



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 #: _____

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]
Silver Side Channel Revival

Part 2–Applicant

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

2a. Name (Last, First, Middle)			
Shales, Matt			
2b. Organization (If applicable)			
Cascade Columbia Fisheries Enhancement Group			
2c. Mailing Address (Street or PO Box)			
PO BOX 3162			
2d. City, State, Zip			
Wenatchee, WA. 98807			
2e. Phone (1)	2f. Phone (2)	2g. Fax	2h. E-mail
(509) 888-7268	(509) 860-9639	()	mshales@ccfeg.org

¹Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

²To access an online JARPA form with [\[help\]](#) screens, go to http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor’s Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@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)			
3b. Organization (If applicable)			
3c. Mailing Address (Street or PO Box)			
3d. City, State, Zip			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail
()	()	()	

Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.
- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete [JARPA Attachment E](#) to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
Washington Department of Fish and Wildlife			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
4d. City, State, Zip			
Olympia, Wa			
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 checked="" 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]			
N/A			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Nearest City: Twisp, WA. 98856			
5d. County [help]			
Okanogan			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
SW ¼ of SE 1/4	34	33N	22E
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) 			
48.310278 / 120.061667			
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. 			
3322340011			
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)	
Henry Tortora	PO BOX 216	3222030031	
	Carlton, WA 98814		
Margaret Hill	2847 HWY 153	3322350017	
	Twisp, WA 98856		
Tex Prewitt	2765 HWY 153	3222030043	
	Twisp, WA 98856		

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

Riverine, palustrine emergent, and scrub-shrub

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

Silver side channel, Methow 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. [\[help\]](#)

Existing vegetation was mapped on August 13, 2014 to depict the location and extents of dominant plant communities within the project area. There are five main plant communities within the side channel: palustrine emergent wetlands (sedges), palustrine emergent wetlands (reed canary grass), shrub scrub wetlands, deciduous shrub (alder, birch, willow), and deciduous tree (cottonwood) (Figure 8, design report). Ponderosa pine is encroaching throughout Prewitt's island and a lack of floodplain connectivity is resulting in a succession shift in the forest community. Within the footprint of the side channel, where ground water depths in the growing season remain high, there is significant deciduous tree and shrub regeneration that is inhibited by wildlife and livestock herbivory.

In the project area Silver side channel's width varies from 40-100ft, has a low gradient of 0.10%, and depths range from inches to just over a foot during base flows.

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

The property is owned by WDFW and WADNR. The property is currently used for recreation and as an access point to the Methow River.

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

All adjacent properties are rural residential and small-scale agriculture (pasture and hay production).

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

No structures exist on the property.

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

Traveling NW on Hwy 153 towards Twisp Wa, take left on Crossroads Lane. Proceed down gravel road for approximately 600ft to gated WDFW parking area on right. Proceed thru gate and immediately park. Cross and walk along fence to access side channel.

Location map provided below.

Part 6—Project Description

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

The goal of the Silver Side Channel project is to provide improved habitat for threatened and endangered salmonids in the near-term, while reestablishing the long-term ecosystem function of the project reach by developing channel, riparian, and floodplain conditions that are compatible with current hydrologic regimes. Habitat enhancement will be accomplished through selective excavation and fill to concentrate groundwater input, improve channel geometry, structure, and complexity appropriate to the flow regime, develop groundwater-fed alcove habitat, and improve fish-passage conditions throughout the channel. Unanchored woody material of all sizes will be added to enhance complexity, cover, and habitat development. Sections of the currently-wetted channel will become wetland floodplain that will be re-vegetated to provide shade, cover, and complex wetland habitat (hemi-marsh). Hemi-marsh habitat will also preserve and enhance the slow open water habitat currently present. Other degraded floodplain and riparian areas associated with this reach of the side channel will be fenced and selectively planted with appropriate native vegetation.

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

Silver side channel was created when the mainstem Methow River episodically avulsed between the mid 1950's and early 1960's back to its present day location, leaving behind an oversized channel relative to the available perennial groundwater. The hydrology of this side channel is dominated by groundwater inputs, and occasional (1-year event) overland flow. Past livestock grazing practices, and herbivory by native ungulates, within the riparian area have severely reduced and continue to limit recruitment of native riparian vegetation. Livestock management allowing unimpeded access to the channel has also resulted in a wide and shallow channel morphology, increased solar insolation, decreased structural and hydrologic complexity, and aggradation of fine sediment—impaired conditions that limit suitability for native fishes. Silver has been identified as a major opportunity to address limiting factors identified by the RTT for salmonid production in this reach of the Methow by providing off-channel rearing habitat. Our goals and objectives outlined below address this specific need but also provide important long-term and ecological function to the site.

Goals of the Silver Side Channel project:

- 1) Improve and increase Chinook and steelhead rearing habitat.
- 2) Restore and enhance riparian habitat for a variety of wildlife including: ungulates, water birds, amphibians, macro-invertebrate and terrestrial insects, neo-tropical migrant songbirds and beavers.
- 3) Develop channel, riparian and floodplain conditions that function and promote dynamic river processes at a wide range of flows including: scour, deposition, undercutting, wood recruitment and native plant succession.

Ecological objectives include:

- Chinook and steelhead rearing habitat – complex single thread channel with riffles, pools, runs, woody debris, alcoves, vegetated point bars and edge habitat
- Wildlife habitat that promotes safe cross-valley movement – fenced stands of existing regenerating cover
- Water bird habitat – creation of a hemi-marsh in the lower channel that maximizes edge habitat, promotes a diversity of aquatic plant zones and encourages natural accumulations of fine sediment to promote food production
- Amphibian, macro-invertebrate and terrestrial insect habitat – varied geomorphology to sustain areas of clean gravels, silt deposition, decaying wood and native plant diversity to encourage insect production and provide amphibian habitat
- Neo-tropical migrant bird habitat – native plant diversity in species and age-classes through planting and fencing; meadow restoration to sage-steppe
- Beaver habitat – eventual access to dam building materials, topography that promotes flooding and growth of vegetation
- Weed control and suppression – construction, restoration and maintenance strategies to inhibit weeds and promote native plant diversity

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

- Commercial
 Residential
 Institutional
 Transportation
 Recreational
 Maintenance
 Environmental Enhancement

6d. Indicate the major elements of your project. (Check all that apply) [\[help\]](#)

<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Culvert	<input type="checkbox"/> Float	<input type="checkbox"/> Retaining Wall (upland)
<input type="checkbox"/> Bank Stabilization	<input type="checkbox"/> Dam / Weir	<input type="checkbox"/> Floating Home	<input type="checkbox"/> Road
<input type="checkbox"/> Boat House	<input type="checkbox"/> Dike / Levee / Jetty	<input type="checkbox"/> Geotechnical Survey	<input type="checkbox"/> Scientific Measurement Device
<input type="checkbox"/> Boat Launch	<input type="checkbox"/> Ditch	<input type="checkbox"/> Land Clearing	<input type="checkbox"/> Stairs
<input type="checkbox"/> Boat Lift	<input type="checkbox"/> Dock / Pier	<input type="checkbox"/> Marina / Moorage	<input type="checkbox"/> Stormwater facility
<input type="checkbox"/> Bridge	<input type="checkbox"/> Dredging	<input type="checkbox"/> Mining	<input type="checkbox"/> Swimming Pool
<input type="checkbox"/> Bulkhead	<input type="checkbox"/> Fence	<input type="checkbox"/> Outfall Structure	<input type="checkbox"/> Utility Line
<input type="checkbox"/> Buoy	<input type="checkbox"/> Ferry Terminal	<input type="checkbox"/> Piling/Dolphin	
<input checked="" type="checkbox"/> Channel Modification	<input 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.

All channel excavation and fill will occur within the current wetted width of Silver Side Channel and 100 yr floodplain. No work is proposed in the Methow River. Construction staging and borrow pit are located outside of the 100yr floodplain on an adjacent upland site. See sheet 4 of design

A detailed, step-by-step construction sequence and access/staging is outlined on Sheet 4 (see: design drawings).

Most construction elements will occur within the area this is currently open water and in general work will proceed from upstream down. In order to facilitate construction, the channel within the area to be enhanced must be dewatered (Design Sheet 5). In general, a dual-pump system at the upstream extent will bypass incoming clear water flow. The upstream pump will discharge water into a well-vegetated swale where it can sub back into the ground and/or naturally filter before returning to the Methow river. We expect that intra-reach trash pumps will be utilized to further dewater the immediate work area as needed. Turbid water from trash pumps will be routed onto the nearby floodplain to sub back into the ground and/or naturally filter and return to Silver downstream of work area. At the downstream extent of Silver a submerged pump will capture and route any turbid water to a settling basin in the nearby upland field as it accumulates.

All equipment will enter the riparian area only at specified locations (Sheet 3). An excavator will be used to shape the new channel features; pools, glides, riffles and hemi-marsh. The excavated material will be placed adjacent to these features to build the base for the new floodplain surface or sedge point bars (Sheet 14). The excavator will place woody debris structures and riffle material (3 riffles) in channel. Where necessary borrow material will be hauled to work area and placed on sedge point bars to prepare sub-grade. At this time the upstream clear-water bypass will be shut off and surface flow returned to single thread channel. Engineers will verify elevations and flag areas that need adjustment to ensure our floodplain surface (sedge point bars) have adequate hydrology to sustain wetland vegetation. Silver has a very stable groundwater stage, the elevations of our created floodplain are below the elevation where existing palustrine emergent wetlands exist. Once elevations have been finalized the floodplain will be capped with a layer of weed free topsoil to create a productive growing medium for wetland mats, plugs, seed and other riparian species (Sheet 12).

Wetland sod, plugs, and seed are being furnished by North Fork Native Plants (Rexburg, ID) specifically for this project. Wetland materials will be placed over the imported fill, establishing a robust community of native sedges and rushes. Given the hydrology of the area, all channel margins and filled areas are intended to mimic the original Palustrine Emergent wetlands remaining in this area. This technique will result in a well-established community of wetland vegetation capable of withstanding high flow events, supporting abundant wildlife, as well as limiting the expansion of invasive weeds. Currently, the site has some non-native species concerns (particularly reed canary grass) which can be directly suppressed by the installation of sod mats.

At the conclusion of construction, all travel corridors, staging areas, and other impacted areas will be rehabilitated and planted with native vegetation. A deer fence will also be established to protect vegetation and encourage natural regeneration until it exceeds browse height and maintained for the indefinite future.

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: 7/12/16

End date: 8/17/16

See JARPA Attachment D

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

Estimated construction cost of \$445,000

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

This project was designed to provide a net gain in wetland function and area (1.27 acres of newly created palustrine emergent wetland). Construction ingress and egress was kept to a minimum and located where the least amount of riparian and wetland disturbance would occur. The upstream access point is already a disturbed area, and was once an old road/ford through Silver to access the hay field on the west side of the channel. The lower access was chosen to minimize riparian disturbance and tracts through primarily reed canary grass dominated wetland, no trees will be removed or damaged. Existing wetland sod along construction ingress/egress will be salvaged/stockpiled and haul routes will be hardened with gravel to prevent ruts. After construction gravel from haul routes will be removed, wetland sod will be replaced, wetland seed and or wetland plugs will be planted to enhance those areas from there currently degraded state. A site visit is planned for this spring with WADOE and USACOE to visit these impact areas and to confirm our approach.

When channel construction begins, equipment will move throughout the wetted width of the channel and avoid palustrine emergent wetlands.

7b. Will the project impact wetlands? [\[help\]](#)

Yes No Don't know

7c. Will the project impact wetland buffers? [\[help\]](#)

Yes No Don't know

7d. Has a wetland delineation report been prepared? [\[help\]](#)

- If **Yes**, submit the report, including data sheets, with the JARPA package.

Yes No

7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [\[help\]](#)

- If **Yes**, submit the wetland rating forms and figures with the JARPA package.

Yes No Don't know

7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [\[help\]](#)

- If **Yes**, submit the plan with the JARPA package and answer 7g.
- If **No**, or **Not applicable**, explain below why a mitigation plan should not be required.

Yes No Not applicable

This project will provide an ecological lift to the side channel by increasing wetland function, area, and complexity, see design sheet 14 (wetland impacts) for a summary and design sheet 13 for planting specifications. We have put a large emphasis on improving the wetland habitat onsite and will result in a net gain ratio of wetland functional values of 10.3:1.

Activity	Wetland Name	Wetland type and rating category	Impact area (acres)	Duration of impact	Proposed mitigation type	Wetland mitigation area (acres)	Mitigation Notes
Construction disturbance - Ingress/Egress	Fringe	Palustrine Emergent	0.006	4 weeks	R	0.006	Wetlands will be restored to original condition. Refer to Sheet 12 – Planting Notes in design for specifications.
Construction disturbance - Ingress/Egress	Fringe	Scrub-Shrub	0.027	4 weeks	R	0.027	
Construction disturbance - Dewatering	Fringe	Palustrine Emergent	0.033	1 week	R	0.033	
Construction disturbance - Dewatering	Fringe	Scrub-Shrub	0.021	1 week	R	0.021	
Excavation	Fringe	Palustrine Emergent	0.045	Permanent	E	0.045	These wetlands will be enhanced by converting them to provide Chinook and Steelhead habitat.

TOTAL WETLAND IMPACTS – 0.132 acres

Areas converted from open water to palustrine emergent wetland = 1.27 acres

Areas restored to palustrine emergent wetland = 0.087 acres

TOTAL WETLANDS RESTORED, PRESERVED AND CREATED – 1.357 acres

MITIGATION RATIO – 10.3:1

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)
Fill	Open water	Riverine	1.27 acres	Permanent	n/a - restoration	n/a

Excavation	Open water	Riverine	1.1 acres	Permanent	n/a - restoration	n/a
Excavation	Fringe	Palustrine Emergent	0.045 acres	Permanent	n/a - restoration	n/a

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. [\[help\]](#)

We have designed this project to have a balanced cut and fill to minimize the hauling of material to and from the channel. Near the mouth of Silver a very fine sediment is present throughout much of the channel. It is our intent to reuse as much of this material as possible while building the new wetland floodplain and decrease haul and import. We expect that not all of this material will be useable, so we have included borrow material from an upland site within the project area as contingency. Weed free topsoil will also be imported to create a productive medium for wetland mats, plugs, seed, and riparian plantings. See sheet 13 for planting plan and quantities. Fill quantities for non-side channel material (borrow source and topsoil) is expected to be 1,110CY.

Fill will be placed by excavator, slinger, or a combination of both types of machinery. The majority of earthwork will be excavator cut and re-placement within current channel to form the new floodplain surface and single thread channel. Topsoil and upland borrow will be hauled into the channel and placed near excavator or slinger to finalize grade and provide planting medium.

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. [\[help\]](#)

Excavation by a tracked excavator will occur where hemi-marsh and the new channel is proposed – approximately 2085CY, sheet 3 Proposed Condition. Excavation of material with a gradation from cobble down to sand will be re-placed in channel along with borrow material from our upland borrow pit and weed free topsoil to form the new wetland floodplain. Excavation of ultra-fine washload material not suitable for re-placement will be hauled to the upland borrow site and disposed in the borrow-pit, hence the need for supplemental borrow material. Ideally all excavated material would be re-placed in the channel and not hauled away, but, we cannot expect that all fine sediment will be re-usable. It is in our best interest and intent to haul the least amount of material out of channel as possible, and therefore keep borrow to a minimum. A small amount of fringe palustrine emergent wetland (36 CY) will be converted to open channel where the outside bend of the new channel meets the current bank.

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

Design of this project and construction techniques have been chosen to minimize impacts to riparian zones and aquatic species. Construction activities will be timed to coincide with the low stream flows and high water temps (lethal to salmonids) to ensure minimal impact to ESA species. Block nets will be installed to block passage into Silver from the Methow and from the upper reaches of Silver into the project area. Fish within the project area will be removed using a combination of block nets, seining and electrofishing (per requirements in NOAA Sec. 7 concurrence). An amphibian salvage will also take place before any in water work can begin.

We have a pit-tag array installed near cross section 2. Data has shown no salmonid migration to or from Silver during the summer months when temperatures rise above 20 degrees Celsius for much of July and all of August.

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

No a mitigation plan has not been prepared, as this project will increase riverine habitat in Silver Side Channel.

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

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
Fill	Silver Side Channel	In Waterbody	Permanent	1110	1.27 acres
Excavation	Silver Side Channel	In Waterbody	Permanent	1042	1.1 acres

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]					
<p>Described in section 7i. All quantities in 8e. were captured in 7h. and should not be considered additional.</p> <p>All material will be placed from within the current wetted width of Silver by either excavator, slinger, or a combination of the two.</p>					
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]					
<p>Described in section 7j.</p> <p>The sole purpose of excavation will be to construct the new channel features (riffles, glides, pools, and hemi-marsh and their associated wetland floodplain).</p>					

Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [help]			
Agency Name	Contact Name	Phone	Most Recent Date of Contact
WDFW	Lynda Hoffman Graham Simon Sherry Furnari	(509) 997-9428	February 2016
WADOE	Andrea Jedel	(509) 454-4260	January 2016
USACE	Jess Jordan	(206) 316-3967	January 2016
USFWS	Jeff Krupka	(509)	April 2015
NOAA	Justin Yeager	(509) 925-2618	January 2016

<p>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]</p> <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/.
<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]</p> <ul style="list-style-type: none"> • Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC.
<p>17020008</p>
<p>9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]</p> <ul style="list-style-type: none"> • Go to http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm to find the WRIA #.
<p>48</p>
<p>9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]</p> <ul style="list-style-type: none"> • Go to http://www.ecy.wa.gov/programs/wq/swqs/criteria.html for the standards.
<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable</p>
<p>9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]</p> <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.
<p><input type="checkbox"/> Rural <input type="checkbox"/> Urban <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Aquatic <input type="checkbox"/> Conservancy <input type="checkbox"/> Other _____</p>
<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 type="checkbox"/> Shoreline <input checked="" 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>Name of manual: Stormwater Management Manual for Eastern 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> </p>

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

Pasture for livestock and hay production.

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. [\[help\]](#)

Threatened - Murrelet, marbled CA, OR, WA (*Brachyramphus marmoratus*)

Threatened - Cuckoo, yellow-billed Western U.S. DPS (*Coccyzus americanus*)

Threatened - Steelhead Upper Columbia River DPS (*Oncorhynchus (=Salmo) mykiss*)

Endangered - Salmon, Chinook Upper Columbia spring-run ESU (*Oncorhynchus (=Salmo) tshawytscha*)

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. [\[help\]](#)

Western gray squirrel

Mule deer

Northwest white-tailed deer

Freshwater Emergent Wetland

Golden eagle

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 for Regulatory Innovation and 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 _____ (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

X Shoreline Exemption Type (explain): Fish Habitat Enhancement

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.

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:

Private Aids to Navigation (for non-bridge projects)

Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. _____ (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. MS (initial)

Matt Shales Matt Shales 2-23-2016
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.

Authorized Agent Printed Name Authorized Agent Signature Date

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

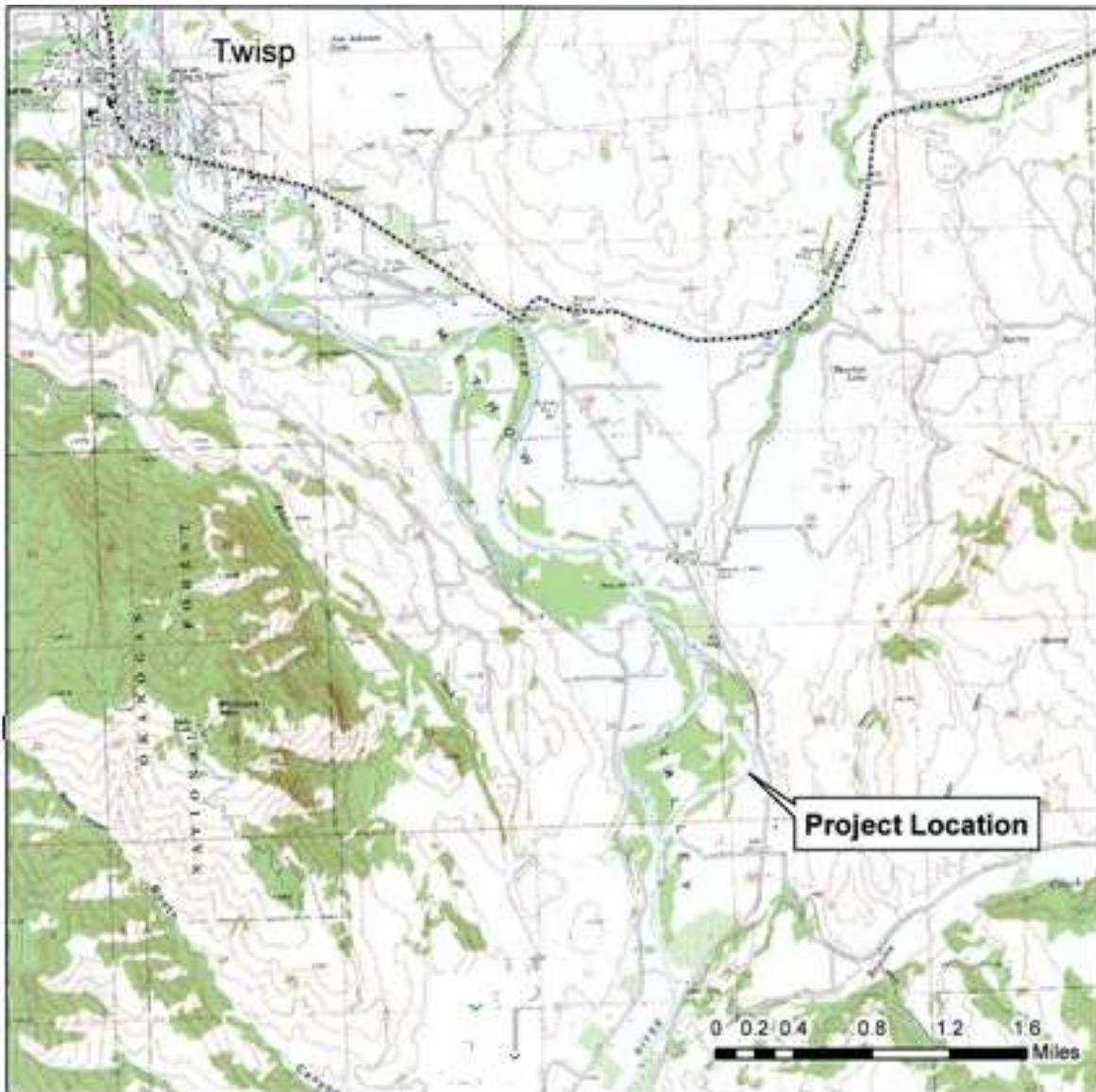
Not required if project is on existing rights-of-way or easements.

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.

Sherry FURNARI Sherry FURNARI 2/3/2016
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: ENV-019-09 rev. 09/2015



Silver Side Channel LOCATION MAP

Latitude:	48.47050 N	Township:	T34N
Longitude:	120.17394 W	Range:	R21E
		Section:	2