

**AGENCY USE ONLY**

Agency Reference #:

Date Received:

Circulated by:

(local govt. or agency)

**JOINT AQUATIC RESOURCES PERMIT APPLICATION FORM (JARPA)**

(for use in Washington State)

**PLEASE TYPE OR PRINT IN BLACK INK**



- 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)*

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

Washington Department of Fish and Wildlife for HPA (Submit 3 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  Section 10 permit

Coast Guard for General Bridge Act Permit

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

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

1. APPLICANT  
 Grays Harbor County Attn: Kevin Varness

MAILING ADDRESS  
 100 W. Broadway, Suite #31, Montesano, WA 98563

WORK PHONE (360) 249-4222	E-MAIL ADDRESS	HOME PHONE	FAX #
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**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**

2. AUTHORIZED AGENT  
 Pacific International Engineering<sup>PLLC</sup>

MAILING ADDRESS  
 606 Columbia St. NW, Suite 103, Olympia, WA 98501

WORK PHONE (360) 352-2232	E-MAIL ADDRESS michaeld@piengr.com	HOME PHONE	FAX #
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3. RELATIONSHIP OF APPLICANT TO PROPERTY:  OWNER  PURCHASER  LESSEE  OTHER:  
 Authorization for use of the project site would be required from the Washington State Parks and Recreation Commission

4. NAME, ADDRESS, AND PHONE NUMBER OF PROPERTY OWNER(S), IF OTHER THAN APPLICANT:  
 Washington State Parks and Recreation Commission  
 P.O. Box 42650  
 Olympia, WA 98504-2650

5. LOCATION (STREET ADDRESS, INCLUDING CITY, COUNTY AND ZIP CODE, WHERE PROPOSED ACTIVITY EXISTS OR WILL OCCUR)  
 The site is located between Ocean City and Copalis Beach in Grays Harbor County  
 LOCAL GOVERNMENT WITH JURISDICTION (CITY OR COUNTY) Grays Harbor County

WATERBODY YOU ARE WORKING IN Connor Creek, Pacific Ocean	TRIBUTARY OF	WRIA # 21
IS THIS WATERBODY ON THE 303(d) LIST? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
IF YES, WHAT PARAMETER(S)?		
<a href="http://www.ecy.wa.gov/programs/wq/links/impaired_wtrs.html">http://www.ecy.wa.gov/programs/wq/links/impaired_wtrs.html</a> WEBSITE FOR 303d LIST		

¼ SECTION	SECTION 34	TOWNSHIP T19N	RANGE 12W	GOVERNMENT LOT	SHORELINE DESIGNATION Rural and Ocean Beach
LATITUDE & LONGITUDE: 47°05'23"N,					ZONING DESIGNATION Resort Residential

124°10'21"W				
TAX PARCEL NO:			DNR STREAM TYPE, IF KNOWN	

6. DESCRIBE THE CURRENT USE OF THE PROPERTY, AND STRUCTURES EXISTING ON THE PROPERTY. 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 proposed project site is public beach that has been used for a variety of recreational activities; however, public and private access to the beach has been lost as a result of the northward migration of Connor Creek. There are no existing structures on the project site.

IS THE PROPERTY AGRICULTURAL LAND?  YES  NO ARE YOU A USDA PROGRAM PARTICIPANT?  YES  NO

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 proposal involves excavating a new channel near the historic (1987) mouth of Connor Creek and placing a "plug" of excavated material in the existing creek channel to prevent northward flow. This would shorten the existing lower Connor Creek channel (as of November, 2002) by approximately 8,000 feet. Two dikes would be constructed to limit the northward and southward migration of the new creek mouth to a zone approximately 2,000 feet in width (see site plan).

The bottom of the new excavated channel would be approximately 20 feet wide, with gently-sloping (5:1) banks. The excavated material would be used to plug the existing Connor Creek channel, and the northern dike would be tied into this plug. The southern dike would be tied into an existing rock revetment adjacent to the Surfcrest Condominiums. The seaward ends of both structures would terminate near or slightly below the Mean Higher High Water (MHHW) line. The dikes would consist primarily of layered, sand-filled geotextile tubes, with the seaward ends consisting of layered geotextile and armor rock constructed to resist wave forces. The dikes would be buried below existing grade for most of their length; only the tops of the rock-armored seaward ends would be exposed above grade. The dikes would be densely planted with vegetation appropriate for the exposure and salinity regime.

Following construction, the structures would be regularly monitored to ensure that they are performing as designed.

Equipment used in constructing the project would include: excavators, dozers, and off-road dump trucks. Scrapers may be used as an alternative to excavators for some portions of the work. Filling the geotubes would require a hopper for mixing the sand slurry and a pump for filling the geotubes.

**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.**

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 proposed project is designed to address erosion and flooding problems associated with the ongoing northward migration of Connor Creek. Substantial areas have been eroded along the eastern bank as the creek channel has migrated northward. The long, narrow barrier spit that has formed is considered unstable and at risk of breaching by floodwaters and wave runup. This could cause serious additional erosion and flood damage to residential, recreational, and commercial lands and infrastructure. The project would allow access to beach areas to be safely reestablished. The project would protect public and private investment in land, buildings, and infrastructure (water supply wells, septic systems, County roadways, State highway) by helping to ensure that lands and structures are not subject to further damage from erosion and flooding. Additional detail on the physical processes controlling the creek migration and the potential for barrier spit breaching is contained in the Preliminary Engineering Report (PI Engineering 2001).

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.

During construction, placement of the plug in the Connor Creek channel and other ground disturbance could cause temporary increases in turbidity. Appropriate measures such as re-routing of creek flows and installation of silt fences and other sediment control devices would be employed to reduce the potential for water quality impacts from construction. There would be temporary disturbance of approximately 0.25 acre of wetlands associated with foundation excavation and placement of the southern geotube dike. The top of the geotube dike would be re-covered with native soils and the disturbed area would be revegetated with wetland plant species.

The project would shorten the existing lower Connor Creek channel by approximately 8,000 feet (measured as of November, 2002). The portion of the creek channel that would be abandoned as a result of the project provides very shallow water column habitat that is devoid of vegetated cover, structure, or other habitat features that are considered important for migratory fish and other aquatic organisms. The unstable banks further degrade the quality of this habitat. Mitigation measures could include creation of a new side channel in a nearby area to offset the loss of channel function and provide improved instream habitat. The new side channel could be designed to provide habitat elements (stability, low velocity refuge, cover, structure, productivity) that are currently lacking in the lower portions of Connor Creek.

The project would also result in changes in hydrology and possibly salinity that could cause alterations in the density or type of vegetation present in wetlands located near the new constructed creek mouth. The project would cause water surface elevations in the creek and adjacent wetlands to be lower than under current conditions. This could cause the outer portions of the existing wetlands (away from the channel) to become drier. At the same time, the decreased water surface elevation would create conditions that would allow wetland vegetation to colonize new inner edges toward the channel. Monitoring over several growing seasons would be needed to determine if these changes result in a decrease or increase in wetland area or changes in vegetation types.

The vegetation types present in these wetlands could also be affected by changes in salinity from the introduction of seawater through the new creek mouth. Calculations that include tidal and creek inflow to the wetland area, mixing and dilution with water in the wetland, and discharge to the ocean on the falling tide, show that salinity could rise to 10 ppt during the summer low flow period and in the hours just around the peak of the higher high tide. In other parts of the tidal cycle, salinity could fall to near zero. Calculations also show that if a large volume of water having ocean salinity were introduced into the wetland, salinity

would return to the 1 – 10 ppt level in the wetland in a few tidal cycles. Potential wetland alterations that could result from changes in the hydrologic or salinity regime would be mitigated by the creation of new vegetated wetlands in a nearby location. The functional objective of the mitigation actions would be to provide vegetated estuarine habitat that supports anadromous and resident fish as well as wetland-associated birds and mammals at a level of function similar to that which currently exists within the area that may be affected by the project. A detailed wetland mitigation plan will be submitted under separate cover.

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?  YES  NO (SEE USEFUL DEFINITIONS AND INSTRUCTIONS)

8. WILL THE PROJECT BE CONSTRUCTED IN STAGES?  YES  NO

PROPOSED STARTING DATE: Project construction will begin as soon as all required permits and funding are obtained.

ESTIMATED DURATION OF ACTIVITY: Construction is expected to take 4 to 5 weeks to complete.

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; AND/OR

WATERWARD OF MEAN HIGHER HIGH WATER LINE IN TIDAL WATERS

10. WILL FILL MATERIAL (ROCK, FILL, BULKHEAD, OR OTHER MATERIAL) BE PLACED:

WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE FOR FRESH WATERS? IF YES, VOLUME (CUBIC YARDS) 4,370/AREA 0.5 (ACRES)

WATERWARD OF THE MEAN HIGHER HIGH WATER FOR TIDAL WATERS? IF YES, VOLUME (CUBIC YARDS) 12,718 AREA      (ACRES)

The volume given represents the portions of the geotube/rock dikes placed below elevation 8.4 ft NAVD88; however, much of this material will be located landward of the MHHW line.

11. WILL MATERIAL BE PLACED IN WETLANDS?  YES  NO

IF YES:

A. IMPACTED AREA IN ACRES: 0.25 acre

B. HAS A DELINEATION BEEN COMPLETED? IF YES, PLEASE SUBMIT WITH APPLICATION.  YES  NO

C. HAS A WETLAND REPORT BEEN PREPARED? IF YES, PLEASE SUBMIT WITH APPLICATION.  YES  NO

D. TYPE AND COMPOSITION OF FILL MATERIAL (E.G., SAND, ETC.): Fill material will consist of geotubes filled with native sands.

E. MATERIAL SOURCE: Sand will be obtained from on-site excavation; rock will be obtained from an off-site commercial source

F. LIST ALL SOIL SERIES (TYPE OF SOIL) LOCATED AT THE PROJECT SITE, & INDICATE IF THEY ARE ON THE COUNTY'S LIST OF HYDRIC SOILS. SOILS INFORMATION CAN BE OBTAINED FROM THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS): The Soil Survey lists soils on the site as beach sands. These are not listed as hydric soils.

G. WILL PROPOSED ACTIVITY CAUSE FLOODING OR DRAINING OF WETLANDS? See below  YES  NO

IF YES, IMPACTED AREA IS      ACRES OF DRAINED WETLANDS.

Changes in water surface elevations that would result from the project could cause the higher-elevation portions of wetlands to become drier. At the same time, the decreased water surface elevation would create conditions that would allow wetland vegetation to migrate toward the stream channel. Monitoring would be required to determine if these changes result in an increase or decrease in wetland area.

NOTE: If your project will impact greater than 1/2 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 1/2 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.

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  YES  NO

IF YES – WHICH MANUAL WILL YOUR PROJECT BE DESIGNED TO MEET \_\_\_\_\_.

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)

13. WILL EXCAVATION OR DREDGING BE REQUIRED IN WATER OR WETLANDS?  YES  NO

IF YES:

A. VOLUME: 1,920 (CUBIC YARDS) / AREA 0.25 (ACRES)

B. COMPOSITION OF MATERIAL TO BE REMOVED: Beach sands with some organic content. This material will be replaced with sand-filled geotubes buried below grade.

C. DISPOSAL SITE FOR EXCAVATED MATERIAL: Suitable excavated material will be used to fill geotubes. Unsuitable or excess material will be disposed of at an appropriate upland location.

D. METHOD OF DREDGING: Material will be excavated using a backhoe.

14. HAS THE STATE ENVIRONMENTAL POLICY ACT (SEPA) BEEN COMPLETED?  YES  NO

SEPA LEAD AGENCY: Grays Harbor County 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

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	Grays Harbor County				
Authorization for use	WA State Parks and Recreation				

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:

In 1997 the Environmental Protection Agency and U.S. Fish and Wildlife Service recommended denial of federal permits for a Connor Creek erosion control project proposed by Grays Harbor County. Processing of that permit application was not completed.

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

17a. TOTAL COST OF PROJECT. THIS MEANS THE FAIR MARKET VALUE OF THE PROJECT, INCLUDING MATERIALS, LABOR, MACHINE RENTALS, ETC.

The cost of the project is estimated at \$2,070,000.

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  YES  NO IF YES, PLEASE LIST THE FEDERAL AGENCY \_\_\_\_\_ It is not known at this time if the project will involve federal funding.

18. LOCAL GOVERNMENT WITH JURISDICTION:

Grays Harbor County

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
WA State Parks and Recreation Commission	P.O. Box 42650, Olympia, WA 98504-2650	(360) 902-8500
	Please see attached list for other adjacent property owners	

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

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 _____ DATE _____ 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:

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