



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: _____

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]

Downstream Dike Maintenance at Diking District 5, Smith Island, Everett and Snohomish County

Part 2—Applicant

The person and/or organization responsible for the project. [help]

2a. Name (Last, First, Middle)			
Paul Crane			
2b. Organization (If applicable)			
City of Everett Public Works			
2c. Mailing Address (Street or PO Box)			
3200 Cedar St,			
2d. City, State, Zip			
Everett, WA 98201, United States			
2e. Phone (1)	2f. Phone (2)	2g. Fax	2h. E-mail
425-257-8949	425-257-8800		PCrane@everettwa.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.
- 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.epermittng.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

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

Part 3—Authorized Agent or Contact

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

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

Part 4—Property Owner(s)

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

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

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

Part 5--Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input checked="" type="checkbox"/> Private <input type="checkbox"/> Federal <input checked="" type="checkbox"/> <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]			
In the vicinity of 3815 28 th PI NE, Everett, Washington			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Everett, WA, 98201			
5d. County [help]			
Snohomish			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
SW	4	29N	5E
SE	4	29N	5E
NE	9	29N	5E
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) 			
West end of dike project area: 48.025424, -122.178753			
East end of dike project area: 48.021201, -122.169916			
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. 			
Parcel	Location within Project Site (City/County Jurisdiction)	Owner Address	
29050400200700	City of Everett	3812 28TH PL N E, EVERETT, WA 98205	
29050400300600	City of Everett	3812 28TH PL NE, EVERETT, WA 98201	
29050400301000	Snohomish County	PO BOX 47338, OLYMPIA, WA 98504	
29050400300900	Snohomish County	20607 SR 9 SE, SNOHOMISH, WA 98296-8316	
29050400400400	Snohomish County	20607 SR 9 SE, SNOHOMISH, WA 98296-8316	
29050900100300	Snohomish County	3000 ROCKEFELLER AVE M/S 404, EVERETT, WA 98201	

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)	Adjoining or Onsite
Buse, Delmer & Norman	3812 28 th PL NE Everett, WA, 98201	29050400200700	Onsite
BMC East LLC	3200 35th Avenue N.E. Everett, WA 98201	29050400300200	Adjoining
Buse Timber & Sales Inc.	3812 28th PL NE Everett, WA 98201	29050400300600	Onsite
State of Washington	310 Maple Park Ave SE Olympia, WA 98504	29050400301000	Onsite
Kisan Enterprise LLC	8-29-293/82/F-II/B-27, Film Nagar, Jubilee Hills, Shaikpet, Hyderabad, Telangana, India, 500 033	29050400300900	Onsite
		29050400400400	Onsite
Snohomish County Property Management	3000 Rockefeller Avenue M/S 404 Everett, WA 98201	29050900100300	Onsite

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

Wetlands A, B, C, D, E, F, G are within the project limits.

City of Everett Jurisdiction

Wetland ID	Hydrogeomorphic Class	Cowardin Classification	Wetland Rating (Habitat Score) ¹	Buffer Width ² (feet)
A	Estuarine	E2EM1N	II (6)	150
B	Depressional	PEM	III (6)	110
C	Depressional	PSS/PEM1F	III (6)	110

1. Wetlands occurring in Everett rated according to EMC 19.37.090.

2. Standard wetland buffer widths per EMC 19.37.110, Table 37.3.

Snohomish County Jurisdiction

Wetland ID	Hydrogeomorphic Class	Cowardin Classification	Wetland Rating ¹ (Habitat Score)	Wetland Buffer ² (feet)
A	Estuarine	E2EM1N	II (6)	110
D	Riverine (freshwater tidal fringe)	PEM1T	III (5)	60
E	Depressional	PSS/PEM1F	III (6)	110
F	Depressional	PEM1B	III (5)	60
G	Depressional	PFO1B/PEM	III (5)	60

1. Wetland occurring in unincorporated Snohomish County rated according to Ecology (Hruby 2014) per SCC 30.62A.230.

2. Wetland buffer width according to SCC 30.62A.320.

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

Union Slough

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]

Vegetation within the project area is characterized as either upland vegetation resulting from previous disturbance (former agricultural fields, mowed fields, utility right-of-way corridors) or d riparian vegetation (at ditches, dike and dike access roads). Upland vegetation was dominated by reed canarygrass (*Phalaris arundinacea*) with Himalayan blackberry (*Rubus armeniacus*), with occasional trees and shrubs, including common hawthorn (*Crataegus monogyna*), elderberry (*Sambucus racemosa*), Himalayan blackberry, and paper birch (*Betula papyrifera*), and planted Western redcedar (*Thuja plicata*).

Near northbound I-5 freeway crossing there was a row of deciduous trees including red alder (*Alnus rubra*), bigleaf maple (*Acer macrophyllum*) and cottonwood (*Populus balsamifera* ssp. *trichocarpa*) intermixed with planted conifers including Western redcedar. South of the eastern project limits was a large clump of trees including red alder, cottonwood, Himalayan blackberry, and an unidentified oak tree (*Quercus* sp.).

Riparian vegetation adjacent to ditches, road, and utility right-of-way corridors included alder, red-stem dogwood (*Comus sericea*), elderberry, Himalayan blackberry, nettle (*Urtica dioica*), and reed canarygrass. The top of dike is characterized by graveled vehicle access path dominated by reed canarygrass with mixed ruderal species, including yarrow (*Achillea millefolium*), dandelion (*Taraxicum officinale*), plantain (*Plantago* sp.), and limited populations of Canada thistle (*Cirsium arvense*). This area is routinely mowed as part of maintenance activities.

Riparian vegetation along the waterward dike banks is restricted to nearer to the dike crest and includes a transition from upland vegetation that includes reed canarygrass, manna grass (*Glyceria* sp.), orchard grass (*Dactylis glomerata*), evergreen blackberry (*Rubus laciniatus*), and Pacific silverweed (*Potentilla anserine* ssp. *pacifica*). Continuing downgradient toward the estuarine wetland boundary, vegetation progresses to more mesic species including soft stem bulrush (*Schoenoplectus tabernaemontana*), Lyngby's sedge (*Carex lyngbyei*), reed canarygrass, and narrow-leaved cattail (*Typha angustifolia*).

Habitat within the project area includes disturbed riparian and wetland habitat suitable for deer, raccoons, waterfowl and shorebirds (i.e., great blue heron, Canada goose, glaucous gull, double-crested cormorant), and songbirds (i.e., cedar waxwing, various sparrows).

5m. Describe how the property is currently used. [help]

The property of the project area includes the dike and I-5 crossing through the eastern extent and over the Slough. The property is used for flood control. The purpose of the dike is to prevent catastrophic flooding and maintain channel structure to support water navigation and associated economical uses.

5n. Describe how the adjacent properties are currently used. [help]

Property uses directly adjacent to the existing dike include lumber production operations at BMC West and Buse Timber, both west of I-5, and mowed idle lands upland of the wetlands west of I-5. Property uses adjacent to the dike and upland of the wetlands east of I-5 consists of agriculture with planted coniferous trees upland of the wetlands.

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

The primary structure on the property is the existing dike that will be repaired by this project. A bridge crossing of Union Slough by I-5 includes bridge abutments immediately adjacent to the dike. One tidal gate is present in the western project extent.

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

Head south on I-5 S (0.8 mi). Take exit 192 for 41st St/I-5 S toward Evergreen Way (0.2 mi). Keep left at the fork, follow signs for 41st St E (210 ft). Turn left to merge onto I-5 N (1.9 mi). Take exit 195 for Marine View Drive (0.2 mi), then turn left onto E Marine View Dr (1.4 mi). Turn left onto the WA-529 N ramp to Marysville (0.2 mi) and continue onto WA-529 N (0.8 mi). Turn right onto 28th PI NE (0.3 mi) to arrive at Buse Timber & Sales Inc, 3812 28th PI NE, Everett, WA 98201. The project area is accessed along the riverbank behind Buse Timber's parking areas and production lot.

Part 6–Project Description

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

The City of Everett Public Works (Public Works) proposes to implement a maintenance project on the Diking District 5 (DD5) dike along Union Slough on Smith Island. The project lies is within City of Everett and Snohomish County jurisdictions. The purpose of the maintenance is to restore the level of flood protection for developed areas on Smith Island, including protecting commercial and critical infrastructure, such as the City's Water Pollution Control Facility.

The project includes excavation and filling activities to reshape the dike; expand the dike footprint to accommodate raising the dike minimum elevation to meet USACE requirements; compacting and re-establishing appropriately stable dike slopes; installation of geotextile, quarry spall, and riprap for erosion control on waterward slopes; and new dike toe revetment for erosion and scour protection. Landward dike slopes will have topsoil placed, mulched, and seeded. The landward dike toe ditches will be re-established, with restoration including topsoil placed, mulched, and seeded.

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

Public Works is undertaking this maintenance because the dike in this segment is considered functionally deficient. Previous routine inspections of the dike by USACE (May 2017) indicated the dike was in "Minimally Acceptable" condition. In the most recent routine inspection of the dike by the USACE on September 18, 2019, the dike was considered to be Low Risk for both prior to overtopping and with overtopping and noted there is a moderate likelihood of breach during overtopping (USACE and Federal Emergency Management Agency [FEMA] 2020). Previous USACE and FEMA inspections had also noted concerns with slope stability due to weak compressible foundation soils and embankment erosion due to vertical cuts on the riverside slope.

The waterward face of the dike is eroding and shows areas of sloughing, probably from tidal activities, recent extreme high water, and flood events. In particular, several flood events in the winter of 2015 were known to have scoured material in multiple locations on the dike. In addition, a separate flood event in November 2017 exceeded the flood stage resulting in loss of riprap and embankment material up to several feet above water levels. This damage reduces the reliability of the structure and reduces the flood protection capability by creating a narrowed top width and reduced dike prism. In addition, three flood stage exceedances occurred within a four-month period in October 2019, December 2019, and January 2020 (USGS, 2020a). Importantly, the potential for future scour along this section of the dike is anticipated to increase due to the major dike setback and restoration project on Smith Island undertaken by Snohomish County and located just upriver from this location.

In 2018 the USACE completed approximately 1,245 feet of maintenance to damaged dike at three other sections of the Union Slough Dike in the project vicinity. The Public Works maintenance activities are designed to align with the USACE requirements so that the entire dike will be brought to the 30-year level of protection. To address levee deficiencies and provide additional scour protection, levee maintenance activities are proposed.

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 checked="" type="checkbox"/> Maintenance | <input 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
<input checked="" type="checkbox"/> Bank Stabilization	<input type="checkbox"/> Dam / Weir	<input type="checkbox"/> Floating Home	<input type="checkbox"/> Road
<input type="checkbox"/> Boat House	<input checked="" type="checkbox"/> Dike / Levee / Jetty	<input type="checkbox"/> Geotechnical Survey	<input type="checkbox"/> Scientific Measurement Device
<input type="checkbox"/> Boat Launch	<input checked="" type="checkbox"/> Ditch	<input checked="" 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 checked="" type="checkbox"/> Dredging – (Riverbank)	<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:

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 planned activities are within the 100-year floodplain. The activities will occur adjacent to Union Slough.

Dike maintenance activities would occur along approximately 6,075 lineal feet along the DD5 dike. Throughout the dike will be raised to a minimum elevation of 15 feet (NAVD88), except at the I-5 bridge, to meet USACE requirements. Excavation/dredging of existing dike materials below MHHW will occur along the Slough. Bank stabilization of the new levee will involve placement of dike fill and riprap below MHHW. The existing dike and adjacent work area will be cleared of vegetation prior to creating the new dike configuration.

The following eight repair locations/activity types have been identified:

Dike Repair Type A: Dike center line Station 62+75 to 45+16 (1,759 lineal feet; located east of SR 529 eastward).

The landward slope will be excavated, benched, and new dike material placed, compacted, and re-established at 2H:1V. Topsoil (1-foot thick) will be placed, mulched, and seeded. The waterward slope will be built up and re-established to 2H:1V. The built-up waterward slope will have topsoil (1-foot thick) placed, mulched, and seeded. The top of the dike will have geotextile placed with a crushed base course (0.5-foot thick) added over top to accommodate dike access for maintenance and repairs. The toe ditch will be re-established (see Ditch Reconstruction activity below). This repair will take place in the 100-year floodplain and will occur at Union Slough.

Dike Repair Type B: Station 45+16 to 42+54 (262 lineal feet) (east of Union Slough side channel and access road to BUSE yard).

Type B repairs include riprap erosion protection on the waterward side. The landward slope will be excavated, benched, and new dike material placed, compacted, and re-established at 2H:1V. Topsoil (1-foot thick) will be placed, mulched and seeded. The waterward slope will be built up and re-established to 2H:1V. Geotextile will be installed for permanent erosion control, topped by a quarry spall (1-foot thick). Riprap (minimum 2.5-foot thick) with toe revetment will be placed for erosion and scour protection over the top of the quarry spall. The top of the dike will have geotextile placed with a crushed base course (0.5-foot thick) added over top to accommodate dike access for maintenance and repairs. The toe ditch will be re-established (see Ditch Reconstruction activity below). This repair will take place in the 100-year floodplain and construction will occur

near Union Slough.

Dike Repair Type C: Station 42+54 to 33+74 (880 lineal feet) (Near access road to BUSE yard west to the BUSE log ramp).

Type C dike repairs are identical to Dike Repair Type A, but are in a different location along the dike. This repair will take place in the 100-year floodplain and construction will occur near Union Slough

Dike Repair Type D: Station 28+20 to 27+00 (120 lineal feet located under I-5 bridge)

The dike will not be raised in this portion to avoid interference with existing I-5 bridge girders (varying elevation from 15.1 to 16.0 feet NAVD88). The top of the dike will have sandbag berm constructed up to an elevation of 15 feet NAVD88. Type D repairs include riprap erosion protection on the waterward side. The landward slope will be excavated, benched, and new dike material placed, compacted, and re-established at 2H:1V. The waterward slope will have riprap (minimum 2.5-foot thick) with toe revetment placed for erosion and scour protection. The dike access road (15 feet minimum width) will be re-established at new dike toe slope and compacted. The existing drainage ditch will be protected. This repair will take place in the 100-year floodplain and construction will occur near Union Slough.

Dike Repair Type E: Station 27+00 to 10+38 (1,662 lineal feet) (from I-5 eastward)

Type E dike repairs are identical to Dike Repair Type B but are in a different location along the dike. This repair will take place in the 100-year floodplain and construction will occur near Union Slough.

Riprap Erosion Protection: Station 35+42 to 32+09 (333 lineal feet) (near BUSE log ramp)

Riprap erosion protection will include installing geotextile for permanent erosion control over the top of the existing dike waterward surface, followed by quarry spall (1-foot thick). Riprap (minimum 2.5-foot thick) with toe revetment for erosion and scour protection with a finished slope of 2H:1V. This repair will take place in the 100-year floodplain and construction will occur near Union Slough.

Ditch Reconstruction: Throughout project limits (3,495 lineal feet) Station 60+68 to 53+95, 41+35 to 36+96, 25+90 to 22+15 and 21+60 to 11+52

Ditches will be re-established at the new dike toe slope following dike repair activities. Slopes will be 2H:1V with dike material on the dike slope and native material on the landward slope. Ditch bottoms will be excavated to minimum 4-foot width. Ditch slopes on the dike side will have topsoil placed over top (as part of dike repairs) and mulched and seeded. This repair will take place in the 100-year floodplain and construction will occur near Union Slough.

Log Ramp: Station 33+40 to 30+00 (340 lineal feet) (west of I-5)

The new log ramp will be raised to elevation 15 feet NAVD88. Log ramp repairs will include removing existing soil and debris to expose the existing pavement surface. New material will be placed and compacted in horizontal layers with geotextile placed in 1-foot elevation intervals to provide ramp stabilization. The top surface of the ramp will be compacted, geotextile placed over top, followed by crushed base course (0.5-foot thick). A 1-foot thick layer of asphalt pavement will be placed over top. This repair will take place in the 100-year floodplain and construction will occur near Union Slough.

Equipment to be used during construction includes clearing and earth moving equipment, such as: excavator, loader, bulldozer, dump truck and compactor. Construction stormwater management equipment includes fencing and other erosion and sediment control best management approaches (BMPs). Riprap and erosion protection materials will be placed by backhoes and excavators provided their bucket volume is suitable. Dump trucks, bulldozers, and loaders shall not be used for the placement of rock for erosion and scour protection.

Exhibit 9

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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: <u>August 1, 2021</u> End Date: <u>October 31, 2021</u> <input type="checkbox"/> See JARPA Attachment D
6g. Fair market value of the project, including materials, labor, machine rentals, etc. [help]
\$4,780,000
6h. Will any portion of the project receive federal funding? [help]
<ul style="list-style-type: none"> • If yes, list each agency providing funds.
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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]
<input type="checkbox"/> Not applicable
<p>Avoidance and Minimization During Design</p> <p>Public Works utilized mitigation sequencing in developing this project to avoid and minimize impacts to wetlands to the greatest extent practicable; however, impact to wetlands and ditches are unavoidable due to the project requirements and mandatory design criteria for flood protection.</p> <p>Public Works followed guidelines for mitigation sequencing (avoidance, minimization and compensation) outlined in joint guidance prepared by Ecology, USACE and EPA. These criteria are sequentially applied to a proposed project to guide its design with the goal of minimizing impacts on wetland critical areas.</p> <p>A first round of design was completed initially in 2018, which was revised in 2020 to more completely meet USACE dike requirements as well as reduce impacts significantly, most specifically in removing the initially proposed filling within Union Slough below MHHW.</p> <p>Minimization of Impacts During Construction</p> <p>To minimize potential impacts on wetlands during construction, the Public Works will follow all relevant best management practices (BMPs) included in <i>Washington State Department of Transportation's Regional Road Maintenance Program</i>, which provides integrated minimization measures and guidelines for excavating material near waterways without affecting water quality.</p> <p>Public Works plans to stage all work at adjacent upland areas. Work will be conducted during the summer months so that the work site will likely be under dry conditions. Public Works will require its contractor to implement and monitor BMPs that protect project area waters. A <i>Stormwater Pollution Prevention Plan</i> (SWPPP) will be developed and implemented to minimize construction-related impacts. To minimize potential impacts on wetlands during construction, Public Works will require its contractor to implement and monitor BMPs that protect project area waters.</p> <p>The following list includes, but is not limited to, typical practices and BMPs for this project:</p> <ul style="list-style-type: none"> • The boundaries of the clearing limits shall be clearly flagged and approved by the Owner prior to construction. Disturbance of the ground will not be permitted beyond the flagged boundary. The flagging shall be maintained for the duration of construction. • Limit the surface area of erodible earth material exposed by clearing, grubbing, excavation, borrow, embankment, and fill operations based on the ability to control erosion and sediment transport. • Provide immediate, permanent, or temporary pollution control measures to prevent contamination of adjacent streams or other watercourses or other areas of water impoundment. • Construct temporary berms, dams, and use of temporary mulches, mats, seeding, or other control devices or methods as necessary to control erosion. • The erosion control features installed shall be acceptably maintained, including replacement and

upgrading of the facilities when needed, until the project is completed and notice of final acceptance issued.

- The ECP facilities on active construction sites shall be inspected daily and repaired as necessary to ensure their continued functioning. Inactive sites shall be inspected at least monthly and inactive and active sites shall be inspected at least daily during rainy periods. Deficiencies shall be corrected immediately.
- All paved areas shall be kept clean for the duration of the project. Roads shall be cleaned thoroughly at the end of the workday, or more often if necessary. Soil deposits shall be removed from roads by shoveling or sweeping. Street washing, which must be approved by the Owner, shall be allowed only after sediment is removed by shoveling or sweeping. Additional measures to those shown on the plans may be required.
- At no time shall more than a one-foot depth of sediment be allowed to accumulate behind a silt fence. Sediment shall be removed or regraded into slopes, and the silt fences repaired and reestablished as needed.
- Silt fences shall be removed in their entirety when no longer required. They will be required until the uphill area has been permanently stabilized.
- All pipes and sections, drainage curbs, silt fences, and other materials which are removed from temporary erosion control devices and not incorporated into the permanent work shall become the property of the Contractor and shall be removed from the area. Materials shall be disposed of in accordance with local and State laws and in a suitable location.
- Plastic sheet covering shall provide immediate erosion protection to slopes and disturbed areas when vegetative cover cannot be achieved due to soils, slopes, or time of year.
- Drainage from areas covered by plastic sheeting shall be controlled such that no discharge occurs directly onto uncontrolled, disturbed areas of the construction site.
- Clear plastic sheeting shall be installed immediately on areas seeded between October 1 and March 31, and remain until vegetation is firmly established.
- When the plastic sheeting is used on unseeded slopes, it shall be left in place until the next seeding period.
- High Visibility Silt fence shall reduce the transport of sediment from a construction site by providing a temporary physical barrier to sediment and reducing runoff velocities. The terms "filter fabric" and "geotextile" are used interchangeably herein. High Visibility Silt fence shall be constructed per City of Everett Standard Plan No. 214, in color ORANGE.
- Motorized construction equipment will be refueled within a designated refueling containment area away from sensitive areas.
- Inspect all vehicles daily for fluid leaks before leaving the vehicle staging area, and repair any leaks before the vehicle resumes operation.
- All temporarily impacted vegetation will be reseeded with appropriate native plants.
- Locate staging and stockpile areas away from 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

Refer to:

Shoreline Report and Critical Areas Review – City of Everett Jurisdiction, prepared by Wood Environment & Infrastructure Solutions, Inc. (June 10, 2020) and

Shoreline Report and Critical Areas Review – Snohomish County Jurisdiction, prepared by Wood Environment & Infrastructure Solutions, Inc. (June 10, 2020)

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

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

Yes No Don't know

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

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

Yes No Don't know

Refer to:

Shoreline Report and Critical Areas Review – City of Everett Jurisdiction, prepared by Wood Environment & Infrastructure Solutions, Inc. (June 10, 2020) and

Shoreline Report and Critical Areas Review – Snohomish County Jurisdiction, prepared by Wood Environment & Infrastructure Solutions, Inc. (June 10, 2020)

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

Mitigation is designed to result in no net loss to functions important to the Snohomish River estuary setting. Both banking credits and on-site in-kind compensation is proposed. Given the dike configuration and the project site layout do not allow for on-site mitigation of all wetland impacts and the proximity of the mitigation bank, the use of mitigation credits are anticipated to best contribute to the goal of no net loss of wetland area and functions within the watershed. The project is within the service area of the Smith Island Restoration Project mitigation bank.

The mitigation plan includes on-site, in-kind re-establishment of 0.44 acre of depressional wetlands which will compensate for loss of the existing dike toe ditch with a replacement dike toe ditch.

1.32 acre/credits mitigation bank credits will be withdrawn from the City of Everett's *Smith Island Restoration Project Mitigation Bank* to compensate for unavoidable permanent impacts to estuarine, riverine, and depressional wetlands. The bank provides compensation at one acre credit to one acre impact for this location and these wetland types.

Specific characteristics of the mitigation bank that provide a rationale for mitigation site selection include objectives to restore previously diked wetlands to tidal influence and improve salmonid habitat area, and an anticipated high likelihood for success due to consistent diurnal tidal hydrology and existing vegetative seed source.

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)
City of Everett Jurisdiction						
Excavate/Fill, Placement of erosion and scour protection on dike slopes	Wetland A (excluding portions below MHHW [Union Slough])	Estuarine, II	0.11 ac	Permanent	Mitigation Bank Credits	0.11 Acre Credits
Excavate/fill	Wetland D	Riverine (freshwater tidal fringe), III	0.04 ac	Permanent	Mitigation Bank Credits	0.04 Acre Credits
Excavate/fill	Wetland E	Depressional, III	0.32 ac	Permanent	Mitigation Bank Credits	0.32 Acre Credits
Excavate (clear/grade)	Wetland F	Depressional, III	<0.01 ac	Permanent	Mitigation Bank Credits	0.01 Acre Credits
Permanent/ Everett		Total	0.48 ac			0.48 Acre credits.
Temporary Excavation (Clear) and Vegetation disturbance Tree/shrub	Wetland D	Riverine (freshwater tidal fringe), III	0.20 ac	Long-term Temporary Vegetation 2 to 4 years	Reestablishment	0.20 ac
Temporary Excavation (Clear) and Vegetation disturbance Tree/shrub	Wetland E	Depressional, III	0.06 ac	Short-term Temporary Vegetation 0 to 1 year	Reestablishment	0.06 ac
Temporary/ Everett		Total	0.26 ac			0.26 ac
Snohomish County Jurisdiction						
Excavate/Fill, Placement of erosion and scour protection	Wetland A (excluding portions below MHWVY [Union Slough])	Estuarine, II	0.07 ac	Permanent	Mitigation Bank credits	0.07 ac credits.
Excavate/fill	Wetland B	Depressional, III	0.24 ac	Permanent	Mitigation Bank Credits	0.24 ac credits.
Excavate/fill	Wetland C	Depressional, III	0.08 ac	Permanent	Mitigation Bank Credits	0.08 ac credits.
Permanent/Snohomish Co		Total	0.39 ac			0.39 ac credits.

Temporary Excavation (Clear) and Vegetation disturbance - Tree/shrub	Wetland B	Depressional, III	0.19 ac	Short-term Temporary Vegetation 0 to 1 year	Restoration	0.19 ac
Temporary/Snohomish Co		Total	0.19 ac			0.19 ac
TOTAL Both Jurisdiction						
Permanent			0.87 ac			0.87 ac/credit
Temporary			0.45 ac			0.45 ac

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. [\[help\]](#)

For all activities, topsoil will be from an approved source and also recycled material cut from existing dike (from clearing/grading activities and dike material), Topsoil will be determined suitable per dike material specifications, will be placed by loader and compacted, benched and sloped to form dike embankments. Riprap for erosion and scour protection shall meet WSDOT requirements and will be placed by backhoe or excavator on waterward dike embankment.

City of Everett and Snohomish County Jurisdictions:

Wetland A (above MHW) – Fill (180 CY topsoil; 77 CY recycled dike fill material; 116 CY riprap).

Snohomish County Jurisdiction:

Wetland B – Fill (686 CY topsoil; 1857 CY recycled dike fill material).

Wetland C – Fill (125 CY topsoil; 497 CY recycled dike fill material).

City of Everett Jurisdiction:

Wetland D – Fill (336 CY topsoil; 363 CY recycled dike fill material).

Wetland E – Fill (615 CY topsoil; 582 CY recycled dike fill material).

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. [\[help\]](#)

Excavated fill from clearing/grading activities will be removed from the wetlands by an excavator. Excavated materials will be re-used on-site if determined suitable per dike material specifications and will be placed by backhoe or excavator on waterward dike embankment. It is anticipated that most of the excavated materials will be suitable for reuse on-site. Materials determined to be unsuitable will be disposed off-site at an approved location. Clearing/grading activities and cutting to establish new dike footprint/contours will be required for the expanded dike footprint. Existing riprap will be excavated to expose dike material surface for re-establishment of waterward dike slopes. The wetland area will be replaced with dike structure in this location.

City of Everett (60%) and Snohomish County (40%) Jurisdictions:

Wetland A – Excavate (436 CY dike fill material and 566 CY riprap).

Snohomish County Jurisdiction:

Wetland B – Excavate (1,299 CY dike fill material). **Wetland C – Excavate** (136 CY dike fill material).

City of Everett Jurisdiction:

Wetland D – Excavate (632 CY dike fill material); **Wetland E – Excavate** (1,594 CY dike fill material);

Wetland F – Excavate (4.2 CY dike fill material).

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

Because the project includes riverside erosion and scour protection best management practices and will build dike toe revetment, impacts to Union Slough are unavoidable. During design, the 2018 design was revised in 2020 to remove all planned direct impacts to Union Slough. The remaining direct impacts were determined to be unavoidable while still meeting the project purpose and need.

During construction Steps to reduce impacts included minimizing the extent of Union Slough channel disturbance and performing construction with the smallest possible area of disturbance.

The following construction approaches have minimized impacts:

- Limiting the duration of in-water work to the minimum possible needed to establish new dike slopes and placement of erosion and scour protection.
- In-water work occurs only during WDFW's approved construction work window for salmonids and bull trout species in Snohomish River in this location, from approximately August 1 to October 31.
- Temporary erosion and sediment control BMPs will be applied to protect water quality throughout the project.
- New embankment material is free from any extraneous materials.

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

Refer to:

Shoreline Report and Critical Areas Review – City of Everett Jurisdiction, prepared by Wood Environment & Infrastructure Solutions, Inc. (June 10, 2020) and

Shoreline Report and Critical Areas Review – Snohomish County Jurisdiction, prepared by Wood Environment & Infrastructure Solutions, Inc. (June 10, 2020)

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. [\[help\]](#)

See 7g. These reports include impacts assessment and the mitigation plans for rectifying impacts to Union Slough from the proposed dike maintenance project.

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	Area (sq. ft. or linear ft.) of waterbody directly affected	Amount of material (cubic yards) to be placed in or removed from waterbody
City of Everett					
Placement of erosion and scour protection	Union Slough (Wetland A)	Below MHHW	Permanent	12,620 sq. ft. (0.29 acre)	Fill: 674 CY recycled dike fill material; & 379 CY riprap. Excavate: 11 CY dike fill material; & 438 CY riprap.
Snohomish County Jurisdiction					
Placement of erosion and scour protection	Union Slough (Wetland A)	Below MHHW	Permanent	7,898 sq. Ft. (0.18 acre)	
Total Both Jurisdictions				20,518 LF/ 0.47 acre	Net Dike Fill 663 CY & Net riprap Loss 59 CY

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]

City of Everett (60%) and Snohomish County (40%) Jurisdictions:

Union Slough below MHHW – Fill (674 CY recycled dike fill material; 379 CY riprap). Recycled dike fill material (from clearing/grading activities and dike material) that is determined suitable per dike material specifications will be placed by loader and compacted, benched and sloped to form dike embankments. The wetland area will be replaced with dike structure in this location.

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]

City of Everett and Snohomish County Jurisdictions:

Union Slough below MHHW – Excavate (11 CY dike fill material; 438 CY riprap). Excavating activities to establish new dike footprint/reinforced dike toe footprint and revetment. Excavated materials will be removed from the wetlands by an excavator. Materials will be re-used as dike material (fill) if it is determined suitable per dike material specifications.

The wetland area will be replaced with dike structure in this 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: https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Assessment-of-state-waters-303d. 			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Union Slough (Possession Sound - North) - bacteria			
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. 			
17110011			
9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]			
<ul style="list-style-type: none"> Go to https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-availability/Watershed-look-up to find the WRIA #. 			
WRIA 7 - Snohomish River Mainstem			
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 https://ecology.wa.gov/Water-Shorelines/Water-quality/Freshwater/Surface-water-quality-standards/Criteria 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: https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-laws-rules-and-cases. 			
<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Natural <input type="checkbox"/> Aquatic <input checked="" type="checkbox"/> Conservancy <input type="checkbox"/> Other: _____			
9g. What is the Washington Department of Natural Resources Water Type? [help]			
<ul style="list-style-type: none"> Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System. 			
<input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Fish <input type="checkbox"/> Non-Fish Perennial <input type="checkbox"/> Non-Fish Seasonal			

9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater

<p>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 checked="" type="checkbox"/> No</p>
<p>Name of manual: <u>City of Everett: 2019 Stormwater Management Manual for Western Washington (Department of Ecology); Snohomish County: Snohomish County Drainage Manual (January 2016, November 2017 for Volume I)</u></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 known contaminated sediment exists in the project area.</p>
<p>9j. If you know what the property was used for in the past, describe below. [help]</p>
<p>Historical use – Dike protection on Smith Island first constructed by approximately 1869; expanded dike and levee system encompassed Smith Island by mid-1930s (as seen on 1938 aerial imagery).</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>Refer to:</p> <p><i>Cultural Resources Archaeological Survey and Literature Review – Downriver Dike Project – Everett Section.</i> Prepared by Wood Environment & Infrastructure Solutions, Inc. (June 29, 2020).</p> <p><i>Archaeological Monitoring Plan – Smith Island Downriver Dike Maintenance – Everett Section.</i> Prepared by Wood Environment & Infrastructure Solutions, Inc. (June 26, 2020).</p> <p><i>Cultural Resources Archaeological Survey and Literature Review – Everett Downriver Dike Repair – Snohomish Section.</i> Prepared by Wood Environment & Infrastructure Solutions, Inc. (July 1, 2020).</p> <p><i>Archaeological Monitoring Plan – Smith Island Downriver Dike Maintenance – Snohomish Section.</i> Prepared by Wood Environment & Infrastructure Solutions, Inc. (July 1, 2020).</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>Bull trout (<i>Salvelinus confluentus</i>); Threatened. Sea-run populations migrate through the area, specific spawning requirements not met in action area.</p> <p>Chinook salmon (<i>Oncorhynchus tshawytscha</i>) Puget Sound Evolutionarily Significant Unit (ESU); Threatened. Documented as occurring within freshwater and estuarine waters of action area.</p> <p>Steelhead salmon (<i>Oncorhynchus mykiss</i>) Puget Sound Distinct Population Segment (DPS); Threatened. Documented as occurring within freshwater and estuarine waters of action area, migrate through the area during spawning migration.</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>

Union Slough is a Habitat of Primary Association (Regular Large Concentrations of Waterfowl) and Priority Habitats including riparian zones, and freshwater wetland and fresh deep-water areas.

Designated Critical Habitat for:

Bull trout (*Salvelinus confluentus*); Designated Critical Habitat in Snohomish River watershed including Union Slough; specific spawning requirements not met in action area.

Chinook salmon (*Oncorhynchus tshawytscha*) Puget Sound Evolutionarily Significant Unit (ESU). Designated Critical Habitat along Snohomish River.

Steelhead salmon (*Oncorhynchus mykiss*) Puget Sound Distinct Population Segment (DPS). Designated Critical Habitat along Snohomish River.

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](#).

<p>10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [help]</p> <ul style="list-style-type: none"> • For more information about SEPA, go to https://ecology.wa.gov/regulations-permits/SEPA-environmental-review.
<p><input type="checkbox"/> A copy of the SEPA determination or letter of exemption is included with this application.</p>
<p><input checked="" type="checkbox"/> A SEPA determination is pending with <u>City of Everett</u> (lead agency). The expected decision date is October 2020.</p>
<p><input type="checkbox"/> I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [help]</p>
<p><input type="checkbox"/> This project is exempt (choose type of exemption below).</p> <p><input type="checkbox"/> Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt? _____</p> <p><input type="checkbox"/> Other: _____</p>
<p><input type="checkbox"/> SEPA is pre-empted by federal law.</p>
<p>10b. Indicate the permits you are applying for. (Check all that apply.) [help]</p>
<p>LOCAL GOVERNMENT</p>
<p>Local Government Shoreline permits:</p> <p>Snohomish County <input checked="" type="checkbox"/> Substantial Development <input type="checkbox"/> Conditional Use <input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Shoreline Exemption Type (explain): _____</p> <p>City of Everett <input checked="" type="checkbox"/> Substantial Development <input type="checkbox"/> Conditional Use <input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Shoreline Exemption Type (explain): _____</p>
<p>Other City/County permits: Both Jurisdictions:</p> <p><input checked="" type="checkbox"/> Floodplain Development Permit <input checked="" type="checkbox"/> Critical Areas Ordinance</p>
<p>STATE GOVERNMENT</p>
<p>Washington Department of Fish and Wildlife:</p> <p><input checked="" type="checkbox"/> Hydraulic Project Approval (HPA) <input type="checkbox"/> Fish Habitat Enhancement Exemption – Attach Exemption Form</p>
<p>Washington Department of Natural Resources:</p> <p><input type="checkbox"/> Aquatic Use Authorization Complete JARPA Attachment E and submit a check for \$25 payable to the Washington Department of Natural Resources. <u>Do not send cash.</u></p>
<p>Washington Department of Ecology:</p> <p><input checked="" type="checkbox"/> Section 401 Water Quality Certification <input type="checkbox"/> Non-Federally Regulated Waters</p>
<p>FEDERAL AND TRIBAL GOVERNMENT</p>
<p>United States Department of the Army (U.S. Army Corps of Engineers):</p>

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: d13-pf-d13bridges@uscg.mil

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).

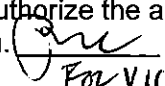
Part 11—Authorizing Signatures

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

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

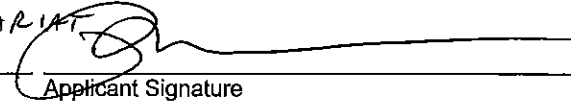
I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

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

 (initial)
FOR VIC LOEHRIAT

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.

PAUL B. CRAUG
Applicant Printed Name
FOR VIC LOEHRIAT


Applicant Signature

4/23/2021
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.

PAUL B. CRAUG
Authorized Agent Printed Name


Authorized Agent Signature


4/23/2021
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.

VIC LOEHRIAT
Property Owner Printed Name


Property Owner Signature
FOR VIC LOEHRIAT

4/23/2021
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

Paul Crane

From: loehriat LAST_NAME <vicwithsatocorporation@comcast.net>
Sent: Friday, April 23, 2021 11:23 AM
To: Paul Crane
Subject: Diking District No. 5

Paul - this email is to verify that I gave you permission to sign my name to the JARPA so as not to delay the submittal of this document while I am out of the office - Victor Loehrer