WASHINGTON STATE
Joint Aquatic Resources Permit Application (JARPA) Form[1,2] [help]

US Army Corps of Engineers
Seattle District

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

AGENCY USE ONLY

Date received: Department of Ecology RECEIVED MAY 30 2019 Shorelands & Environmental Assistance Program

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]
Bellingham Sailing Foundation Youth Dock Expansion and Launch Ramp Construction

Part 2–Applicant

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

2a. Name (Last, First, Middle)			
Greg Henderson or Lyndon Lee			
2b. Organization (If applicable)			
Bellingham Sailing Foundation			
2c. Mailing Address (Street or PO Box)			
2526 Harbor Loop Drive			
2d. City, State, Zip			
Bellingham, Washington 98226			
2e. Phone (1)	**2f.** Phone (2)	**2g.** Fax	**2h.** E-mail
(206) 979-5633			lyndon@lcleeinc.com

[1]Additional 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.

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

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

Part 3–Authorized Agent or Contact

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

3a. Name (Last, First, Middle)			
Lee, Lyndon C.			
3b. Organization (If applicable)			
L.C. Lee & Associates, Inc.			
3c. Mailing Address (Street or PO Box)			
421 North Forest Street			
3d. City, State, Zip			
Bellingham, Washington 98225			
3e. Phone (1)	**3f.** Phone (2)	**3g.** Fax	**3h.** E-mail
206.979.5633			

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)			
Rob Fix (Executive Director) or Kyle Randolph (Harbormaster) or Greg Nicoll (Port PE)			
4b. Organization (If applicable)			
Port of Bellingham			
4c. Mailing Address (Street or PO Box)			
1801 Roeder Avenue			
4d. City, State, Zip			
Bellingham, Washington 98225			
4e. Phone (1)	**4f.** Phone (2)	**4g.** Fax	**4h.** E-mail
360.676.2500			robf@portofbellingham.com KyleR@portofbellingham.com

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]

☐ Private
☐ Federal
☒ Publicly owned (state, county, city, special districts like schools, ports, etc.)
☐ Tribal
☐ 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]

This is an existing youth sailing dock within the inner harbor of the Squalicum Harbor facility, approximately 500 ft. NW of the entrance to the inner harbor.

5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]

Bellingham, Washington 98225

5d. County [help]

Whatcom

5e. Provide the section, township, and range for the project location. [help]

¼ Section	Section	Township	Range
NW	25	38N	2E

5f. Provide the latitude and longitude of the project location. [help]

- Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)

48.7535 N lat./-122.4987 W lon

5g. List the tax parcel number(s) for the project location. [help]

- The local county assessor's office can provide this information.

Zuanich Park - #380225130445

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)
Port of Bellingham	1801 Roeder Avenue, Bellingham, WA 98226	Zuanich Park Parcel #380225130445

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

No Wetlands, but the main portions of the project is proposed to occur below the MHHW mark of inner Squalicum Harbor

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

The project is located within the existing inner harbor tidally influenced basin at Squalicum Harbor. It is within Section 10 (Rivers and Harbors Act) and CWA Section 404 traditional navigable waters (tidal) and within Shoreline jurisdiction of Washington State and within Critical Areas regulated by the City of Bellingham.

5k. Is any part of the project area within a 100-year floodplain? [help]

☒ Yes ☐ No ☐ Don't know

The area is subject to inundation by semi-diurnal tides that occur within the existing Squalicum Harbor inner basin. The elevation of the MHHW is 8.5 ft. per U.S. Army corps of Engineers.

5l. Briefly describe the vegetation and habitat conditions on the property. [help]

This project site is within and spans the MHHW of the existing inner harbor basin at Squalicum Harbor. The existing youth dock is due north of the existing breakwater, which consists of large angular basalt rocks backfilled with imported fill materials. The shoreline consists of a mix of angular rock, cobbles, gravel, and sand. The hillslope area proposed for the dinghy launch ramp consists of breakwater backfill material (urban soils) that are stabilized with angular 4-6" rock and common non-native turf grasses dominated by *Poa spp.* and *Festuca rubra.*

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

The project site is currently a youth sailing floating dock facility maintained by the Bellingham Sailing Foundation in cooperation with the Port of Bellingham.

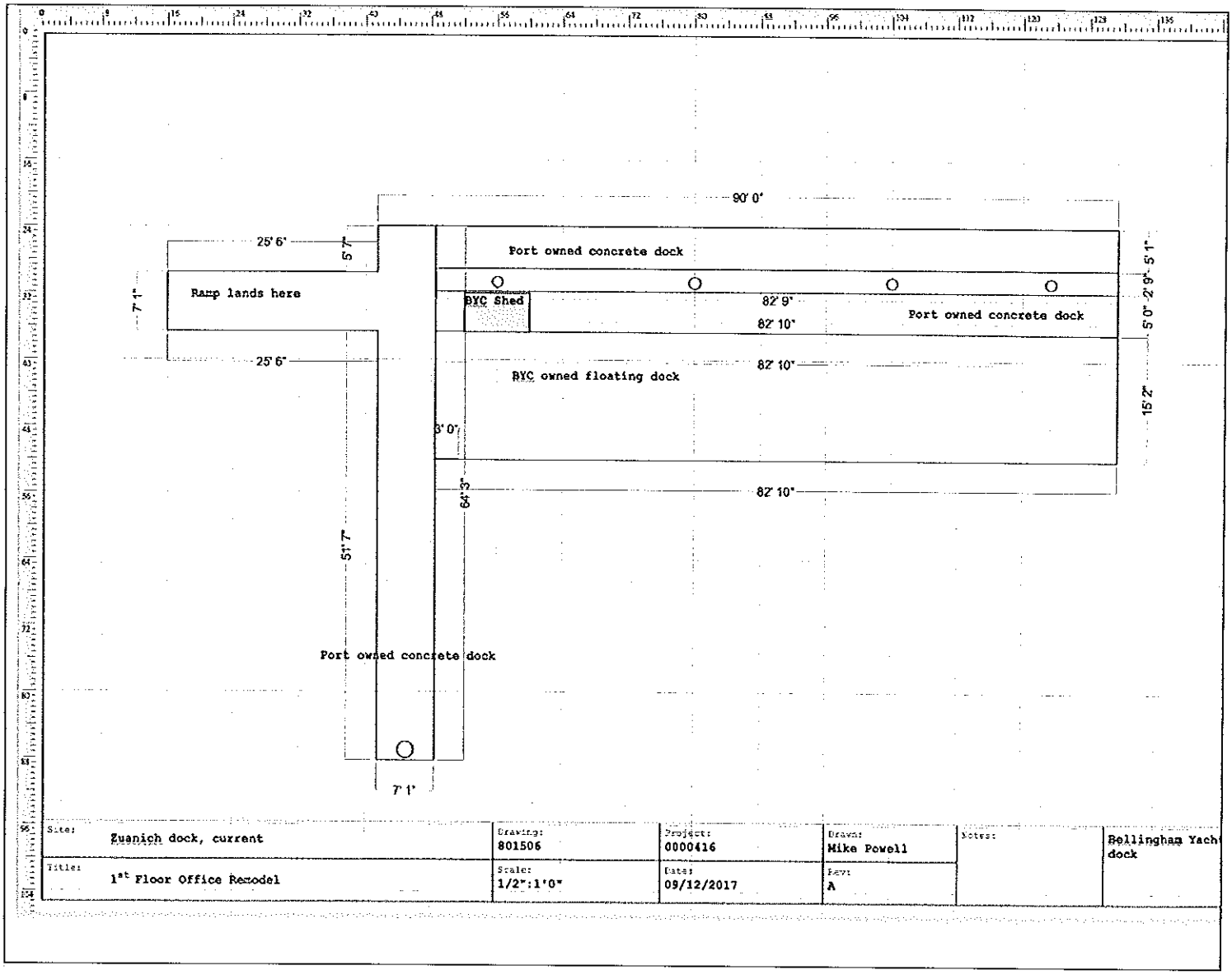
5n. Describe how the adjacent properties are currently used. [help]

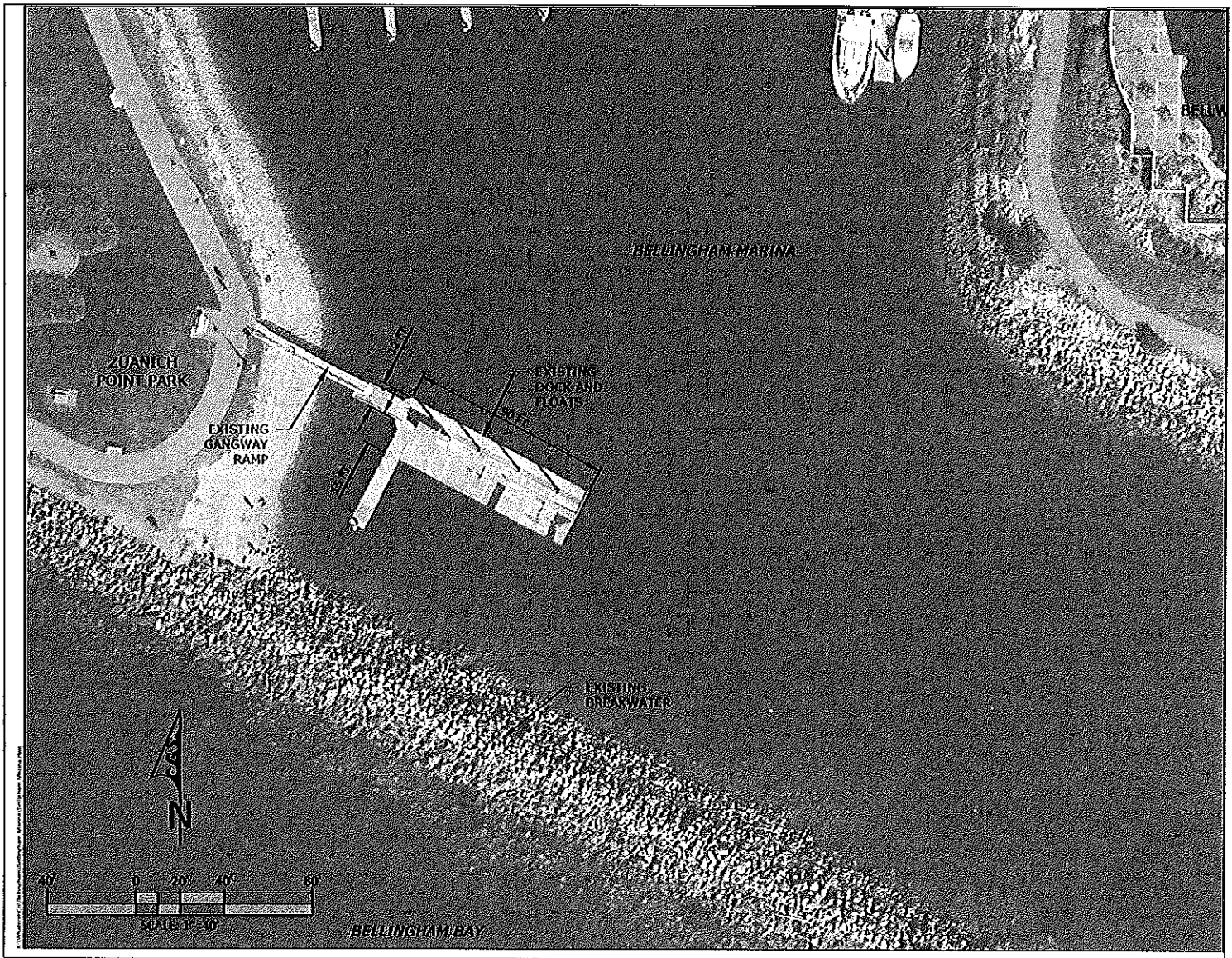
Park open space, asphalt paths through the park, overlook benches, parking lots, Squalicum Boat House facility, the inner Harbor area of Squalicum Marina.

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

There is an existing youth sailing floating dock and an associated gangway that allows people access from the adjacent park to the floating dock. The existing dock is used by the Bellingham Sailing Foundation and the Port of Bellingham to support training of youth that are interested in learning how to develop safe boating and sailing skills, race, and generally recreate on the waters of Bellingham Bay. The existing dock is in need of regular maintenance to the dock surfaces, and to some of the pontoons and pontoon connections.

The Figure and Photograph immediately below provide existing dock dimensions. Photographs and other Figures/Construction Drawings and examples of the proposed pre-cast concrete slab ramp material can be found in Appendices 1 and 2.

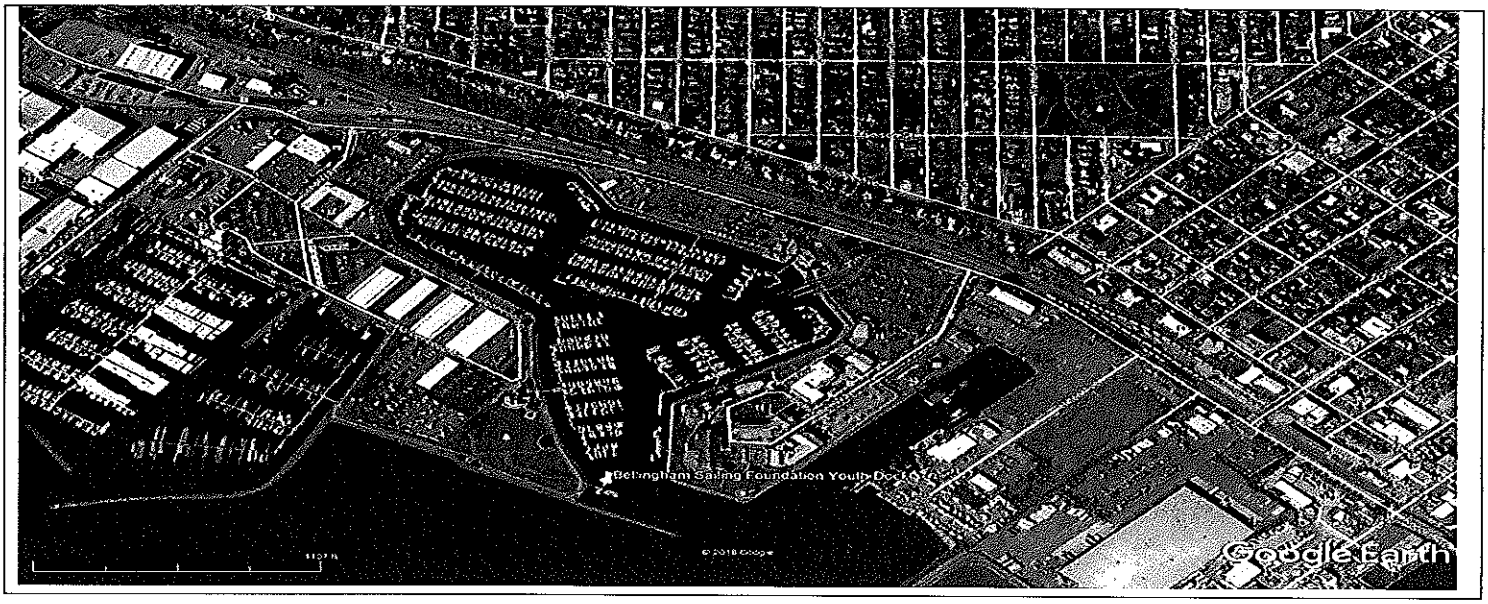

90' 0"
25' 6"
5' 7"
7' 1"
Ramp lands here
Port owned concrete dock
BYC Shed
82' 9"
82' 10"
Port owned concrete dock
5' 0"
2' 9"
5' 1"
25' 6"
BYC owned floating dock
82' 10"
15' 2"
3' 0"
64' 3"
82' 10"
51' 7"
Port owned concrete dock
7' 1"
Site: Cuanich dock, current
Drawing: 801506
Project: 0000416
Drawn: Mike Powell
Notes:
Bellingham Yach dock
Title: 1st Floor Office Remodel
Scale: 1/2":1'0"
Date: 09/12/2017
Rev: A



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

In Bellingham, proceed northwest on Roeder Avenue past the main administration building for the Port of Bellingham to Coho Way. Turn left (south) on Coho Way and follow it to its intersection with South Harbor Loop Drive. Turn left (southeast) on South Harbor Loop Drive and follow it for approximately 1000 ft. Turn right (southwest) into the parking lot and park for the Squalicum Boat House. Walk west around the Squalicum Boat House until you intersect the asphalt walking path. Turn right (south-southeast) on the walking path and walk approximately 500 ft. until you see the gangway for the Youth Dock facility.

The Photograph immediately below is a map/orthophoto of the project location. North is up. The yellow Pin indicates the project site.



Part 6–Project Description

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

This project is proposed to support the expanded needs of the Youth Sailing Program administered by the Bellingham Sailing Foundation in cooperation with the Port of Bellingham. The project is water dependent. Portions of it (the proposed dinghy and kayak launch ramp) will also support the general public's need to launch small boats in a safe area within Squalicum Harbor. While the existing boat launch area within Squalicum Harbor is available, it is approximately 2,000 feet from the existing Youth Dock Facility and the harbor entrance. Use of it is not safe for dinghy and kayak launches because it requires youngsters and adults launching small boats via dollies or hand-carries to work alongside very large car/truck and trailer launches on the main harbor ramp. The main harbor launch area is often congested with commercial and recreational launch traffic and is not safe for youth or for adults carrying kayaks and small boats. After launches from this area, sailing youth and kayakers are then required to sail or paddle through the main inner harbor area to the harbor entrance/exit area near Zuanich Park. This transit through the main harbor traffic area can be chaotic and unsafe because you have many small, low profile boats with novice sailors or paddlers interacting with the large yachts and fishing boats that use the main harbor facilities. Therefore, for safety reasons alone, there are no practicable alternatives but to separate the youth/small boat activities from the main harbor launch facility. The proposed youth dock expansion and ramp is designed to avoid and minimize impacts in regulated waters. Please see attached Photographs 1-10 and Figures 1-6 (Appendix 1). Appendix 2 provides details of the pre-cast concrete slabs proposed for the launch ramp surface.

Presently, the Port of Bellingham has proposed and is in the process of permitting early fall 2019 replacement of the visitor float. This work is needed to replace deteriorating dock surfaces, pontoons, and pontoon/dock connections. After the Port's visitor float work, the Bellingham Sailing Foundation is proposing to add a 15.2 ft wide dinghy dock on the north side of the existing dock to give the existing facility more capacity. In addition, this proposal includes construction of a small hand launch ramp for dinghies on dollies or kayaks. The proposed ramp is located down the existing rip-rap slope that is immediately south of the existing youth dock and north of (behind) the existing breakwater for the inner harbor at Squalicum Marina.

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

This project is proposed to support the expanded needs of the Youth Sailing Program administered by the Bellingham Sailing Foundation in cooperation with the of the Port of Bellingham. The proposed small boat launch ramp will also service the general public and their needs to have a safe launch area for many types of small boats. Since the original dock facility was installed, the Bellingham Sailing Foundation's boating skill training programs have grown substantially. Meanwhile, other available facilities (e.g. Lake Whatcom) have closed or otherwise become unavailable to the Bellingham Sailing Foundation programs. The combination of organic growth of the youth sailing and boating skill training programs, public demand for easy and safe water access points, and closures of other facilities has placed a great deal more pressure on the existing facility at Squalicum Marina. The youth dock is now aging and undersized. As described in part 6a above, the first part of the regular maintenance of the existing dock will be permitted and constructed by the Port of Bellingham. The Youth Dock expansion and small launch ramp construction will be permitted, funded and constructed by the Bellingham Sailing Foundation. Proper youth training in boat handling, boat safety, and racing are integral to the Sailing Foundation's chief objectives in offering safe, fun and technically excellent programs for a wide range of young people and adults interested in boating and recreation on the waters of Bellingham Bay.

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]

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

Dock Maintenance – to be completed by the Port of Bellingham and permitted separately – projected schedule is Fall of 2019.

Dock Expansion – Fall of 2019 – After the port is done with regular maintenance on the existing dock, the existing section of the youth dock (south side) will be towed/floated to the dock and reattached using standard galvanized hardware fittings. The new (north) section of the dock will be pre-fabricated on the hard in the Port area (no in-water work) and then towed/floated to the north side of the existing dock and attached in the same manner as the south side. Equipment needs are a tow boat and standard hand tools to complete attachment of the new portions of the dock.

Dinghy/Kayak Launch Ramp – This construction will require a small (150 level) track hoe, a small rubber mounted loader, and a standard dump truck. After wetting appropriate sediment and erosion control BMPs and working at low tides, these pieces of equipment will be used to –

(1) lay back the existing rip rap slope to as flat a grade as possible,

(2) level out the area where the ramp will be installed,

(3) create smooth transitions to the adjacent (north) slope and the existing breakwater to the south,

(4) install 6" of 1.5" minus gravel subgrade, and

(5) install the pre-cast concrete slabs of the ramp surface (see Appendix 2 for pre cast concrete slab details – The manufacturer is local and will custom size the slabs for the new ramp).

The track hoe will accomplish most of the work, teaming with the loader to immediately pick up fill materials excavated from below MHHW and put it directly into the waiting dump truck. No double handling or staging will occur below MHHW. Following excavation of the ramp, the subgrade gravel will be placed and then the pre-cast ramp will be locked in place using the existing angular rip rap on the slope and a set of screw anchors (or equivalent) that will be installed through the 6" subgrade gravel and into the ground/hillslope. See attached Figures 4, 5, and 6. Please See Attachment D for Construction Sequencing.

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: September 1, 2019 End Date: October 30, 2019 ☐ See JARPA Attachment D

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

$95,000

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

The project will not impact federal wetlands *per se*, but it will impact tidal waters (Type 1 U.S. Traditional Navigable Waters as defined at 33 CFR 328.3 (a) (1)) below the MHHW mark and within the existing basin of the inner Squalicum Marina facility. It will also impact Shorelines of the State and Critical Areas regulated by the City of Bellingham. See part 8 below.

7b. Will the project impact wetlands? [help]

☐ Yes ☒ No ☐ Don't know [Note: It will impact U.S. tidal waters, Shorelines of the State, and Critical Areas regulated by the City of Bellingham – see part 8 below]

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 Not necessary as the project footprint is either entirely below the +8.5 ft MHHW mark of the inner basin at Squalicum Marina or in upland (buffer) areas immediately adjacent to the proposed dock expansion and dinghy launch ramp. See part 8 below.

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 [Not Applicable]

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

The proposed project will have no adverse impacts to wetlands *per se*. The dock expansion will cover 1,292 sq. ft. of water immediately north of the existing youth dock. The proposed dinghy/kayak launch ramp will require approximately 1,000 ft^2 of transition grading to flatten and smooth the existing rip rap slope and then installation of small pre-cast and linked concrete "planks" above MLLW to a position slightly above MHHW. The planks will provide safe and firm footing and ease of dolly transit while kayakers or dinghy (dolly) operators approach the launch positions at various stages of the tides. Transition grading will continue uphill from MHHW and tie into the existing asphalt walking path in the Zuanich Park loop trail. This transition grading will be accomplished in such a way as to form a smooth, gently sloping, and stable transition from the water's edge to the Zuanich loop trail.

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 - See below

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)
N/A – see below						

[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]

N/A – see below

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]

N/A - see below

Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [help]

☒ Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [help]

☐ Not applicable

The first minimization measure for the proposed Youth Dock and dinghy/kayak launch ramp is the fact that they are located within the existing boundaries of Squalicum Harbor, which is a facility dedicated to providing recreational and commercial access to the waters of Bellingham Bay.

Second, and as introduced in item 7a above, the dock expansion will cover 1,292 sq. ft. of water immediately north of the existing youth dock. The proposed dimensions of 51.2 ft x 82.8 ft exactly fit the dimensions of the existing (and soon to be maintained) dock. These dimensions are a minimal footprint for required and safe dinghy use activities from the floating dock. The dock design has decking that is expanded metal, which allows light to penetrate through the dock, but still provides necessary structural strength and safe footing.

Third, the proposed dinghy/kayak launch ramp is designed to be safe, but absolutely minimal in its footprint below MHHW and in adjacent (uphill) shoreline and buffer areas. The ramp is designed to be inset into the existing contours/profile of the current rip-rap hillslope. Proposed grading will require impacts to approximately 1,000 ft^2 of area below MHHW. Excavation and transition grading is necessary to flatten and smooth the existing steep rip rap slope and then allow installation of a set of small pre-cast and linked concrete "planks" from slightly above MLLW to a position slightly above MHHW. The planks will provide safe and firm footing and ease of dolly transit while kayakers or dinghy (dolly) operators approach launch positions at various stages of the tides. To achieve desired (flattened) grades, a total of approximately 345 cubic yards of cut volume and 69.5 cubic yards of fill volume will be necessary. Of this tital, there will be 135 cubic yards of cut volume below MHHW and 32 cubic yards of fill.

Fourth – All work below MHHW will be done during low tide cycles. As possible, all in-water work will be avoided.

The urban fill material and covering rip-rap that currently exists below MHHW will be excavated with a small track hoe and directly placed into a small loader, which will in turn load waiting trucks for export of material. Transition grading will continue uphill from MHHW and tie into the existing asphalt walking path in the Zuanich Park loop trail. This transition grading will be accomplished in such a way as to form a smooth, gently sloping, and stable transition from the water's edge to the Zuanich loop trail. Whenever possible, the existing rip-rap that covers the existing hillslope will be rearranged and used to form smooth transitions to adjacent portions of the hillslope surrounding the inset ramp.

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

☒ Yes ☐ No

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

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

☐ Yes ☒ No ☐ Don't know

No mitigation needed – this project is designed to avoid and minimize impacts in an existing and developed boat harbor to provide recreational access to the youth sailing program and to the general public.

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
Expand existing dock	Inner Harbor Basin at Squalicum Harbor/Bellingham Bay	At the existing Youth Dock Facility, inner harbor basin, Squalicum Harbor 48.45.1247/122.29.5633	2 days or less	zero	1,292 sq. ft. covered by light permeable decking
Construct dinghy launch ramp	Inner Harbor Basin at Squalicum Harbor/Bellingham Bay	At the existing Youth Dock Facility, inner harbor basin, Squalicum Harbor 48.45.1247/122.29.5633	5 days	135 cubic yards cut 32.5 fill	1,000 sq ft

[1] If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.
[2] Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.
[3] Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [help]

For the proposed launch ramp –

1. 135 cubic yards of cut materials below MHHW consisting of existing rip rap and shoreline sediments in the Squalicum Harbor basin at the location of the proposed ramp.

2. 32.5 cubic yards of fill material used for the pre cast ramp subgrade will be purchased from a local gravel pit and consist of 1.5 " minus gravel

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]

The proposed launch ramp construction will require a small (150 level) track hoe, a small rubber mounted loader, and a standard dump truck. Working from the top of the existing grade downhill, these pieces of equipment will be used to -

(1) Lay back the existing rip rap slope to as flat a grade as possible,
(2) Level out the area where the ramp will be installed,
(3) Create smooth transitions to the adjacent (north) slope and the existing breakwater to the south,
(5) Install 6" of 1.5" minus gravel subgrade, and
(4) Install the pre-cast concrete slabs of the ramp surface.

Approximately 135 cubic yards of cut and 32.5 cubic yards of fill below MHHW will be required. The track hoe will accomplish most of the work, teaming with the loader to immediately pick up fill materials excavated from below MHHW and put it directly into the waiting dump truck. No double handling or staging will occur below MHHW. Following excavation of the ramp, the subgrade gravel will be placed and then the pre-cast ramp will be locked in place using the existing angular rip rap on the slope and a set of screw anchors (or equivalent) that will be installed through the subgrade gravel and into the ground. Excavated fill will be trucked to an approved landfill facility in the Bellingham area.

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
Port of Bellingham	Rob Fix, Executive Director; Kyle Randolph, Harbormaster; Greg Nicoll	360.676.2500	12/10/18
U.S. Army Corps	Randel Perry	360.734.3156	February, 2019
WDFW	Robert Warinner	360.305.6726	March, 2019
City of Bellingham	Steve Sundin	360-778-8359	March, 2019

9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [help]

- **If Yes,** list the parameter(s) below.
- If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Assessment-of-state-waters-303d.

☒ Yes ☐ No

Benz[a]anthracene
Benzo[a]pyrene
Benzo[b]fluoranthene
Benzo[k]fluoranthene
Chrysene
Indeno(1,2,3-cd)pyrene
Sediment Bioassay
4,4'-DDD
4,4'-DDE
4,4'-DDT
Aldrin
Anthracene
Dibenzo[a,h]anthracene
Dieldrin
Endrin
Fluoranthene
Fluorene
Heptachlor
Heptachlor Epoxide
Hexachlorobenzene
Mercury
Nickel
Pyrene
Total Chlordane
Total Endosulfan

9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]

- Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC.

Strait of Georgia Watershed - 17110002

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

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

WRIA #1

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

- Go to https://ecology.wa.gov/Water-Shorelines/Water-quality/Freshwater/Surface-water-quality-standards/Criteria for the standards.

☒ Yes ☐ No ☐ Not applicable

9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]

- If you don't know, contact the local planning department.

- For more information, go to: https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-laws-rules-and-cases.

☒ Urban ☐ Natural ☐ Aquatic ☐ Conservancy ☐ Other: _____

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

- Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System.

☒ Shoreline ☐ Fish ☐ Non-Fish Perennial ☐ Non-Fish Seasonal

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

- **If No**, provide the name of the manual your project is designed to meet.

☒ Yes ☐ No

Name of manual: _____

9i. Does the project site have known contaminated sediment? [help]

- **If Yes**, please describe below.

☐ Yes ☒ No

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

Formerly a tidal flat at the distal end of Squalicum Creek.
The Squalicum Boat Basin was dredged and the Zuanich Park upland site was created with dredged material.

Port of Bellingham facilities.

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

- **If Yes**, attach it to your JARPA package.

☐ Yes ☒ No Inner basin of Squalicum Harbor – rip rap slope on marina/harbor dredge spoils

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]
Puget Sound Chinook salmon (*Oncorhynchus tshawytscha*) Puget Sound Chinook salmon critical habitat Puget Sound steelhead trout (*Oncorhynchus mykiss*) Puget Sound bull trout (*Salvelinus confluentus*)
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]
No Priority Habitat and Species features

Part 10–SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at http://apps.oria.wa.gov/opas/.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.
- For a list of addresses to send your JARPA to, click on agency addresses for completed JARPA.

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [help] • For more information about SEPA, go to https://ecology.wa.gov/regulations-permits/SEPA-environmental-review.
☐ A copy of the SEPA determination or letter of exemption is included with this application.
☒ A SEPA determination is pending with City of Bellingham (lead agency). The expected decision date is July 30, 2019.
☐ I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [help]
☐ This project is exempt (choose type of exemption below). ☐ Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt? _____ ☐ Other: _____
☐ SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [help]

LOCAL GOVERNMENT

Local Government Shoreline permits:

☒ Substantial Development ☐ Conditional Use ☐ Variance

☐ Shoreline Exemption Type (explain): _____

Other City/County permits:

☐ Floodplain Development Permit ☒ Critical Areas Ordinance

STATE GOVERNMENT

Washington Department of Fish and Wildlife:

☒ Hydraulic Project Approval (HPA) ☐ Fish Habitat Enhancement Exemption – Attach Exemption Form

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 AND TRIBAL GOVERNMENT

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

☒ Section 404 (discharges into waters of the U.S.) ☒ Section 10 (work in navigable waters)

United States Coast Guard:

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

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. CH (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. CH (initial)

Craig Henderson | Craig Henderson | May 25 2019

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.

Brandon C Lee | | May 25/2019

Authorized Agent Printed Name | Authorized Agent Signature | Date

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

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

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

Greg Nicoll | | May 25, 2019

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.

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

US Army Corps of Engineers - Seattle District

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

_____

_____

TO BE COMPLETED BY APPLICANT [help]

Project Name: _____

Location Name (if applicable): _____

_____

Attachment A:
For additional property owner(s) [help]

Use this attachment only if you have more than one property owner. Complete one attachment for each additional property owner impacted by the project.

Signatures of property owners are not needed for repair or maintenance activities on existing rights-of-way or easements.

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

1. Name (Last, First, Middle) and Organization (if applicable)			
Rob Fix – Executive Director, Port of Bellingham; Greg Nicoll - Port PE			
2. Mailing Address (Street or PO Box)			
1801 Roeder Avenue			
3. City, State, Zip			
Bellingham. WA 98225			
4. Phone (1)	**5.** Phone (2)	**6.** Fax	**7.** E-mail
360.676.2500			robf@portofbellingham.com
Address or tax parcel number of property you own:			
Zuanich Park - #380225130445			
Signature of Property Owner			
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.			
Greg Nicoll			
Printed Name		Signature	

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at

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

US Army Corps of Engineers
Seattle District

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

TO BE COMPLETED BY APPLICANT [help]

Project Name: _____

Location Name (if applicable): _____

Attachment D:
Construction sequence [help]

Use this attachment only if your project will be constructed in phases or stages. Complete the outline showing the construction sequence and timing of activities, including the start and end dates of each phase or stage.

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

Phase or Stage	Start Date	End Date	Activity Description
Dock Expansion	September 1, 2019	October 30, 2019	Days 1 and 2 - Tow a pre-fabricated dock to the north side of the existing youth dock and install using standard galvanized fittings and hand tools.
Launch Ramp Construction	September 1, 2019	October 30, 2019	Day 1 - Mobilize equipment and set up barrier fencing and sediment and erosion control systems at low tides when necessary Day 2 – At low tides in daylight, Start Bulk excavation of the ramp working from the top of the existing hillslope downhill. Monitor sediment and erosion control systems Day 3 – Low tides - Continue bulk excavation, Monitor sediment and erosion control systems Day 4 – Low tides - Continue bulk excavation and transition t fine grading, Monitor sediment and erosion control systems
			Day 5 – Finish fine grading, start import of 6" gravel subgrade tie in to adjacent hillslopes with smooth transitions, Monitor sediment and erosion control systems Day 6 – Install pre cast concrete slabs at low tide(s) , Monitor sediment and erosion control systems
			Day 7 – Finish installation of concrete slabs, complete all finish work, begin de-mobilization Day 8 – Complete all finish jobs/punch list items, complete all final sediment and erosion controls, demobilize

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-16-015 rev. 10/2016