



US Army Corps  
of Engineers  
Seattle District

# Public Notice of Application for Permit

US Army Corps of Engineers  
Regulatory Branch  
4735 E Marginal Way S, Bldg 1202  
Seattle, WA 98134-2388  
Telephone: (206) 764-5531  
ATTN: Kylie Webb,  
Project Manager

Public Notice Date: September 15, 2022  
Expiration Date: October 15, 2022

Reference No.: NWS-2021-996-AQ  
Name: Goodro Shellfish (Singa Shellfish  
Farm)

Interested parties are hereby notified that an application has been received for a Department of the Army permit in accordance with Section 10 of the Rivers and Harbors Act of 1899, for certain work described below and shown on the enclosed drawings dated September 12, 2022. The Corps will also review the work in accordance with Section 404 of the Clean Water Act (CWA).

APPLICANT: Mr. Joseph Schreiber  
Goodro Shellfish  
Post Office Box 12551  
Olympia, WA 98508  
Telephone: (360) 789-3401

AGENT: Ms. Stephanie Jones  
Pearl Environmental Consulting  
Post Office Box 223  
Quilcene, WA 98376  
Telephone: (360) 301-2061

LOCATION: The project site is located on tidelands within Hammersley Inlet on privately-owned and leased tideland parcels 22019-41-00000 and 22020-32-80490, adjacent to 280 East Pirates Creek Road, Shelton, Mason County, Washington.

Corner coordinates:

Corner	Latitude	Longitude
A	47.203561	-122.976688
B	47.205081	-122.969958
C	47.204875	-122.969890
D	47.203041	-122.976710

WORK: The proposed project is to establish a new shellfish mariculture operation cultivation of approximately 3.7 acres of Manila clams, Pacific oysters, and Geoduck clams between +5.0 feet and -4.0 feet mean lower low water (MLLW) tidal elevations on privately owned and leased tideland parcels (22019-41-00000 and 22020-32-80490). The Site would be accessed by boat and the work would include:

**Clam Cultivation / Harvest:** Juvenile clam seed would be dispersed by hand once every two years over approximately 1.85 acres between +5.0 feet and +1.0 feet MLLW (Note: approximately 0.5 acres would be co-cultivated with the Pacific oysters). To protect freshly seeded areas, clam nets would be installed measuring 50 feet by 15 feet and would be secured to the substrate using rebar stakes that would not protrude from the sediment surface. Clams would be harvested at low tide by hand. Harvested clams would be placed into mesh bags and would be removed from the site via boat. Additionally, naturally occurring Manila clams may also be harvested by hand.

**Oyster Cultivation / Harvest:** Oyster would be cultivated over approximately 1.85 acres between +1.0 feet and -4.0 feet MLLW using multiple cultivation methods. (Note: approximately 0.5 acres would be co-cultivated with the Manila clams). The cultivation methods may include:

Ground Cultivation: Juvenile seed would be dispersed onto the intertidal sediment and allowed to grow. The subsequent adults would be harvested by hand and placed in plastic mesh bags, which would be removed from the site by boat.

Pillow Bag Cultivation: Oyster seed would be placed into a black plastic mesh bag (approx. ¼ mesh) offsite. The seeded bags would then be transported by boat to the property and laid flat onto the beach. The bags would be secured by wires to ropes already laid on the beach. Ropes would be secured to metal fence posts installed on the beach. When the oysters are ready to be harvested, the bags would be untied from the rope, and the oysters would be unbagged onto the beach. Oysters would be hand counted and loaded onto the boat, along with the used mesh bags for removal from the site.

Rope and Bag Cultivation: Juvenile seed would be placed into black plastic mesh pillow bags and would be attached to rope by wire. The ropes would be attached to T posts approximately 1 1/2" wide by 5 ft long driven into sediment with 2 feet exposed and approximately 50 feet between posts. When the subsequent adults are ready for harvest, the bags would be untied from the rope by hand and oysters would be dumped onto the beach and are counted by hand. The product would then be bagged and loaded onto the boat, along with the used mesh bags for removal from the site.

Tumble Bag Cultivation: Juvenile seed would be placed into black plastic mesh pillow bags which would be attached to rope by wire. Each bag would have a small float attached. The rope would be attached to T posts approximately 1 1/2" wide by 5 ft long driven into sediment with 4 feet exposed and approximately 50 feet between posts. When the subsequent adults are ready for harvest, the bags would be untied from the rope by hand and oysters would be dumped onto the beach where they would be counted by hand. The product would then be bagged and loaded onto the boat, along with the used mesh bags for removal from the site.

**Geoduck Cultivation / Harvest:** Prior to seeding activities, 4-inch gray PVC pipe would be depressed by foot into the substrate across 0.5 acres between tidal elevations +1.0 ft. and -4.0 ft. (MLLW), approximately 1 pipe per square foot. The top of the PVC tube above the substrate would be covered with a black plastic mesh secured with a ultraviolet light resistant band. Seeding activities may occur using two different methods: Scenario 1—juvenile geoduck clams would be placed into the PVC pipes during high tide by divers, or Scenario 2—juvenile geoduck clams would be placed into the PVC pipes during low tide by hand. After juveniles are placed into the sediment, about 1 year later, the secured plastic mesh would be removed by hand. PVC pipes would be removed 1-2 years after seeding, and a sprinkler system may be utilized during warm summertime low tide events. Harvesting would occur 5 to 8 years after seeding. Harvest would occur either by hand at low tide or by diver during high tide. In both scenarios, a stinger (PVC pipe with holes) is attached to a hose and gas-powered pump to loosen the substrate around the clams for harvesting. Clams are then bagged and removed from the site by boat.

**Bed Preparation:** A mixture of washed pea gravel and setting substrate totaling 140 cubic yards would be used on the upper portion of the beach between +5 ft MLLW and +1 ft MLLW, as well as some soft areas between +1 ft MLLW and -4 ft MLLW. The gravel mixture would be placed by hand in sections of approximately 900 ft by 50 ft to a depth of 1-inch. Some sections may have additional gravel added, but no more than 1-inch per year would be placed.

**PURPOSE:** Provide shellfish for commercial sale and consumption.

**ADDITIONAL INFORMATION:** The applicant has requested 14 years of authorization to accommodate multiple cultivation cycles.

Copies of this public notice which have been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order of the date of issuance. Select and view the listing for this project.

**MITIGATION:** No compensatory mitigation has been proposed.

**ENDANGERED SPECIES:** The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat.

The Corps is assessing the potential impacts to listed species and critical habitat in the project area for consistency with the Programmatic Biological Opinions for Shellfish Activities in Washington State Inland Marine Waters (USFWS Reference Number 01EWF00-2016-F-0121, and NMFS Reference Number WCR-2014-1502).

**ESSENTIAL FISH HABITAT:** The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

The Corps is assessing the potential impacts to listed species and critical habitat in the project area for consistency with the Programmatic Biological Opinions for Shellfish Activities in Washington State Inland Marine Waters (USFWS Reference Number 01EWF00-2016-F-0121, and NMFS Reference Number WCR-2014-1502).

**CULTURAL RESOURCES:** The Corps has reviewed the latest published version of the National Register of Historic Places, Washington Information System for Architectural and Archaeological Records Data and other sources of information. The Corps invites responses to this public notice from Native American Nations or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps will evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Nations in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

**PUBLIC HEARING:** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

**EVALUATION:** The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. The Washington Department of Ecology has or will evaluate the proposed project in accordance with Section 401 of the Clean Water Act and for consistency with the Coastal Zone Management Act.

The U.S. Army Corps of Engineers is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

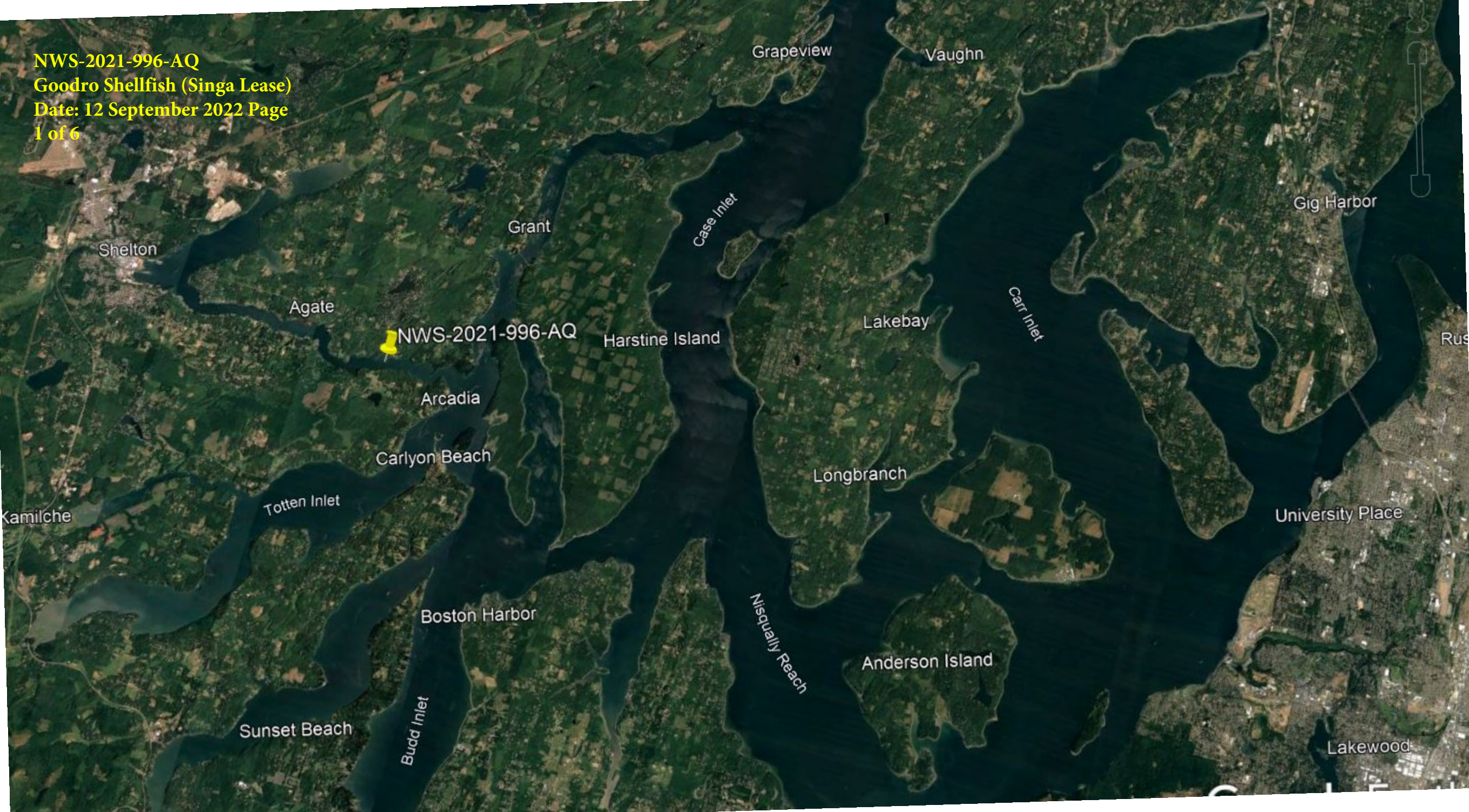
**COMMENT AND REVIEW PERIOD:** Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether authorizing the work would not be contrary to the public interest. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. All e-mail comments should be sent to [Kylie.M.Webb@usace.army.mil](mailto:Kylie.M.Webb@usace.army.mil). Conventional mail comments should be sent U.S. Army Corps of Engineers, Regulatory Branch, 4735 E Marginal Way S, Bldg 1202, Seattle, Washington, 98134-2388. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commenter's name, address, and phone number. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration. Please include the following name and reference number:

Goodro Shellfish (Singa Shellfish Farm), NWS-2021-996-AQ

Encl: Figures (6)



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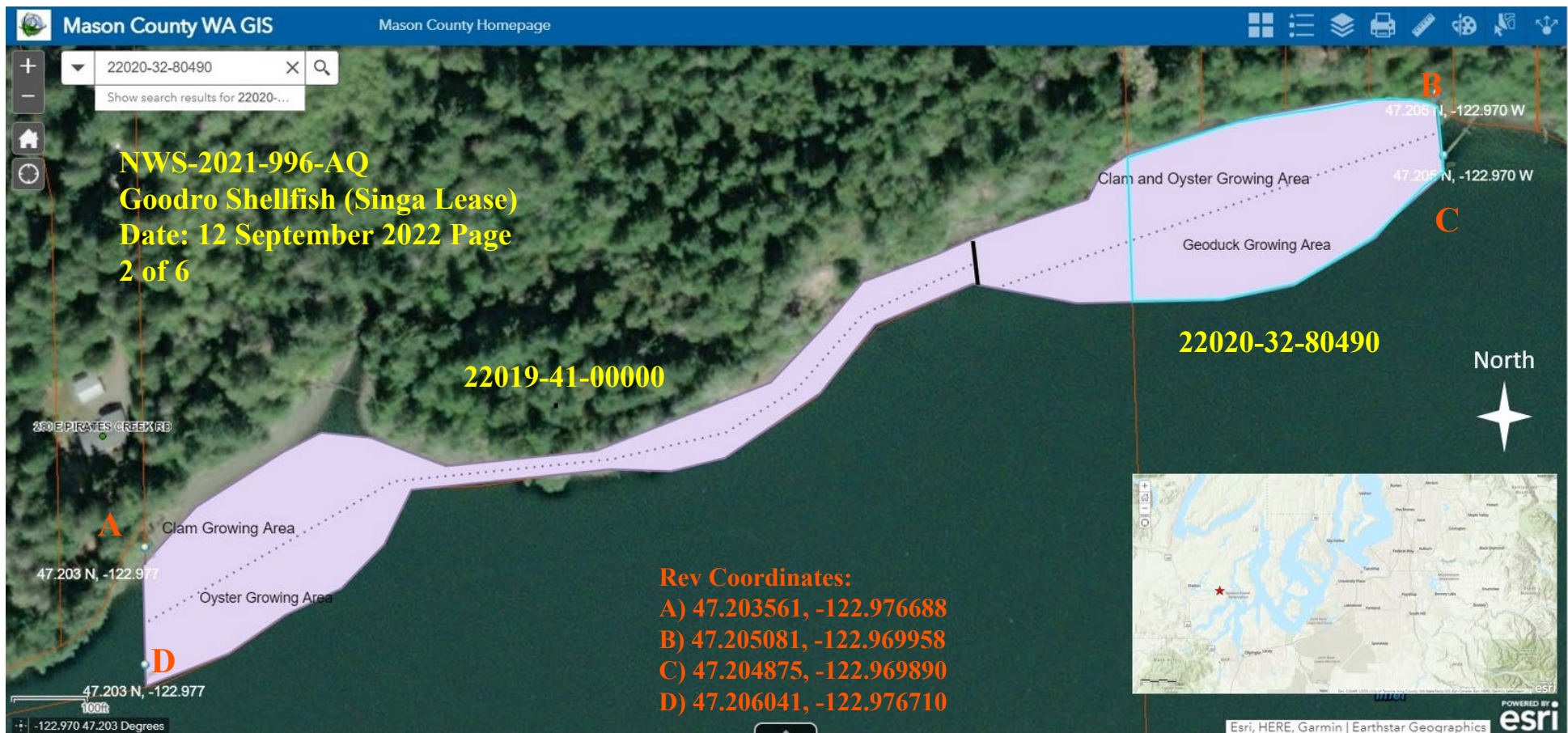
**Figure 3.** Project schematic. **\*\*Not Drawn to Scale\*\***

*Company Name:* Goodro Shellfish Co.

*Parcel Numbers:* 22019-41-00000, 22020-32-80490

*Project Name:* Goodro Shellfish Merriman Shellfish Farm

*Section: 20 Township: 20N Range: 2W In: Hammersley Inlet Near/At: Shelton County: Mason County State: WA*







**B**  
47.205081°N, 122.969958°W

Clam and Oyster Farming area, +1 to +5 MLLW, 0.5 Acres

**C**

47.204875°N, 122.969890°W

Clam Farming Area, +1 to +5 MLLW, 0.2 Acres

Seduck Farming Area, -4 to +1 MLLW, 0.5 Acres

Oyster Farming area, -2 to +1 MLLW, 0.2 Acres

Clam Farming Area, +1 to +5 MLLW, 1.15 Acres

**A**

47.203561°N, 122.976688°W

Oyster Farming Area, -4 to +1 MLLW, 1.15 Acres

**D**

47.203041°N, 122.976710°W

Save and open

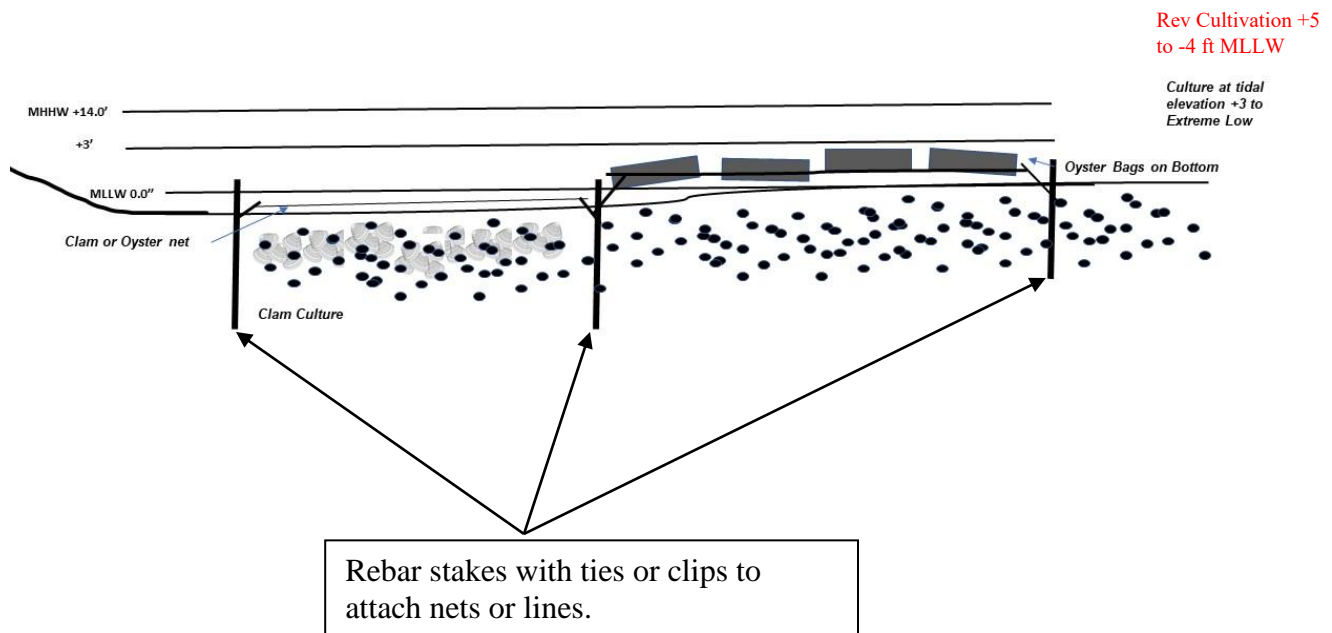
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## Typical Cross Section

Clam netted / non-netted

Oyster on bottom / bag on bottom



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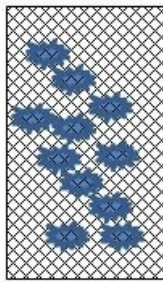
**Figure 1. Pillow Bag Oyster Cultivation Schematic. \*\*Not Drawn to Scale\*\***

*Company Name:* Goodro Shellfish Co.

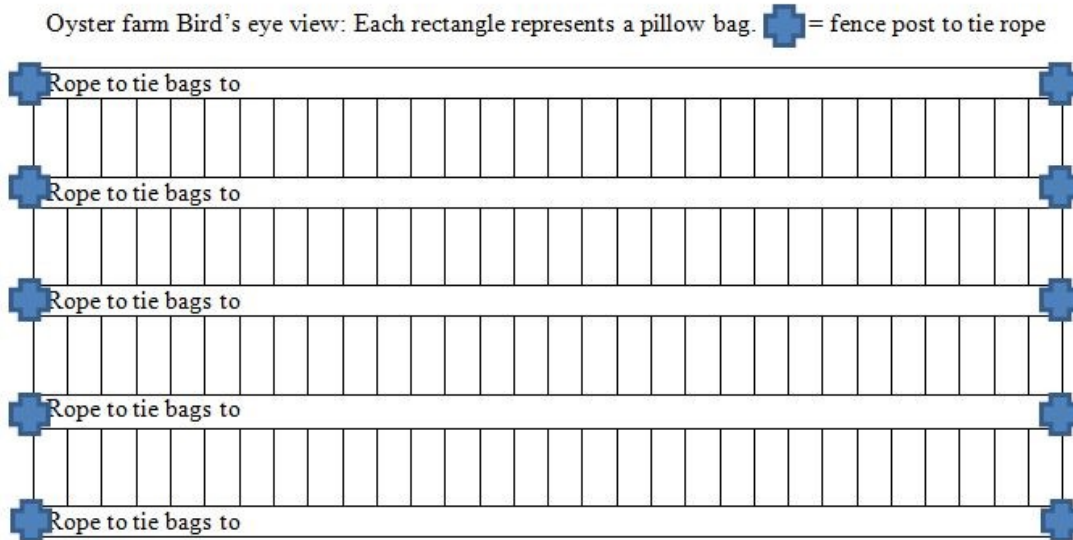
*Parcel Numbers:* 22019-41-00000, 22020-32-80490

*Project Name:* Goodro Shellfish Singa Shellfish Farm

*Section:* 20 *Township:* 20N *Range:* 2W



Plastic mesh pillow bag as seen from above.

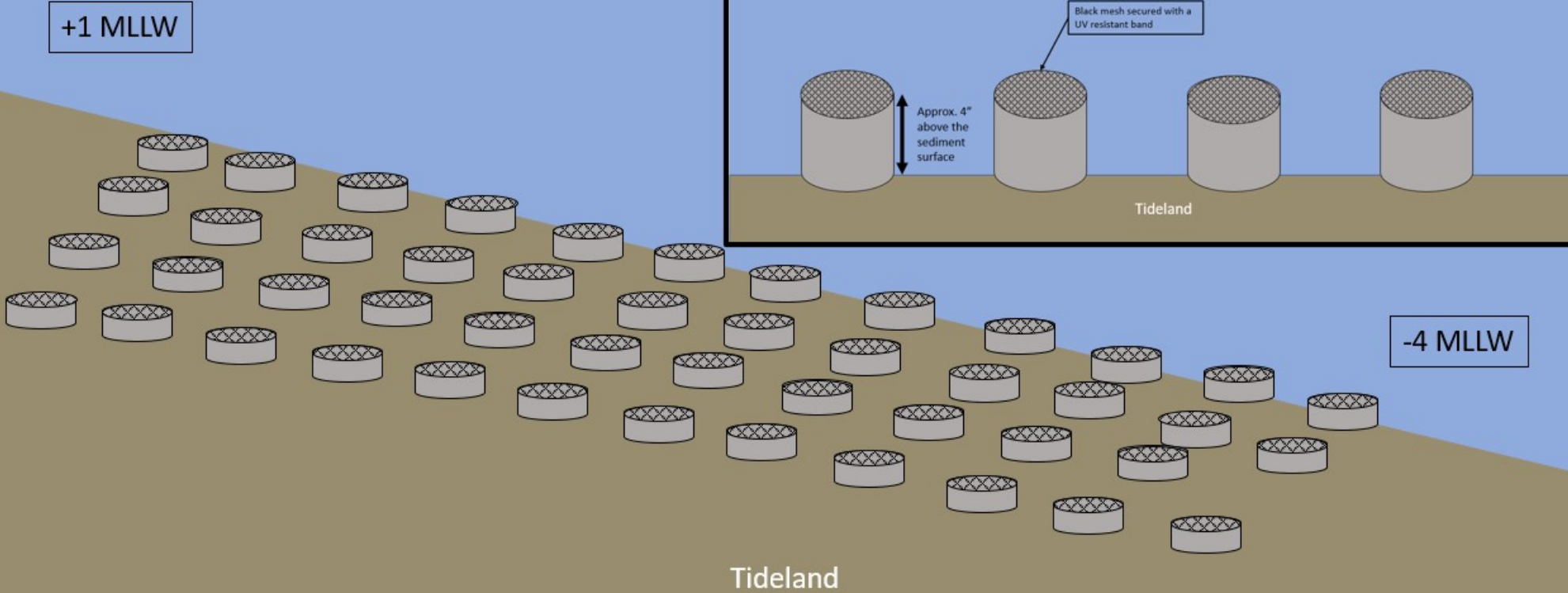


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\*not drawn to scale