



WASHINGTON STATE DEPT OF
**NATURAL
RESOURCES**

Application for Use of State-Owned Aquatic Lands

Applicant Name: Skokomish Indian Tribe

County: Jefferson County

Water Body: Dabob Bay

Type of Authorization - Use: Lease - Aquaculture

Authorization Number: 20-100212

Term: 10 years

Description: This agreement will allow use of State-owned aquatic lands for the sole purposes of cultivating and harvesting shellfish for human consumption in Dabob Bay, Jefferson County Washington.

10/20/2020

Applicant: Skokomish Indian Tribe
Application No. 20-100212
Proposed Use: Lease - Aquaculture
Location: Dabob Bay, Jefferson County



WASHINGTON STATE DEPT OF
NATURAL
RESOURCES



Map

Every attempt was made to use the most accurate and current geographic data available. However, due to multiple sources, scales, and the currency of the data used to develop this map Washington Department of Natural Resources cannot accept responsibility for errors and omissions in the data. Furthermore, this data is not survey grade information and cannot be substituted for an official survey. Therefore, there are no warranties that accompany this material

Location Description:

Lat: 47.80320 N
Long: -122.78671 W

S 27 T 27 R 01W WM



Date: 01/02/2020
Prepared By:
Jillian Greenwood



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



AGENCY USE ONLY

Date received: 9-5-19; Town

Application Fee Received; Fee N/A

New Application; Renewal Application

Type/Prefix #: 20; NaturE Use Code: Z143

LM Initials & BP#: SCPR490 1051016

RE Assets Finance BP#: 1069287

New Application Number: 20-100212

Trust(s): 21; County: 16

AQR Plate #(s): T516-020

Gov Lot #(s): _____

Tax Parcel #(s): _____

Attachment E:
Aquatic Use Authorization on
Department of Natural Resources
(DNR)-managed aquatic lands [help]

Complete this attachment and submit it with the completed JARPA form only if you are applying for an Aquatic Use Authorization with DNR. Call (360) 902-1100 or visit <http://www.dnr.wa.gov/programs-and-services/aquatics/leasing-and-land-transactions> for more information.

- DNR recommends you discuss your proposal with a DNR land manager before applying for regulatory permits. Contact your regional land manager for more information on potential permit and survey requirements. You can find your regional land manager by calling (360) 902-1100 or going to <http://www.dnr.wa.gov/programs-and-services/aquatics/aquatic-districts-and-land-managers-map>. [help]
- The applicant may not begin work on DNR-managed aquatic lands until DNR grants an Aquatic Use Authorization.
- Include a \$25 non-refundable application processing fee, payable to the "Washington Department of Natural Resources." (Contact your Land Manager to determine if and when you are required to pay this fee.) [help]

DNR may reject the application at any time prior to issuing the applicant an Aquatic Use Authorization. [help]

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

1. Applicant Name (Last, First, Middle)	
Paul, Blair, Michael/Skokomish Tribe <u>Indian</u>	
2. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]	
Skokomish Dabob Lease	
3. Phone Number and Email	
360-490-8634/bpaul@skokomish.org	
4. Which of the following applies to Applicant? Check one and, if applicable, attach the written authority – bylaws, power of attorney, etc. [help]	
<input type="checkbox"/> Corporation <input type="checkbox"/> Limited Partnership <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Liability Company Home State of Registration: _____	<input type="checkbox"/> Individual <input type="checkbox"/> Marital Community (Identify spouse): _____ <input checked="" type="checkbox"/> Government Agency <input checked="" type="checkbox"/> Other (Please Explain): _____

5. Washington UBI (Unified Business Identifier) number, if applicable: [\[help\]](#)

6. Are you aware of any existing or previously expired Aquatic Use Authorizations at the project location?
 Yes No Don't know
 If Yes, Authorization number(s): Lease # 20-B12695 (Pederson Shellfish Farm)

7. Do you intend to sublease the property to someone else?
 Yes No
 If Yes, contact your Land Manager to discuss subleasing.

8. If fill material was used previously on DNR-managed aquatic lands, describe below the type of fill material and the purpose for using it. [\[help\]](#)

N/A

To be completed by DNR and a copy returned to the applicant.

Signature for projects on DNR-managed aquatic lands:

Applicant must obtain the signature of DNR Aquatics District Manager OR Assistant Division Manager if the project is located on DNR-managed aquatic lands.

I, a designated representative of the Dept. of Natural Resources, am aware that the project is being proposed on Dept. of Natural Resources-managed aquatic lands and agree that the applicant or his/her representative may pursue the necessary regulatory permits. My signature does not authorize the use of DNR-managed aquatic lands for this project.

<u>Josh D. Peters</u>	<u></u>	<u>11/22/19</u>
Printed Name	Signature	Date
Dept. of Natural Resources District Manager or Assistant Division Manager	Dept. of Natural Resources District Manager or Assistant Division Manager	

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 ORIA-16-016 rev. 10/2016



WASHINGTON STATE

Joint Aquatic Resources Permit Application (JARPA) Form^{1,2} [\[help\]](#)

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



US Army Corps
of Engineers
Seattle District

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [\[help\]](#)

Skokomish Dabob Lease

Part 2–Applicant

The person and/or organization responsible for the project. [\[help\]](#)

2a. Name (Last, First, Middle)

Pavel, Joseph

2b. Organization (If applicable)

Skokomish Tribe

2c. Mailing Address (Street or PO Box)

80 North Tribal Center Road

2d. City, State, Zip

Skokomish Nation, WA 98584

2e. Phone (1)

(360) 490-7954

2f. Phone (2)

(360) 877-5213

2g. Fax

2h. E-mail

jpavel@skokomish.org

¹Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

²To access an online JARPA form with [\[help\]](#) screens, go to

http://www.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)			
Paul, Blair, Michael			
3b. Organization (If applicable)			
Skokomish Tribe			
3c. Mailing Address (Street or PO Box)			
N. 541 Tribal Center Rd.			
3d. City, State, Zip			
Skokomish Nation, WA 98584			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail
(360) 490-8634			bpaul@skokomish.org

Part 4—Property Owner(s)

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

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

4a. Name (Last, First, Middle)			
4b. Organization (If applicable)			
Washington Department of Natural Resources, Orca-Straits District			
4c. Mailing Address (Street or PO Box)			
919 N Township Street			
4d. City, State, Zip			
Sedro-Wooley, WA 98284			
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail
(360)-856-3500			

Part 5–Project Location(s)

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

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

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input type="checkbox"/> Private <input type="checkbox"/> Federal <input type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.) <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete JARPA Attachment E)			
5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Quilcene, WA			
5d. County [help]			
Jefferson			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
Fronting Govt Lots 1,2,3, and 4	27	27 North	1 West W.M.
5f. Provide the latitude and longitude of the project location. [help]			
<ul style="list-style-type: none"> Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83) 			
Lease 20-100212: 47.80320, -122.78671 (centroid)			
5g. List the tax parcel number(s) for the project location. [help]			
<ul style="list-style-type: none"> The local county assessor's office can provide this information. 			
N/A – Aquatic Tidelands			
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)
(see Attachment C)			

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

There are no freshwater wetlands nearby, however, the USFWS technically classifies this and an adjacent area as Estuarine and Marine Wetland (note: USFWS National Wetland Inventory classifies all Puget Sound shoreline as such; <https://www.fws.gov/wetlands/Data/Mapper.html>).

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

Hood Canal; Dabob Bay to north, south, and west.

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

Yes No Don't know

5l. Briefly describe the vegetation and habitat conditions on the property. [\[help\]](#)

This is a long beach with several distinct habitats—ranging from steeper cobble sections to flatter sandy sections and large swaths of the lower intertidal beach covered in eelgrass (*Zostera marina* predominates on the majority of the sand flat with large areas of *Zostera japonica* present across a narrow band of tidal elevations (-1 MLLW to +2 ft) as identified as site hdc2468 in WA DNR report titled ‘Puget Sound Submerged Vegetation Monitoring Project; 2008 Monitoring Report’ by Jeffrey Gaeckle et al.). The northern section of high intertidal is mostly sand, presumably due to historic activity by the feeder bluff immediately upland of this area except for a narrow patch of *Z. Marina* observed down the center of the sand flat. The middle section of the tideland is characterized by cobble in the upper tidal elevations that extend to the southern boundary except a blank cobble/sand section in front of the house at the southern end of the beach. The lower sections of the entire tideland are primarily eelgrass and sand flats and is the dominant feature of this area. The cobble present in the upper intertidal contains naturally producing Pacific oysters (*Crassostrea gigas*) and intermittent low-density Manila clams (*Venerupis philippinarum*) with lower tidal elevation sandy eelgrass areas containing a few horse clams. There is additionally a stretch of mud/sand near the middle of the beach that supports ghost shrimp (*Neotrypaea californiensis*) and sand dollars (*Dendraster excentricus*) with associated fauna. This property abuts a large and active (unarmored) feeder bluff on the north side of the tideland. There are some patches of both native (*Z. marina*) and Japanese (*Z. japonica*) eelgrass throughout the property ranging from roughly -8.0 to about +1.0 MLLW—with *Z. japonica* existing at higher elevations and *Z. marina* at lower elevations (to about 0.0' MLLW as an upper limit). Eelgrass is extensive, contiguous, and patchy at upper elevations. Other species observed at low densities were *Sargassum spp.* between 0.0 to 1.0' MLLW, *Cystoceira*, and rockweed (*Fucus spp.*) found in the mid-low intertidal. Adjacent properties are similar in habitat and the upland are sparsely developed with mostly timber and a few isolated houses. One stairway accesses the beach from private property in the middle of the beach, owned by Jan Marina and Erika Ramirez; however the previous owner was the Pederson's, who also were the previously lease holders of this DNR aquatic lands. Another house is present on a waterfront lot on the southern portion of the beach. See attached map for eelgrass and oyster habitat visual.

5m. Describe how the property is currently used. [\[help\]](#)

The property had an active lease for the past decade that expired more than a year ago. During discussions with the previous tenant, the Pederson's, it was stated that the natural oyster and clam beds were the source of harvest during their lease. They did not indicate any seeding activities or habitat enhancement of any type. There are at least two temporary boat moorings, one near the houses in the middle and the other at the southern end of the beach where an isolated house exists. Other than that, the property appears largely undisturbed. There are remnant oyster bags found on the southern section near the boundary that appear to be from the adjacent property. The majority of the tideland is occupied by a mixture of native and invasive eelgrass *Z. marina* and *Z.japonica*, occupying 33.5 acres of the sandy tidal flats, mostly between +1.0 MLLW and -2.5 MLLW tidal elevations.

5n. Describe how the adjacent properties are currently used. [\[help\]](#)

The property adjacent to the south appears to be a privately-owned tideland with historic enhancement activity. A small developed community exists to the north of the aquatic lease upland of DNR owned tidelands that are not part of this lease. Adjacent tidelands to the north of the DNR owned, non-leased tidelands, are privately owned and are assumed to be homeowners with tidal ownership rights. The uplands are largely undeveloped, high bank terrain, with timber and a few houses, several of which have stairways for beach access.

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

There are oyster beds throughout the higher intertidal cobble habitat. There is at least one boat mooring near the house at the southern end of the beach and a bulkhead with a house in the center of the beach. A large rock is present at MLLW in front of the house with cement poured on top of the rock with some anchoring attachments, presumably placed by the previous lease holders. Other than that, the property appears largely undisturbed. A feeder bluff is present upland of the northern section of the beach and appears to have contributed sand to the tideland seen by the absence of oysters or cobble in that section and higher elevation sand opposed to the southern section that does not have these features.

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

Upland access to this site is limited to private residence access roads and stairs that lead to the uplands of this aquatic parcel. The closest public road is Coyle Road, accessible from WA SR 104 via Center and Dabob Rds. Access is also possible via boat from several boat launches on the west side of Hood Canal (Pleasant Harbor & Pt. Whitney boat ramps; U.S. 101 and also Quilcene marina; Linger Longer Rd.). Map attached.

Part 6–Project Description

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

Protect and enhance cultural and subsistence resources as well as pursue commercial shellfish aquaculture for the benefit of Skokomish tribal members.

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

The Skokomish Tribe wishes to lease this property to protect and enhance cultural and subsistence resources as well as pursue commercial shellfish aquaculture. Plans include on-bottom oyster culture, bottom-attached bag culture for single oysters, oyster spat collecting bags, Manila clam culture (netting), gravelling to enhance clam habitat, and Olympia oyster restoration and enhancement.

The Tribe also plans to use these parcels for wild oyster (Pacific oyster) catch seasonally to support enhancement of oysters on other beaches of Hood Canal.

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) [\[help\]](#)

<input checked="" type="checkbox"/> Aquaculture <input type="checkbox"/> Bank Stabilization <input type="checkbox"/> Boat House <input type="checkbox"/> Boat Launch <input type="checkbox"/> Boat Lift <input type="checkbox"/> Bridge <input type="checkbox"/> Bulkhead <input type="checkbox"/> Buoy <input type="checkbox"/> Channel Modification	<input type="checkbox"/> Culvert <input type="checkbox"/> Dam / Weir <input type="checkbox"/> Dike / Levee / Jetty <input type="checkbox"/> Ditch <input type="checkbox"/> Dock / Pier <input type="checkbox"/> Dredging <input type="checkbox"/> Fence <input type="checkbox"/> Ferry Terminal <input type="checkbox"/> Fishway	<input type="checkbox"/> Float <input type="checkbox"/> Floating Home <input type="checkbox"/> Geotechnical Survey <input type="checkbox"/> Land Clearing <input type="checkbox"/> Marina / Moorage <input type="checkbox"/> Mining <input type="checkbox"/> Outfall Structure <input type="checkbox"/> Piling/Dolphin <input type="checkbox"/> Raft	<input type="checkbox"/> Retaining Wall (upland) <input type="checkbox"/> Road <input type="checkbox"/> Scientific Measurement Device <input type="checkbox"/> Stairs <input type="checkbox"/> Stormwater facility <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Utility Line
<input checked="" type="checkbox"/> Other: Gravel habitat enhancement for expanding clam ground.			

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.

Various shellfish aquaculture installations will be employed, according to the beach characteristics and feasibility (see attached map):

-Cultch bags (blank oyster shell in bags) will be deployed seasonally to catch wild sets of oysters. These structures will be placed in late spring and removed via hand removal to boat or a mechanical lift via boat in fall; cultch bags will include no other gear. Tidal elevations used will be 0.0' MLLW to about +1.0' MLLW. The area used for the seasonal deployment of shell (cultch) bags as spat collectors will occur on 1.3 acre (actual footprint will be smaller in size due to limitation of number of bags available on any given year) on the northern and southern portion of the parcel (plot A & I on Plan view map). Cultch bags will be used to supply on-site oyster cultivation (plots E-H) and also used to enhance off-site beaches. All relevant ACOE permitting and WDFW transfer permit requirements will be met.

-Oyster bags will be installed for growout of single oysters, using high density UV stabilized polyethylene bags. Bags will be anchored to the bottom using with "J" shaped rebar "candy canes" to ensure no vertical relief. Bags will be flipped periodically and use clips and lines to secure. Oyster bags will be used on up to 1.0 acres in the northern portion of the parcel (plot A) and 0.3 acres in the southern portion of the parcel (plot I). Oysters will be harvested by hand.

-Oyster seed-on-cultch will be spread in current oyster culture areas (plots E-H) for on-bottom cultivation, including Olympia oysters. On-bottom culture of Pacific oysters will occur on up to 6.4 acre in the upper tidal elevation (+1.0 to +3.0 MLLW) of the parcel. Olympia oysters will be enhanced in a lower elevation area on the southern parcel at about +1 to 0.0 MLLW (plot H). Oyster seed will be spread by hand at low tide, or sloughed off using a water jet or by hand via boat at high tide. Oysters will be enhanced for ecological value, as well as cultural and subsistence value. Some Olympia oysters may eventually be harvested for subsistence/ceremonial use by hand.

-Clam grounds will be enhanced using 5/8" minus granite gravel sloughed off using a water pump via a boat for a lift of less than 1". Annual application is planned for graveling. The area of the beach that graveling will occur is 3.3 acres on the central and northern sections of the beach (plots B-D) where native eelgrass (*Z.marina*) is not present and with a minimum of 25 ft buffer from any identified native eelgrass (see maps and eelgrass delineation survey). This activity will occur within the work windows identified for Salmon (July 16 - March 1), Bull trout (July 16 - February 15), and forage fish (Herring; April 15 - February 14 and Sand Lance; March 2 - October 14). Combined, the work window is July 16- October 14.

-Clam nets will be installed at a few flatter locations, on up to 3.3 acres (plots B-D) following a few years of graveling where the depth is sufficient to allow clams to inhabit the gravel. Nets will be constructed of UV-protected polyethylene, 600 or 400 denier x 6 ply x 10 mm square mesh, 15 x 50 ft net. The netting will have no vertical relief and will be secured with "J" shaped rebar "candy canes." Clam seed will be spread by hand and regular repair and maintenance of nets will occur annually and the nets will be in place from September-April. Harvest will occur using hand rakes.

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: 1/2021 End Date: indefinitely See JARPA Attachment D

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

TBD, estimate ~\$500k over 6 years

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

7b. Will the project impact wetlands? [\[help\]](#)

Yes No Don't know

7c. Will the project impact wetland buffers? [\[help\]](#)

Yes No Don't know

7d. Has a wetland delineation report been prepared? [\[help\]](#)

- If **Yes**, submit the report, including data sheets, with the JARPA package.

Yes No

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

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

Yes No Don't know

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

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

Yes No Don't know

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

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)

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

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. [\[help\]](#)

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 Tribe will comply with the Conservation Measures and applicable terms and conditions from the Programmatic Biological Opinions for Shellfish Activities in Washington State Inland Marine Waters (U.S. Fish and Wildlife Service (USFWS) Reference Number 01EWF00- 2016-F-0121, National Marine Fisheries Service (NMFS) Reference Number WCR-2014- 1502).

As a government agency, the Tribe’s DNR has biological experts on staff who will help ensure impact to the beach is minimized. General guidelines, in addition to those stated above to be used are as follows:

- Nets and bags will be maintained in such a way to minimize potential impacts to wildlife, prevent loss to the marine environment, and maintain aesthetic appeal. Labelling of gear with identification will take place and beach patrols will occur regularly.
- Non-lethal pest control techniques will be prioritized. No intentional lethal treatment of sand-dollars, sea stars, moon snails, or crabs will occur.
- Activities will be timed to prevent disturbance to spawning forage fish, species of conservation concern, and neighbors.
- No dredging will take place, nor will the construction of any berms, walls, or similar structures occur.
- No storage of equipment or unnecessary gear will occur on these tidelands.
- Impacts to Essential Fish Habitat (such as eelgrass) will be avoided.
- Invasive eelgrass (*Z. japonica*) will be left in place and avoided for planned activities other than those outlined in this application.
- No installations will occur in or near drainage channels or creeks.
- The Tribe will abide by all permitting requirements set forth by WDFW, DOE, Army Corps of Engineers, DOH, WDNR, and Skokomish DNR.
- Broodstock for all cultivated shellfish will be of local provenance.
- Recycling and proper disposal of gear and trash will occur.
- Boats will be used in a manner that minimizes impacts to marine flora and fauna—such as anchoring off-shore and beaching in low-impact areas.

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

The project is not expected to have significant adverse impacts to the species of the property area. Gravel enhancement is limited to <1" lift annually to allow organisms to move up without smothering, no dredging will be conducted, a buffer (minimum of 25 feet) will be maintained between any gravel or shell placement on the tideland from the native eelgrass (*Z. Marina*), and the work windows will be adhered to in order to minimize risk of impacting ESA listed species. These steps will be adhered to so that impacts are avoided that would generate the need for a mitigation plan, however if a mitigation plan is determined to be necessary, one will be prepared.

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. [\[help\]](#)

A mitigation plan would be necessary if the guidelines of the programmatic biological opinion were not used to decide on what actions were planned for this project.

8e. Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Gravel (5/8" minus granite)	Dabob Bay	Inter-tidal	permanent	134 yards ³ /acres/yr = 437 yards ³	3.3 acres

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. [\[help\]](#)

437 yards³ yr⁻¹ is planned to be placed in the intertidal (plots B-D) to have a lift of <1" to ensure the ability for organisms to move up without being smothered. This will occur for 4 to 6 years and then clam seed will be placed along with natural recruitment of clams to create a clam bed. The source of the material is Cal-Portland gravel pit located in DuPont and will be cleaned gravel 5/8" minus delivered by barge/boat and sloughed off the boat using a water jet to ensure even application of the gravel over the target area. Bamboo stakes will be used to visually identify these areas on the tideland during application and on-ground inspections will take place following application to ensure no areas have over 1" lift. If necessary, raking and shovels will be used to flatten any area with a lift over 1".

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. [\[help\]](#)

N/A

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
Washington Dept. of Natural Resources	Sean Carlson	(360) 732-7411	08/28/19

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

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.

17110018 (Hood Canal)

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 17

Quilcene-Snow

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. [\[help\]](#)

It was previously used for the cultivation and harvest of shellfish.

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

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

Yes No

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. [\[help\]](#)

Bull trout

Marbled murrelet

Chinook salmon

Summer chum salmon

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. [\[help\]](#)

Habitat: Puget Sound Nearshore

Species:

Butter clam

Geoduck

Olympia oyster

Native littleneck clam

Dungeness crab

Pandalid shrimp

Green sturgeon

White sturgeon

Surf smelt

Pacific herring

Chinook salmon

Chum salmon

Pink salmon

Coho salmon

Searun cutthroat trout

Steelhead

Pacific sand lance

English sole

Rock sole

Common murre

Great blue heron

Cavity-nesting ducks (bufflehead, common goldeneye, Barrow's goldeneye)

Bald eagle

Brant's cormorant

Cassin's auklet

Common loon

Western grebe

Brant

Peregrine falcon

California sea lion

Dall's porpoise

Pacific harbor porpoise

Harbor seal

Humpback whale

Orca

Steller sea lion

Columbian black-tailed deer

Manila clam

Pacific oyster

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/opus/>.
- 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 Jefferson County, WA (lead agency). The expected decision date is January to March, 2021.

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 Non-Federally Regulated Waters

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:

For projects or bridges over waters of the United States, contact the U.S. Coast Guard at: d13-pf-d13bridges@uscg.mil

Bridge Permit

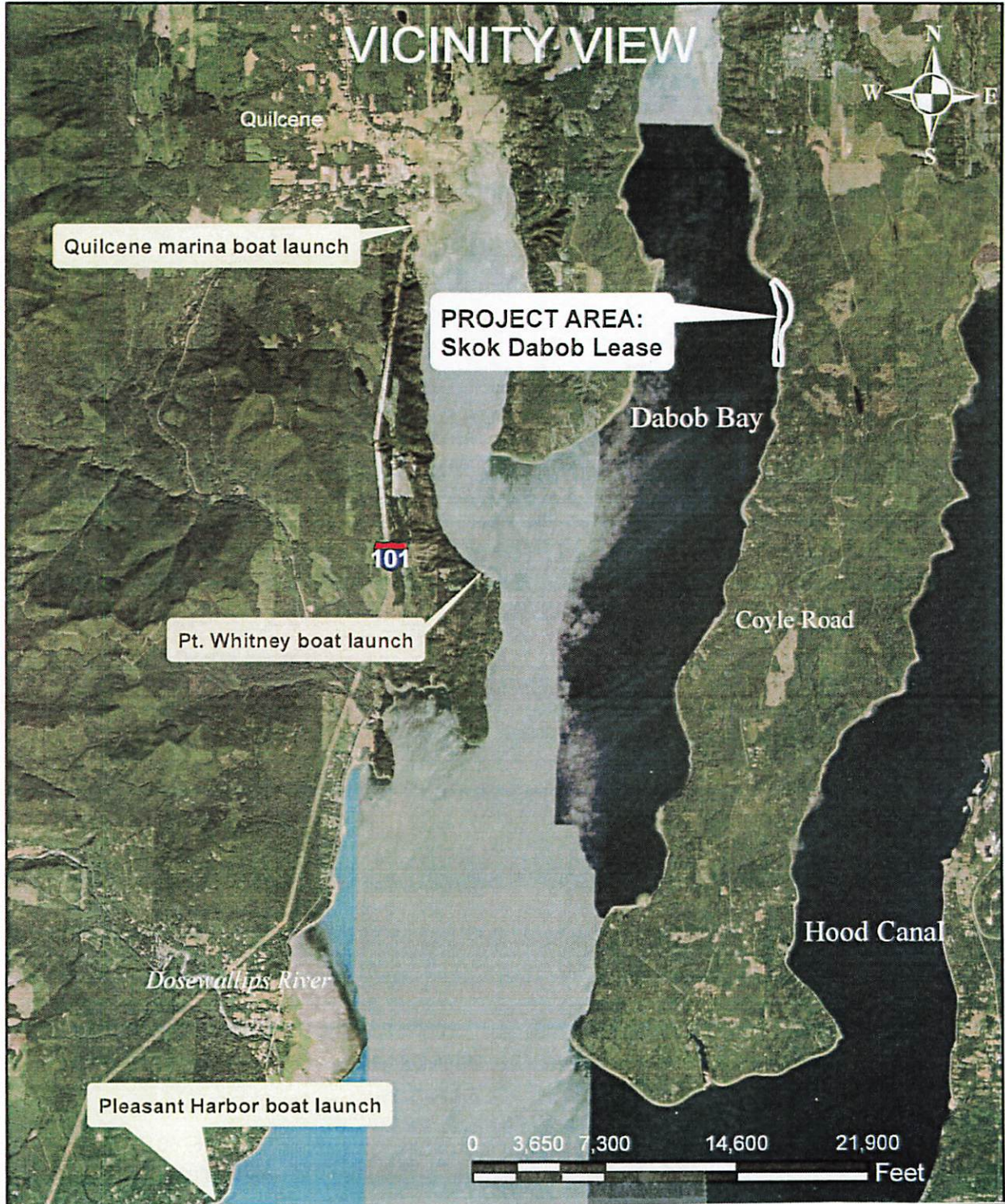
Private Aids to Navigation (or other non-bridge permits)

United States Environmental Protection Agency:

Section 401 Water Quality Certification (discharges into waters of the U.S.) on tribal lands where tribes do not have treatment as a state (TAS)

Tribal Permits: (Check with the tribe to see if there are other tribal permits, e.g., Tribal Environmental Protection Act, Shoreline Permits, Hydraulic Project Permits, or other in addition to CWA Section 401 WQC)

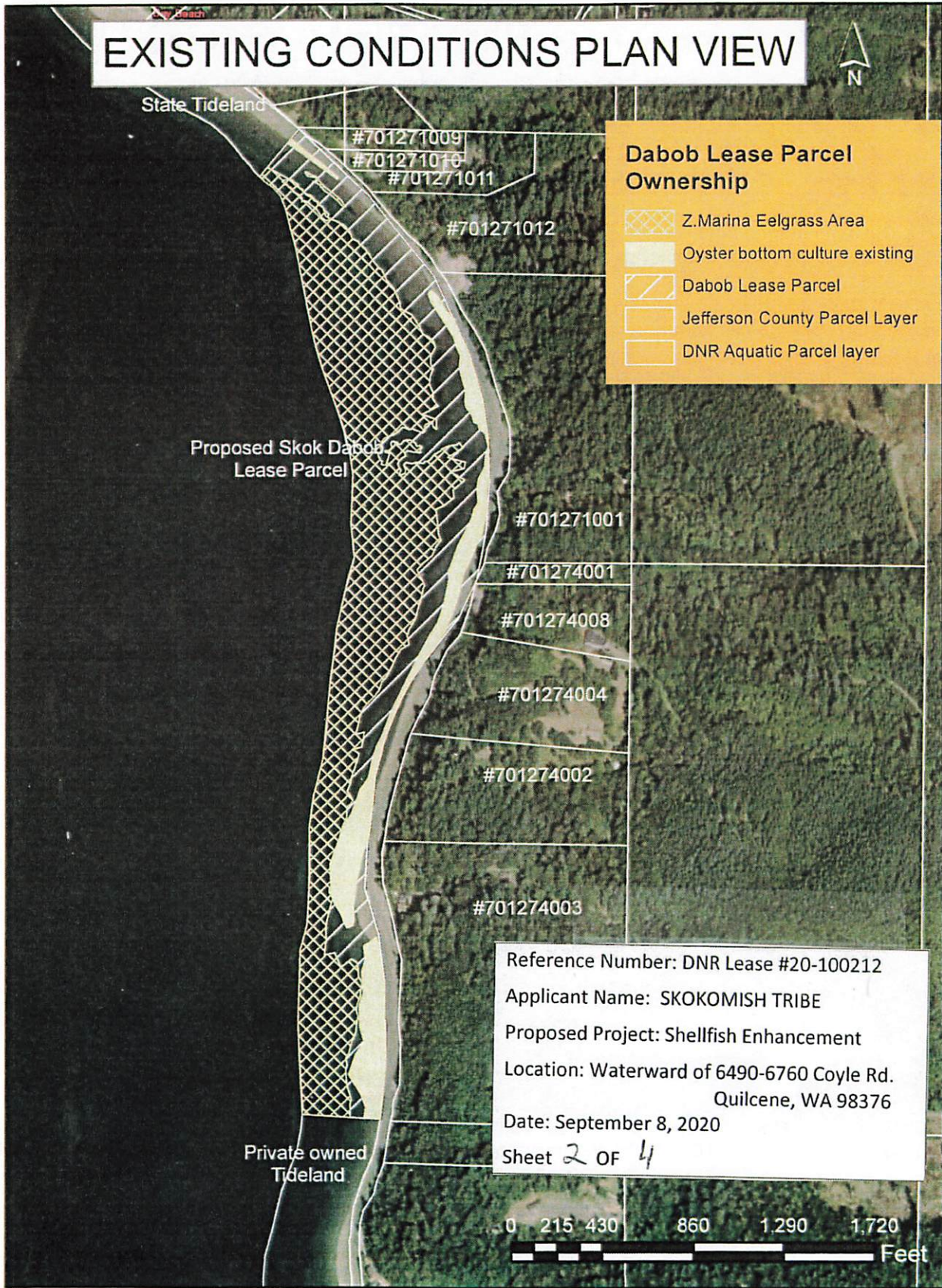
Section 401 Water Quality Certification (discharges into waters of the U.S.) where the tribe has treatment as a state (TAS).



REFERENCE: DNR Lease #20-100212 LOCATION: Waterward of 6490-6760 Coyle Rd. PROPOSED PROJECT: Shellfish Enhancement
 Quilcene, WA 98376

APPLICANT: SKOKOMISH TRIBE LAT/LONG: N47.80320/W122.78671 (centroid) IN: Hood Canal
 ADJACENT PROPERTY OWNERS: DATE: September 8, 2020 NEAR/AT: Quilcene, WA
 1. WA DEPT OF NATURAL RESOURCES PAGE 1 OF 4 COUNTY: JEFFERSON
 2. Parcel #'s; 701274003, 701274002, 701274004, 701274008, 701274001, STATE: WA
 701271001, 701271012, 701271011, 701271010, 701271009, 701271008

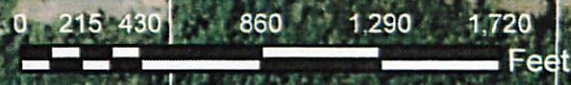
EXISTING CONDITIONS PLAN VIEW



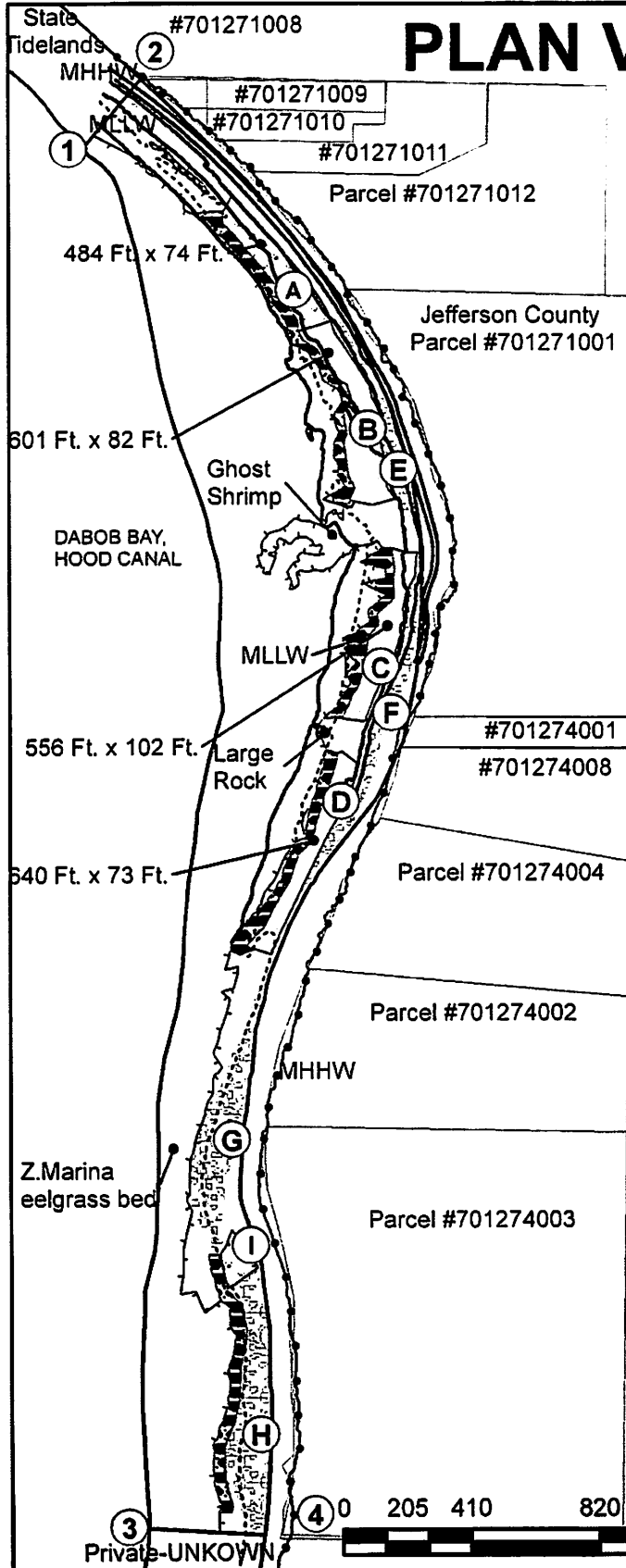
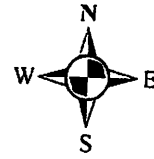
Dabob Lease Parcel Ownership

- Z. Marina Eelgrass Area
- Oyster bottom culture existing
- Dabob Lease Parcel
- Jefferson County Parcel Layer
- DNR Aquatic Parcel layer

Reference Number: DNR Lease #20-100212
Applicant Name: SKOKOMISH TRIBE
Proposed Project: Shellfish Enhancement
Location: Waterward of 6490-6760 Coyle Rd.
Quilcene, WA 98376
Date: September 8, 2020
Sheet 2 OF 4





PLAN VIEW



- ① N47.8074 W122.7912
- ② N47.8081 W122.7904
- ③ N47.7953 W122.7906
- ④ N47.7953 W122.7879

Proposed:

-  Z.Marina eelgrass buffer
- (B)- (D) 3.3 Acres Manila clam enhancement w/predator exclusion ground netting. Gravel enrichment of intertidal substrate for clam habitat <437 cubic yds/yr
-  (A) & (I) 1.3 Acre seed collection area, bottom anchored oyster bags
- (E)- (H) 6.4 Acres Pacific oyster bottom culture. Seed on cultch enhancement. (H) Olympia Oyster Restoration in lower tidal elevations.

Contours:

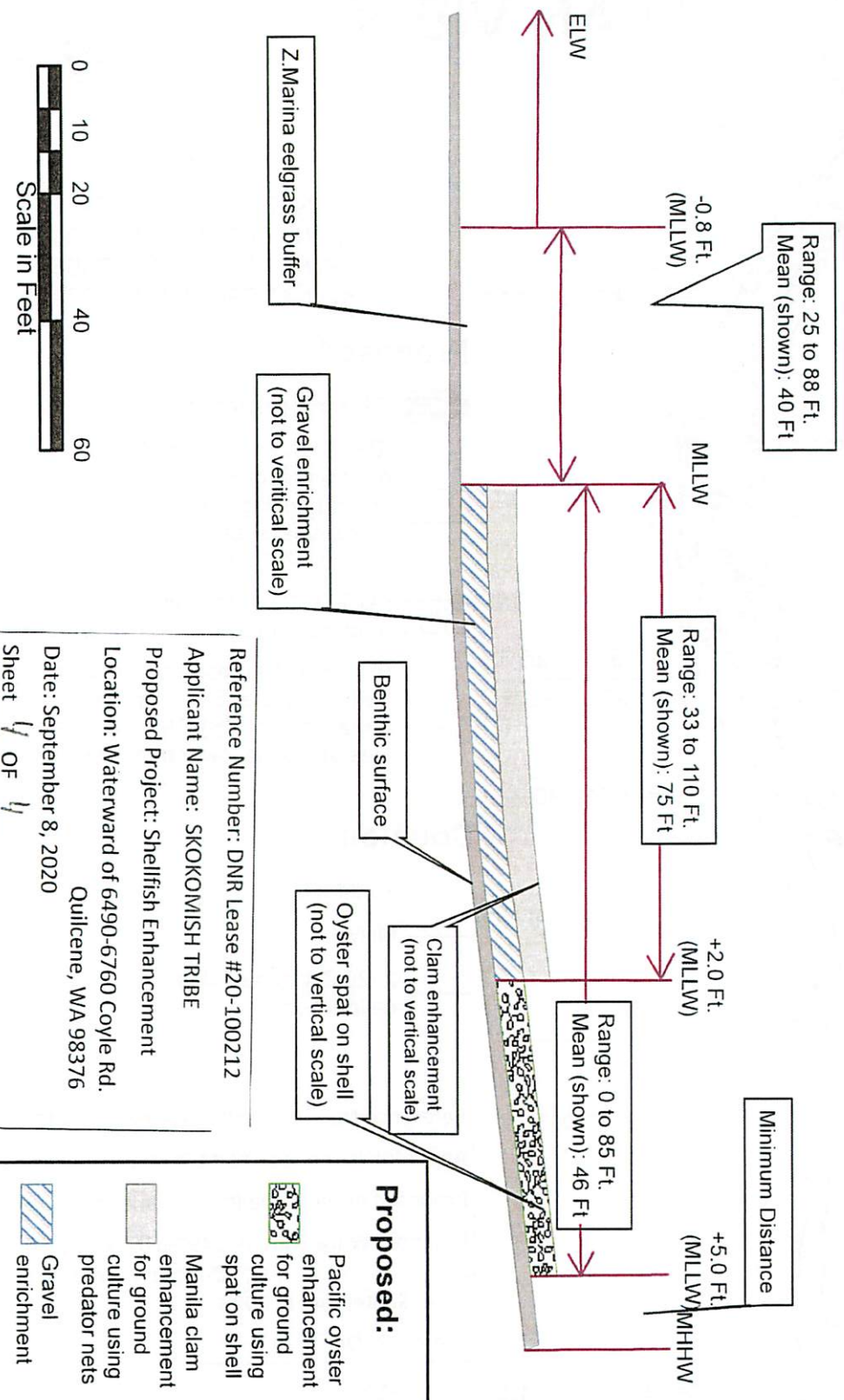
- +0.0 MLLW
- MHW
- 2020 Z.Marina/Z.Japonica mix delineation

Reference Number: DNR Lease #20-100212
 Applicant Name: SKOKOMISH TRIBE
 Proposed Project: Shellfish Enhancement
 Location: Waterward of 6490-6760 Coyle Rd.
 Quilcene, WA 98376
 Date: September 8, 2020
 Sheet 3 OF 4

0 205 410 820 1,230 Feet

SECTIONAL VIEW

Tidal Datum:
 MLLW = 0.0
 Mean Tide = -6.8 Ft.
 MHHW = +11.6 Ft.
 Tide Station: Pt. Whitney
 Based on Seattle, Elliot Bay, WA
 Station ID: 9445246



Reference Number: DNR Lease #20-100212
 Applicant Name: SKOKOMISH TRIBE
 Proposed Project: Shellfish Enhancement
 Location: Waterward of 6490-6760 Coyle Rd.
 Quilcene, WA 98376
 Date: September 8, 2020
 Sheet 4 OF 4

Proposed:

- Pacific oyster enhancement for ground culture using spat on shell
- Manila clam enhancement for ground culture using predator nets
- Gravel enrichment



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



AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: Skokomish Dabob Lease

Location Name (if applicable): Dabob Bay, Hood Canal _____

Attachment C:
Contact information for adjoining
property owners. [\[help\]](#)

Use this attachment only if you have more than four adjoining property owners.

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

1. Contact information for all adjoining property owners. [help]		
Name	Mailing Address	Tax Parcel # (if known)
Washington of Washington Department of Fish & Wildlife	Real Estate Services Division 600 Capitol Way North Olympia, WA 98501	701344018 (To South) Aquatic parcel ID 1958341
Washington Department of Natural Resources (Orca-Straits District)	919 N Township Street Sedro-Wooley, WA 98284	Aquatic parcel ID 1936517 (adjacent to North)
Patricelli R & L Trustee	9502 Peacock Hill Ave Gig Harbor, WA 98332	701221003 (1 parcel away To North)
Washington Department of Natural Resources (Orca-Straits District)	919 N Township Street Sedro-Wooley, WA 98284	N/A Marine Bedland (adjacent to North)
J A L ASSOCIATES MARK O ZENGER	PO BOX 473 REDMOND, WA 98073	701274003 & 701274002 (uplands), 701341002 (adjacent uplands to South)
Jan Marino Ramirez & Erika Ramirez	1217 Aaron Ave NE Bainbridge Island, WA 93110-3918	701274001, 701274004 & 701274008 (uplands)
Roger P & Susan M Bialous	2451 53 rd Ave SW Seattle, WA 98116-1805	701271001 (upland)
James E. Piper SUZANNE PIPER	PO Box 10 Silverdale, WA 98383-1361	701271012, 701271011, 701271010, & 701271009 (uplands)
David Lee Akers	402 3RD AVE S #B206	701271008 (uplands)

	Seattle, WA 98168	
DONNA M CHESHIER	6644 57 th Ave NE	701271007 (uplands)
	EDMONDS, WA 98020	
HEIDE LAMM LIVING TRUST	611 HIGH AVE	701271006 (uplands)
HEIDE M LAMM TRUSTEEM	BREMERTON, WA 98337	
MARK DAVID KNUDSEN	9996 NE EWING ST	701224003 (uplands)
SARAH CREWE FISKEN	BAINBRIDGE IS, WA 98110	
PETER KERR, PEN KERR	5207 38TH AVE NE	701224020 (uplands)
J/K/M/M/B BROCKHAUS	Seattle, WA 98105	

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: ENV-022-09 rev. 0/2015



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: **Skokomish Dabob Lease**

Location Name (if applicable): **Dabob Bay,
Hood Canal**

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
Oyster enhancement	7/16/2021 7/16/2022 7/16/2023 7/16/2024 7/16/2025 7/16/2026	10/14/2021 10/14/2022 10/14/2023 10/14/2024 10/14/2025 10/14/2026	Spread seed by boat (annually if funds allow, dates would extend to the end of the lease)
Clam bed preparation	7/16/2021 7/16/2022 7/16/2023 7/16/2024 7/16/2025 7/16/2026	10/14/2021 10/14/2022 10/14/2023 10/14/2024 10/14/2025 10/14/2026	Spread gravel to 1" depth over hard sand substrate (annually if funds allow, dates would extend to the end of the lease)
Clam seed enhancement	4/1/2023 4/1/2024 4/1/2025 4/1/2026 4/1/2027 4/1/2028	10/14/2023 10/14/2024 10/14/2025 10/14/2026 10/14/2027 10/14/2028	Spread manila clam seed by hand on incoming tide (annually if funds allow, dates would extend to the end of the lease)

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