help confine sediment and runoff. Straw bales will be added if concentrated surface water flow is observed.
- Excavation equipment and other machinery for placing large structures from the landward side of the project, will be used to avoid direct disturbance to stream.

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

Yes No

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

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

Yes No Not applicable

A mitigation plan has not been prepared because the proposed project is intended to facilitate maintenance of genetic integrity of listed wild steelhead in the river. This will be achieved by forcing all returning fish into the hatchery for sorting. Hatchery fish will be retained and wild fish will be returned to stream above the velocity barrier.

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. [\[help\]](#)

N/A – A mitigation plan has not been completed.

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
Excavation	West Fork Washougal River	Below OHW	Permanent	35 cubic yards	1100 sq. ft.
Fill	West Fork Washougal River	Below OHW	Permanent	200 cubic yards	1100 sq. ft.
Excavation	West Fork Washougal River	Above OHW	Permanent	430 cubic yards	2000 sq. ft.
Fill	West Fork Washougal River	Above OHW	Permanent	460 cubic yards	3000 sq. 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. [\[help\]](#)

The proposed project actions will require fill and excavation to be completed. The table below describes the amount of fill and excavation along with the fill materials for each project action.

EXCAVATION AND FILL QUANTITIES BROKEN DOWN BY PROJECT ACTIONS

Project Action	Above OHW		Below OHW		Fill Material
	Excavation	Fill	Excavation	Fill	
Earthen Berm	0	95	0	0	Earth fill
Low Retaining Wall	50	40	0	0	12 cubic yards crushed gravel, 8 cubic yards of quarry spalls, 20 cubic yards of earth fill
Left Abutment (north)	280	385	30	175	190 cy. of rocks (above OHW), 120 cy. of concrete (below OHW), remainder is structural fill
Right Abutment (south)	150	25	0	0	concrete fill
Rip/rap	0	50	0	0	36 inch diameter rock
Weir	0	0	5	10	No fill, concrete poured against bedrock
Fish Return Pipe	0	0	0	15	quarry spalls

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. [\[help\]](#)

Excavation activities will be completed using heavy machinery that will be located on the upland banks of the West Fork Washougal River. Approximately 140 cubic yards of material will be excavated from below the OHWM and approximately 480 cubic yards will be excavated from above the OHWM and adjacent to the West Fork Washougal River. Excavation materials will largely consist of native soil materials. The materials will be disposed of in an approved upland location.

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
		()	
		()	
		()	
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]			
<ul style="list-style-type: none"> • If Yes, list the parameter(s) below. • If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: http://www.ecy.wa.gov/programs/wq/303d/. 			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Within the vicinity of the project work area, West Fork Washougal River is not listed on the 303(d) list.			
9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]			
<ul style="list-style-type: none"> • Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC. 			
17080001			
9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]			
<ul style="list-style-type: none"> • Go to http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm to find the WRIA #. 			
28 (Salmon - Washougal)			
9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]			
<ul style="list-style-type: none"> • Go to http://www.ecy.wa.gov/programs/wq/swqs/criteria.html for the standards. 			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable			
9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]			
<ul style="list-style-type: none"> • If you don't know, contact the local planning department. • For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html. 			
<input type="checkbox"/> Rural <input type="checkbox"/> Urban <input type="checkbox"/> Natural <input type="checkbox"/> Aquatic <input checked="" type="checkbox"/> Conservancy <input type="checkbox"/> Other _____			

<p>9g. What is the Washington Department of Natural Resources Water Type? [help]</p> <ul style="list-style-type: none"> Go to http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx for the Forest Practices Water Typing System. <p> <input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Fish <input type="checkbox"/> Non-Fish Perennial <input type="checkbox"/> Non-Fish Seasonal </p>
<p>9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help]</p> <ul style="list-style-type: none"> If No, provide the name of the manual your project is designed to meet. <p> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </p> <p>2012 Stormwater Management Manual for Western Washington:</p>
<p>9i. Does the project site have known contaminated sediment? [help]</p> <ul style="list-style-type: none"> If Yes, please describe below. <p> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>No the project site does not have contaminated sediment.</p>
<p>9j. If you know what the property was used for in the past, describe below. [help]</p> <p>The site has been used as a fish hatchery since 1957, when the Skamania Fish Hatchery was first constructed. It is not known what the property was used for prior to this.</p>
<p>9k. Has a cultural resource (archaeological) survey been performed on the project area? [help]</p> <ul style="list-style-type: none"> If Yes, attach it to your JARPA package. <p> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </p>
<p>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]</p> <p>Lower Columbia River Chinook (<i>Oncorhynchus tshawytscha</i>), threatened Lower Columbia River Coho (<i>Oncorhynchus kisutch</i>), threatened Lower Columbia River Steelhead (<i>Oncorhynchus mykiss</i>), threatened</p>
<p>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]</p> <p>Lower Columbia River Chinook (<i>Oncorhynchus tshawytscha</i>), threatened Lower Columbia River Coho (<i>Oncorhynchus kisutch</i>), threatened Lower Columbia River Steelhead (<i>Oncorhynchus mykiss</i>), threatened Cascade torrent salamander (<i>Rhyacotriton cascadae</i>), Candidate Bald Eagle (<i>Haliaeetus leucocephalus</i>), sensitive</p> <p>Lower Columbia River Chinook Salmon Designated Critical habitat Lower Columbia River Steelhead Designated Critical habitat</p>

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.ecy.wa.gov/opas/>.
- Governor's Office of Regulatory Assistance at (800) 917-0043 or help@ora.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 www.ecy.wa.gov/programs/sea/sepa/e-review.html.

- A copy of the SEPA determination or letter of exemption is included with this application.
- A SEPA determination is pending with Skamania County (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): _____

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](#)

Effective July 10, 2012, you must submit a check for \$150 to Washington Department of Fish and Wildlife, unless your project qualifies for an exemption or alternative payment method below. **Do not send cash.**

Check the appropriate boxes:

- \$150 check enclosed. (Check # _____)
Attach check made payable to Washington Department of Fish and Wildlife.
- Charge to billing account under agreement with WDFW. (Agreement # _____)
- My project is exempt from the application fee. (Check appropriate exemption)
- HPA processing is conducted by applicant-funded WDFW staff.
(Agreement # _____)
 - Mineral prospecting and mining.
 - Project occurs on farm and agricultural land.
(Attach a copy of current land use classification recorded with the county auditor, or other proof of current land use.)
 - Project is a modification of an existing HPA originally applied for, prior to July 10, 2012.
(HPA # _____)

Washington Department of Natural Resources:

- Aquatic Use Authorization

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

Washington Department of Ecology:

Section 401 Water Quality Certification

FEDERAL GOVERNMENT

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

Section 404 (discharges into waters of the U.S.)

Section 10 (work in navigable waters)

United States 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 [\[help\]](#)

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

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.

Timothy W Ward
Authorized Agent Printed Name

TW Ward
Authorized Agent Signature

4/9/15
Date

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

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

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

Timothy W Ward
Property Owner Printed Name

TW Ward
Property Owner Signature

4/9/15
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 of Regulatory Assistance (ORA) 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. ORA publication number: ENV-019-09 rev. 06-12



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



Attachment C:
Contact information for adjoining
property owners. [\[help\]](#)

Use this attachment only if you have more than four adjoining property owners.

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

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

Project Name: _____

Location Name (if applicable): _____

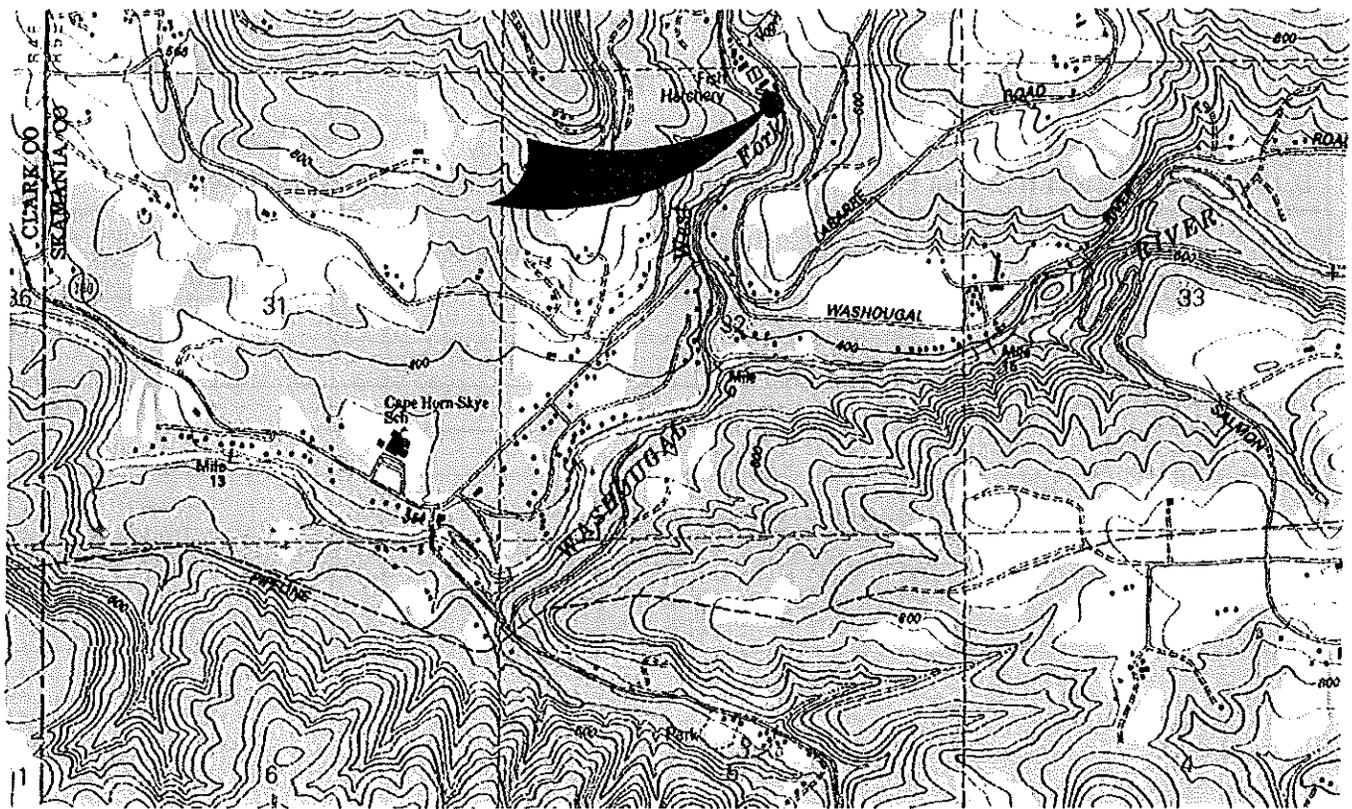
Use black or blue ink to enter answers in white spaces below.

1. Contact information for all adjoining property owners. [help]		
Name	Mailing Address	Tax Parcel # (if known)
Howard II and Loretta Kuhnle	PO Box 431 Washougal, Washington 98671	02052930080000
David Capron Victoria Bailey	562 River Road Washougal, Washington 98671	02052930090000
Gary Carpenter Melody Mckenzie	13427 NE 48 th Street Vancouver, Washington 98682	02052930100000
Jeffrey and Janae Hiersche	502 River Road Washougal, Washington 98671	02052930110000
Norman and Nancy Warren	4401 Washington Street Vancouver, Washington 98660	02052930120000
Riverside Estates Association	2256 39 th Street Washougal, Washington 98671	02052930070000
Patrick Luft Bonnie Carter	201 Jennifer Way Washougal, Washington 98671	02052930140000
Thomas and Lee Ellen Smart	131 Jennifer Way Washougal, Washington 98671	02052930130000

If you require this document in another format, contact the Governor's Office of Regulatory Assistance (ORA) 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. ORA publication number: ENV-022-09 rev. 06-12

1. Contact information for all adjoining property owners. [\[help\]](#)

Name	Mailing Address	Tax Parcel # (If known)
Gregory and Cathy Low	PO Box 27 Washougal, Washington 98671	02052930150000
Greene, Lorri Tanya EBY ET AL and D. Morasch ET AL TRST R Hanson	7413 SE Evergreen Highway Vancouver, Washington 98664-1717	02053220010000 02053242011000



DIRECTIONS:
 FROM WASHOUGAL, WA HEAD NORTH ON THE WASHOUGAL RIVER ROAD APPROXIMATELY 10.6 MILES. TURN LEFT ON NORTH FORK ROAD 0.4 MILES. TURN LEFT ON STEELHEAD ROAD APPROX 450 FEET.

LOCATION:
 NW 1/4 OF NE 1/4 OF SECTION 15, TOWNSHIP 2N, RANGE 5E OF THE WILLAMETTE MERIDIAN.

LATITUDE: 45 DEG 37' 13.9" N
LONGITUDE: 122 DEG 12' 58.7" W

<p>PURPOSE RESTRICT HATCHERY FISH FROM UPPER WEST FORK WASHOUGAL RIVER TO PROTECT WILD STEELHEAD RUNS.</p> <p>DATUM: ADJACENT PROPERTY OWNERS</p>	<p>NAME: FIGURE 1 VICINITY MAP SCALE: 1:24,000</p> <p>REFERENCE #:</p> <p>SITE LOCATION ADDRESS: SKAMANIA HATCHERY 391 STEELHEAD ROAD CAMAS, WA 98607</p>	<p>PROPOSED WORK: CONSTRUCTION OF FISH BARRIER WEIR</p> <p>IN: WEST FORK WASHOUGAL RIVER</p> <p>NEAR/AT: CAMAS COUNTY: SKAMANIA STATE: WA</p> <p>SHEET: 1 of 7</p>
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