

Agency Reference #:

Date Received:

Circulated by:

(local govt. or agency)

Project Tracking Number:



Washington State JOINT AQUATIC RESOURCES PERMIT APPLICATION (JARPA) Form



Step 1: Get Ready	Step 2: Complete Form	Step 3: Check Work	Step 4: Copy and Send In
Go to www.epermitting.org for correct form and instructions.	Use black ink. Check correct permit boxes. Use internet "Help" buttons to answer questions completely.	Use final review checklist at www.epermitting.org .	See JARPA Contacts at www.epermitting.org for correct mailing addresses.

- Fish Habitat Enhancement Projects per RCW 77.55.181. You must submit copy of completed JARPA form and Fish Habitat Enhancement JARPA Addition to your Local Government Planning Dep't and WA Dep't of Fish and Wildlife (WDFW) Area Habitat Biologist on same day. Note for Local Governments: You must submit comments to WDFW within 15 working days.

Based on instructions at www.epermitting.org, I am sending copies of this application to the following: (check all that apply)

- Local Government for Shoreline: Substantial Development Conditional Use Variance Exemption Revision
 Floodplain Management Critical Areas Ordinance
- Washington Department of Fish and Wildlife for Hydraulic Project Approval (Submit 2 copies to WDFW Region)
- 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
- Corps of Engineers for: Section 404 permit 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: *Statewide Marine Sediment Test Boring/Geotechnical Survey*

PROJECT DESCRIPTION: *Statewide Marine Sediment Test Boring/Geotechnical Survey to determine sub surface condition and design parameters for proposed WSDOT projects.*

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 State Department of Transportation (Attn: Eric Wolin)**

MAILING ADDRESS
 310 Maple Park Avenue SE, Olympia, WA 98504-7331

WORK PHONE 360-705-7487	E-MAIL ADDRESS WolinED@wsdot.wa.gov	HOME PHONE N/A	FAX # 360-705-6833
----------------------------	--	-------------------	-----------------------

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

MAILING ADDRESS

WORK PHONE	E-MAIL ADDRESS	HOME PHONE	FAX #
------------	----------------	------------	-------

help 3. Relationship of applicant to property: OWNER PURCHASER LESSEE _____

help 4. Name, address and phone number of property owner(s) if other than applicant:

help 5. Location (street address, including city, county and zip code, where proposed activity exists or will occur)

help Local government with jurisdiction (city or county) **N/A**

help Water body you are working in Marine (salt) Waters Statewide	help Tributary of Salt Water Bodies Statewide	help WRIA # Varies throughout Western Washington
help Is this waterbody on the 303(d) List <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If YES, what parameter(s)?	help Shoreline designation Varies	help Zoning designation N/A

1/4 Section N/A	Section N/A	Township N/A	Range N/A	Government Lot N/A	help DNR stream type if known N/A
--------------------	----------------	-----------------	--------------	-----------------------	---

help Latitude and Longitude: N/A	Tax Parcel Number N/A
--	--------------------------

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.

The current use of the property will vary from WSDOT Rights of Way to private property. Bridge and other roadway structures may be in the vicinity of the exploratory drilling. Vegetation will vary from native plant complexes to invasive weed species. A variety of fish species and other aquatic invertebrates may be present.

help Is the property agricultural land? YES NO **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.

The work involves exploratory soil boring drilled at various salt water locations throughout the state. Access and drilling equipment used will depend on site characteristics and will be carried out using any one or a combination of the following methods.

Geo-technical exploratory drilling and investigative sampling occurs to determine the sub-surface composition for the purpose of structure and roadway design, hazardous materials detection, groundwater monitoring and other exploratory activities. The sampling procedure is as follows:

A 4 inch casing is sealed into the lake or river bottom. The test boring is advanced through that casing with a 3 inch casing. At every 5 foot interval a split spoon sampler is lowered on a 2 1/4 inch rod through the 3 inch casing to the bottom of the hole for taking soil samples. This process is repeated to the required depth of the soil investigation.

TRUCK MOUNTED DRILL

The truck mounted drill will access boring locations that are on relatively flat, easy to access sites. Each drill will have a support truck for water, tooling, and other required supplies. It will be loaded on a barge for use.

PORTABLE BARGE

The Portable Barge is used in some situations. It consists of hauling transportable pontoons to the vicinity by trailer and setting them into the water with a boom truck for assembly into a barge. Drills and support equipment are placed on the barge and moved into position for the drilling operation. The barge is held in place by four anchors.

For operations in deep water, a truck mounted drill is placed on a large barge rented. Tug boats are used to maneuver the barge.

CONE PENETROMETER TEST TRUCK

The Cone Penetrometer test truck is used to send sound waves into the ground to determine the density of material under ground. It uses an electronic instrumented cone assembly, hollow core sounding rods, a 20 ton hydraulic thrust frame, and a computer data acquisition/processing system to perform the analysis. This is a self contained unit mounted on a truck. The system can be used from a barge.

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.

Geo-technical exploratory drilling and investigative sampling is necessary to determine the sub-surface composition for the purpose of structure and roadway design, hazardous materials detection, groundwater monitoring and other information as necessary.

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.

Potential impacts may include minor disturbance to aquatic and riparian vegetation while accessing the site. When possible, vegetation will not be removed, but will be driven over, or pruned out of the way, to allow for regeneration of the plant(s). Riparian woody vegetation disturbed beyond its point to recover will be replaced provided the replacement plant will not create safety issues for the traveling public, or impede maintenance personnel from performing routine maintenance activities on WSDOT structures. In areas where natural revegetation of the disturbed area is anticipated, planting of woody species may be waived and the site monitored for recruitment of volunteer species. Revegetation may also be done at a later date under the construction of the actual project.

Sedimentation and erosion could be associated with soil disturbance along the bank caused by access to the site, setting up equipment, removing equipment from the site or other factors. All disturbed areas will be treated with the appropriate Best Management Practices (BMPs) for the control of sedimentation and erosion.

The bed of the water body will be disturbed by the placement of the drilling shaft. This will be negligible due to the small size of the shaft (4" in diameter). A small amount of turbidity may be associated with placing, extending, and removing the boring shaft. This would be considered negligible and no Best Management Practices (BMPs) are being recommended.

Aquatic life, including fish, in the immediate vicinity of the operation may be affected by the noise associated with setting up the drill rig, the boring operation, and removal of the equipment from the site or by the use of a cone penetrometer. Impacts, although minimal, to the spawning beds could be associated with the installation of the drilling shaft. To minimize potential impacts to fish, work will be performed during the in-water work windows set forth by the Washington Department of Fish and Wildlife.

Water quality could be impacted if there was a spill or leak of fluids used to operate the drilling rig. Proper Best Management Practices (BMPs) will be utilized to insure any spills or leaks are contained and not released into the water body.

In the event of a violation, DOT's Environmental Compliance Assurance Procedure (ECAP) will be followed.

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-410)? YES Activities will be in compliance with WSDOT's most recent version of the Water Quality Implementing Agreement with the Department of Ecology and State water quality standards.

help 8. Will the project be constructed in stages? YES NO N/A
Proposed starting date: Upon receipt of the General HPA.
Estimated duration of activity: Five years from issuance date.

help 9. Check if any temporary or permanent structures will be placed:

Waterward of the ordinary high water mark or line for fresh or tidal waters: **Drilling equipment and associated supporting equipment.**

AND/OR

Waterward of the mean higher high water for tidal waters? **Drilling equipment and associated supporting equipment.**

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) *N/A* / AREA (acres) *N/A*

Waterward of the mean higher high water for tidal waters? **Yes, drill holes will be sealed with bentonite clay or other appropriate material as required by the Washington State Department of Ecology.**

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

help 11. Will material be placed in wetlands? **YES** **NO**

If **YES**:

help A. Impacted area in acres: *N/A*

help B. Has a delineation been completed? If **YES**, please submit with application. *N/A* **YES** **NO**

help C. Has a wetland report been prepared? If **YES**, please submit with application *N/A* **YES** **NO**

help D. Type and composition of fill material (e.g., sand, etc.) *N/A*

help E. Material source: *N/A*

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). *N/A*

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

If **YES**, IMPACTED AREA IS _____ ACRES OF DRAINED WETLANDS.

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 may be required from Ecology in addition to an approved mitigation plan if your project wetland impacts are greater than 1/10 acre in size. Please submit the JARPA form and mitigation plan to Ecology for 401 certification review.

help 12. Stormwater Compliance: This project is (or will be) designed to meet ecology's most current stormwater manual, or an Ecology approved local stormwater manual. **YES** **NO, the activities are for exploration and do not involve construction activities.**

If **YES** – Which manual will your project be designed to meet? *N/A*

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) *N/A*

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

If **YES**: **Core sample are taken every 3 feet from a 4" diameter pipe.**

A. Volume: *N/A* (cubic yards) /area *N/A* (acre) *N/A*

B. Composition of material to be removed: *N/A*

C. Disposal site for excavated material: *N/A*

D. Method of dredging: *N/A*

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

SEPA Lead Agency: **WSDOT**

SEPA Decision: DNS, MDNS, EIS, Adoption, **Exemption EXEMPT** Decision Date (end of comment period) *N/A*

WAC 197-11-800(17) Information collection and research.

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?
2007 Nationwide Permit #6	U.S. Army Corps of Engineers	N/A	N/A	N/A	N/A

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 NO
 If YES, explain:

N/A

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.

N/A

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.

FEDERAL FUNDING YES NO If YES, please list the federal agency. **In some situations, FHWA dollars may be associated with the work activity.**

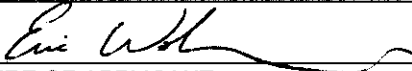
help 18. Local government with jurisdiction: N/A

help 19. 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
N/A	N/A	N/A

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
01/16/2009

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.

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:

These Agencies are Equal Opportunity and Affirmative Action employers.
For special accommodation needs, please contact the appropriate agency in the instructions