AGENCY USE ONLY	
Agency Reference #:	Date Received:
Circulated by:	(local govt. or agency)
Project Tracking Number:	

JOINT AQUATIC RESOURCES PERMIT APPLICATION FORM (JARPA)

(for use in Washington State)

Please use black ink.

To fill in electronically, use F11 to move through the form. To use the help feature you must have an internet connection.

[x] Application for a Fish Habitat Enhancement Project per requirements of RCW 77.55.290. You must submit a copy of this completed JARPA application form and the (Fish Habitat Enhancement JARPA Addition) to your local Government Planning Department and Washington Department of Fish & Wildlife Area Habitat Biologist on the same day.

NOTE: LOCAL GOVERNMENTS – You must submit any comments on these projects to WDFW within 15 working days.

Based on the instructions provided, I am sending copies of this application to the following: *(check all that apply)*

[x] Local Government for shoreline: [ ] Substantial Development [ ] Conditional Use [ ] Variance [x] Exemption [ ] Revision [ ] Floodplain Management [ ] Critical Areas Ordinance

[x] Washington Department of Fish and Wildlife for HPA (Submit 3 copies to WDFW Region)

[x] Washington Department of Ecology for 401 Water Quality Certification (to Regional Office-Federal Permit Unit)

[ ] Washington Department of Natural Resources for Aquatic Resources Use Authorization Notification

[x] Corps of Engineers for: [x] Section 404 [ ] Section 10 permit

[ ] Coast Guard for: [ ] General Bridge Act Permit [ ] Private Aids to Navigation (for non-bridge projects)

[ ] For Department of Transportation projects only: This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementing Agreement

PROJECT TITLE: Salmon Creek Estuary Restoration

PROJECT DESCRIPTION: Salt marsh and tidal channel habitat will be created through the removal of buildings, fill material and some native soil in two locations in the Salmon Creek estuary.

SECTION A - Use for all permits covered by this application. Be sure to ALSO complete Section C (Signature Block) for all permit applications.

help 1. APPLICANT
Washington Department of Fish and Wildlife Attn: Doris Small

MAILING ADDRESS
502 High Street Suite#112 Port Orchard, WA 98366

WORK PHONE	E-MAIL ADDRESS	HOME PHONE	FAX #
360-895-4756	smalldjs@dfw.wa.gov		

If an agent is acting for the applicant during the permit process, complete #2. Be sure agent signs Section C (Signature Block) for all permit applications

help 2. AUTHORIZED AGENT
North Olympic Salmon Coalition

MAILING ADDRESS
P.O. Box 669 Port Townsend, WA 98368

WORK PHONE	E-MAIL ADDRESS	HOME PHONE	FAX #
360-379-8051	projectmanager@nosc.org	n/a	360-379-3558

help 3. Relationship of applicant to property: [ ] OWNER [ ] PURCHASER [ ] LESSEE [x] Project Manager

help 4. Name, address and phone number of property owner(s) if other than applicant:
Washington Department of Fish and Wildlife Lands Management Division
600 Capitol Way N
Olympia, WA 98501

help 5. Location (street address, including city, county and zip code, where proposed activity exists or will occur)
Site 1 @ 321 Uncas Rd
Site 3-6 no address. Located along Discovery Bay along the southwest shore after highway 101 turns north
Both sites are located in Port Townsend, WA 98368
Jefferson County

help Local government with jurisdiction (city or county) Jefferson County

help Waterbody you are working in: Salmon Creek / Discovery Bay

help Is this waterbody on the 303(d) List** ☐ YES ☒ NO

If **YES**, what parameter(s)?

**For 303d List, http://www.ecy.wa.gov/programs/wq/303d/index.html

help Tributary of N/A

help WRIA # 17

help Shoreline designation: Site 1 is 'natural' Site 3-6 is 'Suburban' The plan is currently under revision

help Zoning designation: Site 1 is Agricultural 1:20 Site 3-6 is Rural Residential 1:5

¼ Section	Section	Township	Range	Government Lot
SE and NE	23	29N	2W	

help DNR stream type if known: Salmon Creek is Listed as Type 2

help Latitude and Longitude: Latitude 47°59'50" Longitude 122° 53'

Tax Parcel Number
902233013
902234001
902231004
902231018

help 6. Describe (a) the current use of the property, (b) structures existing on the property, and (c) existing environmental conditions.
Have you completed any portion of the proposed activity on this property? ☐ YES ☒ NO
For any portion of the proposed activity already completed on this property, indicate month and year of completion.

a) Current use of the property – The property is owned by the Washington Department of Fish and Wildlife. The land was purchased recently for the purposes of habitat protection and restoration.
b) Structures include 5 mill buildings located within 'site 6' on the project map. At site 6, two have collapsed to the ground and 3 are in a state of deterioration. The buildings were constructed in the late 1950's and were used for a log peeling and veneer mill. The mill shut down in the early 1960's.
c) Existing environmental conditions: Site 1 is pasture that has historically been grazed by cows and is now used for hay. It is adjacent to Salmon Creek near the mouth and is tidally influenced. Sites 3-6 are fill material. The vegetation is a combination of invasive and native plants. There is an old sawdust pile that has decomposed and supports hemlock, salal and huckleberry; this is directly adjacent to salt marsh and tidal channels on one side, and fill material on the others. Fill includes wood waste and gravel fill. Blackberry and Scotch Broom are the predominant vegetation.
d) No construction activities have taken place yet.

help Is the property agricultural land? ☒ YES ☐ NO Site #1 is agricultural

help Are you a USDA program participant? ☐ YES ☒ NO

help 7a. Describe the proposed work that needs aquatic permits: Complete plans and specifications should be provided for all work waterward of the ordinary high water mark or line, including types of equipment to be used. If applying for a shoreline permit, describe all work within and beyond 200 feet of the ordinary high water mark. If you have provided attached materials to describe your project, you still must summarize the proposed work here. Attach a separate sheet if additional space is needed.

No work will be done waterward of the ordinary high water mark.
Work will be done within 200 feet of the ordinary high watermark. Five collapsing buildings will be removed using bulldozers, excavators and dump trucks. Fill material will then be removed from the site.

Site #4 is a gravel berm that will be removed to allow tidal channel formation in the large salt marsh currently barricaded along much of it's margin. A culvert blocking fish passage into the existing salt marsh will also be removed.

Site #5 is an old sawdust pile from the veneer mill operations.
Sawdust piles are known to contribute hazardous substances to the aquatic environment, including: sulfides, ammonia, phenols, lignins and tannins. Though naturally occurring, these substances, when leached from wood waste, can be toxic to fish and other aquatic life. Since sawdust was left on top of native ground at this site, the project aims to remove the sawdust and restore the footprint to conditions as close to natural as possible.

There are medium sized conifers on the site that will be removed and held at an upland site for future restoration projects (exact uses to be determined).

Site #6 includes 5 of the collapsing mill buildings and fill material placed atop mud flat/estuary. Fill includes gravel and wood waste. All the wood waste is to be removed in order to eliminate continued inputs of sulfides

and ammonia into the newly created estuary. This will result in excavating below the target elevation in some areas. The over-excavated areas will be backfilled with gravel at the deepest parts, and capped with native material hauled from site #1.

Site #1 is native soil that will be removed to salt marsh elevation and tidal channels created. This site has been highly disturbed since the first records in 1870 when a road was built which essentially cut the area off from the salt marsh to the north. The road is now Highway 101. Site #1 has also been impacted by the separation of Snow Creek from Salmon Creek and the subsequent change in hydrology after the creeks were pushed to the valley sides. Farming practices disturbed the site over the years by re-grading and ditching to try and drain the land. The site no longer resembles the marsh it once was. Tidal waters extend about ¼ mile upstream of the site. There are 3 active tidal channels at the north side of the site. One of the channels has a culvert which is a barrier to fish utilization and the culvert will be replaced and upgraded. The majority of the site itself is inundated with water at the highest tides of the year. Material will be removed to salt marsh elevation. This site will have an interface with Salmon Creek, and is located south of highway 101. Tidal studies have been done to calculate the conveyance of tidal waters under the bridge and the results indicate enough tidal inundation for successful salt marsh formation.

All areas will have a combined treatment of planting native salt marsh vegetation (to be concentrated along tidal channels) and natural recruitment of salt marsh vegetation. Elevations will be targeted to low marsh to allow for aggradation of natural substrate over time.

In areas where the project abuts upland, riparian re-vegetation will be completed.

There is an upland disposal site on parcel #902234001. This site will be used for site # 1 native soil which will be spread and seeded with pasture grass (which is the existing condition). The edges of the deposited soils will be finished at a gentle grade to avoid problems with erosion until the vegetation is established.

PREPARATION OF DRAWINGS: See sample drawings and guidance for completing the drawings. ***ONE SET OF ORIGINAL OR GOOD QUALITY REPRODUCIBLE DRAWINGS MUST BE ATTACHED.*** NOTE: Applicants are encouraged to submit photographs of the project site, but these DO NOT substitute for drawings. ***THE CORPS OF ENGINEERS AND COAST GUARD REQUIRE DRAWINGS ON 8-1/2 X 11 INCH SHEETS. LARGER DRAWINGS MAY BE REQUIRED BY OTHER AGENCIES.***

help 7b. Describe the purpose of the proposed work and why you want or need to perform it at the site. Please explain any specific needs that have influenced the design.

The goal of the Salmon/Snow Estuary Restoration project is to restore estuarine and nearshore conditions and processes in the marine environment to benefit salmonid rearing and other nearshore and estuarine species; especially listed summer chum. The Hood Canal Coordinating Council (HCCC) is the lead entity for prioritization of Salmon Recovery Funding Board grant awards in the local Watershed Resources Inventory Area #17 which encompasses the project area. In 2004 the HCCC identified the Salmon/Snow estuary and the lower watersheds as the highest priority for habitat restoration in the entire summer chum salmon Hood Canal and Eastern Strait of Juan de Fuca Evolutionarily Significant Unit (*Hood Canal Coordinating Council Salmon Habitat Recovery Strategy* 2004). Following the designation of the habitat, in 2005 the HCCC and recovery partners designated the extant Salmon/Snow population of summer chum as the highest priority for conservation (*HCCC Summer Chum Salmon Recovery Plan* 2005). Washington Department of Fish and Wildlife has acquired 130 acres of habitat for the purpose of restoration and enhancement, especially the net increase in aquatic functions.

Through soil investigations on site, about 20,000 cubic yards of wood waste have been found in the area proposed for excavation. Wood waste is known to produce sulfur, ammonia, and many other substances. Chemical testing has been done on site and toxic levels of both sulfides and ammonia are present. The project design has been modified to include removal of all wood waste on site. This results in some areas being excavated below target elevation. Backfilling will be necessary to re-establish the target elevation. Gravel fill from on-site will be used in the deepest areas while a minimum of 18' of native material from site #1 will be used to top any backfilling.

There are two other project design criteria that have undergone much consideration in the planning phases: final elevation and construction of tidal channels. Target elevation for the project will be that of low salt marsh, figured using elevations of adjacent, functioning low marsh. Targeting low marsh (versus high marsh) allows room for the system to deposit natural sediments over time, slowly working toward high marsh. This will create a more natural environment over time, depositing substrate appropriate for colonization of high marsh plants as time goes on. Tidal channel construction will be done for the 3rd and 4th order channels in the system. Though we expect tidal channel development over time through natural processes, constructing some channels now will provide useful habitat to salmonids in a much shorter timeframe.

help 7c. Describe the potential impacts to characteristic uses of the water body. These uses may include fish and aquatic life, water quality, water supply, recreation and aesthetics. Identify proposed actions to avoid, minimize, and mitigate detrimental impacts and provide proper protection of fish and aquatic life. Identify which guidance documents you have used. Attach a separate sheet if additional space is needed.

The purpose of the project is habitat restoration for the enhancement of habitat used by salmonids. Care will be taken not to adversely impact the water body during construction. Sediment control measures will be put in place to minimize disturbance to near shore marine environments and Salmon Creek. Silt fencing will be used seaward of the construction area. Silt fences will be used to control erosion at Salmon Creek where Site 1 borders Salmon Creek. A dike will be left along sites 4-6 as part of the project design. This dike will serve to minimize tidal erosion of the completed project. There will be some on-site disposal of material and a cover crop will be sown and mulched to stabilize deposited soils. After construction activities, the new salt marsh and tidal channels will have exposed soils. Immediately after construction we expect some erosion as the channels and marsh find a natural grade through several tidal cycles. We expect this to be a short-term condition and a necessary part of the process. There could also be erosion of soils deposited at the upland disposal site. Silt fencing will be used and the area will be planted with a cover crop.

help 7d. For in water construction work, will your project be in compliance with the State of Washington water quality standards for turbidity WAC 173.201A-110? [X] YES [ ] NO (See USEFUL DEFINITIONS AND INSTRUCTIONS)

help 8. Will the project be constructed in stages? [X] YES [ ] NO

Proposed starting date: May 2008

Estimated duration of activity: 3-4 months estimated

help 9. Check if any temporary or permanent structures will be placed: Yes, a temporary bridge across Salmon Creek for vehicle access

[X] Waterward of the ordinary high water mark or line for fresh or tidal waters AND/OR

[ ] Waterward of the mean higher high water for tidal waters?

help 10. Will fill material (rock, fill, bulkhead, or other material) be placed:

[ ] Waterward of the ordinary high water mark or line for fresh waters? NO

If **YES**, VOLUME (cubic yards) / AREA (acres)

[ ] Waterward of the mean higher high water for tidal waters?

If **YES**, VOLUME (cubic yards) / AREA (acres) NO

help 11. Will material be placed in wetlands? [X] YES [ ] NO

If **YES**: A temporary road will be constructed to haul material excavated from Site 1 to the upland storage site. The temporary road will cross degraded wetlands that have been used as pasture for grazing cows and harvesting hay. Material will be in place only for the duration of construction at site #1 and for a maximum duration of 2 months.

help A. Impacted area in acres: 0 .19 acres

help B. Has a delineation been completed? **If YES**, please submit with application. [X] YES [ ] NO

help C. Has a wetland report been prepared? **If YES**, please submit with application [X] YES [ ] NO

help D. Type and composition of fill material (e.g., sand, etc.) Coarse wood chips will be used for a temporary road bed

help E. Material source: Unknown at this time

help F. List all soil series (type of soil) located at the project site, and indicate if they are on the county's list of hydric soils. Soils information can be obtained from the natural Resources Conservation Service (NRCS).

Lu = Lummi Silt Loam – hydric soil SuB = Swantown gravelly loam, 0-8% slope
Cu= Cut and Fill land CmC = Clallam gravelly sandy loam, 0-15 % slopes
Bh= Belfast silt loam

help G. WILL PROPOSED ACTIVITY CAUSE **FLOODING** OR DRAINING OF WETLANDS? [x] YES [ ] NO

If **YES**, IMPACTED AREA IS: 8 acres flooded ACRES OF DRAINED WETLANDS: 0

NOTE: If your project will impact greater than 1/10 of an acre of wetland, submit a mitigation plan to the Corps and Ecology for approval along with the JARPA form.
NOTE: A 401 water quality certification will be required from Ecology in addition to an approved mitigation plan if your project impacts wetlands that are: a) greater than 1/10 acre in size, or b) tidal wetlands or wetlands adjacent to tidal water. Please submit the JARPA form and mitigation plan to Ecology for an individual 401 certification if a) or b) applies.

help 12. Stormwater Compliance for Nationwide Permits Only: This project is (or will be) designed to meet ecology's most current stormwater manual, or an Ecology approved local stormwater manual. [x] YES [ ] NO

If **YES** – Which manual will your project be designed to meet? Puget Sound Stormwater Manual

help If **NO** – For clean water act Section 401 and 404 permits only – Please submit to Ecology for approval, along with this JARPA application, documentation that demonstrates the stormwater runoff from your project or activity will comply with the water quality standards, WAC 173.201(A).

help 13. Will **excavation** or dredging be required in water or wetlands? [x] YES [ ] NO

If **YES**:

A. Volume: (cubic yards) /area 8 acres (acre)
B. Composition of material to be removed: Lummi soils, pasture grass and *Juncus effuses* (soft rush)
C. Disposal site for excavated material: Upland disposal on site, nearby project area as a backfill for overexcavation in areas where wood waste is to be removed, and any extra will likely go to a quarry pit reclamation site nearby.
D. Method of dredging: Excavators and backhoes with possible use of draglines

help 14. Has the State Environmental Policy Act (SEPA) been completed [x] YES [ ] NO

SEPA Lead Agency: Washington Department of Fish and Wildlife

SEPA Decision: DNS, MDNS, EIS, Adoption, Exemption Decision Date (end of comment period)

SUBMIT A **COPY OF YOUR SEPA DECISION LETTER** TO WDFW AS REQUIRED FOR A COMPLETE APPLICATION

help 15. List other Applications, approvals or certifications from other federal, state or local agencies for any structures, construction discharges or other activities described in the application (i.e. preliminary plat approval, health district approval, building permit, SEPA review, federal energy regulatory commission license (FERC), Forest practices application, etc.). Also, indicate whether work has been completed and indicate all existing work on drawings. NOTE: For use with Corps Nationwide Permits, identify whether your project has or will need an NPDES permit for discharging wastewater and/or stormwater.

TYPE OF APPROVAL	ISSUING AGENCY	IDENTIFICATION NO.	DATE OF APPLICATION	DATE APPROVED	COMPLETED?
SEPA review	WDFW				
Shoreline Permit	Jefferson County				
HPA	WDFW				
Biological Evaluation	Army Corps of Engineers				
Storm water Permit	Jefferson County				
Water Quality Certification	Department of Ecology				
Cultural Assessment	OAHP				
ESA Compliance, Section 7 Consultation	NOAA Fisheries Service				
Aquatic Use Authorization Notification	WA DNR				

help 16. Has any agency denied approval for the activity you're applying for or for any activity directly related to the activity described herein?

[ ] YES [x] NO

If **YES**, explain:

SECTION B - Use for Shoreline and Corps of Engineers permits only:

help 17a. Total cost of project. This means the fair market value of the project, including materials, labor, machine rentals, etc.
$1,400,000.00

help 17b. If a project or any portion of a project receives funding from a federal agency, that agency is responsible for ESA consultation. Please indicate if you will receive federal funds and what federal agency is providing those funds. See instructions for information on ESA.*

FEDERAL FUNDING [X] YES [ ] NO If **YES**, please list the federal agency. NOAA Fisheries

help 18. Local government with jurisdiction:	Jefferson County

help 19. For Corps, Coast Guard and DNR permits, provide names, addresses and telephone numbers of adjoining property owners, lessees, etc. ***Please note:*** *Shoreline Management Compliance may require additional notice – consult your local government.*

NAME	ADDRESS	PHONE NUMBER
Dorothea Tooker	282532 Highway 101 Port Townsend, WA 98368 or 1215 Jefferson Street Port Townsend, WA 98368	(360) 385-3274
Crystal Bonney	722 West Uncas Road, Port Townsend, WA 98368	unknown
Karen Blessing	282343 Highway 101 Port Townsend, WA 98368	360-385-4002
Mark Lang	270 Store Road Port Townsend, WA 98368	360-379-2992
Danae Larrance	282283 Highway 101 Port Townsend, WA 98368	360-732-7602

SECTION C - This section MUST be completed for any permit covered by this application

help 20. Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. I hereby grant to the agencies to which this application is made, the right to enter the above-described location to inspect the proposed, in-progress or completed work. I agree to start work **ONLY** after all necessary permits have been received.

_____ SIGNATURE OF APPLICANT	DATE
_____ SIGNATURE OF AUTHORIZED AGENT	DATE

I HEREBY DESIGNATE_____TO ACT AS MY AGENT IN MATTERS RELATED TO THIS APPLICATION FOR PERMIT(S). I UNDERSTAND THAT IF A FEDERAL PERMIT IS ISSUED, I MUST SIGN THE PERMIT.

_____
SIGNATURE OF APPLICANT DATE

_____
SIGNATURE OF LANDOWNER (EXCEPT PUBLIC ENTITY LANDOWNERS, E.G. DNR)

THIS APPLICATION MUST BE SIGNED BY THE APPLICANT AND THE AGENT, IF AN AUTHORIZED AGENT IS DESIGNATED.

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.

COMPLETED BY LOCAL OFFICIAL

A. Nature of the existing shoreline. (Describe type of shoreline, such as marine, stream, lake, lagoon, marsh, bog, swamp, flood plain, floodway, delta; type of beach, such as accretion, erosion, high bank, low bank, or dike; material such as sand, gravel, mud, clay, rock, riprap; and extent and type of bulkheading, if any)

B. In the event that any of the proposed buildings or structures will exceed a height of thirty-five feet above the average grade level, indicate the approximate location of and number of residential units, existing and potential, that will have an obstructed view:

C. If the application involves a conditional use or variance, set forth in full that portion of the master program which provides that the proposed use may be a conditional use, or, in the case of a variance, from which the variance is being sought: