



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000

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March 29, 2022

Goodro Shellfish
Attn: Joseph Schrieber
PO Box 12551
Olympia, WA 98508

Re: Coastal Zone Consistency for Corps Reference No. **202100996**,
Goodro Shellfish Singa Property, Mason County, Washington

Dear Joseph Schrieber:

On March 25, 2022, the Department of Ecology received a Certification of Consistency with the Washington State Coastal Zone Management Program (CZMP) for the above project.

This determination is to commercially cultivate up to 3.7 acres of Pacific oysters (*Crassostrea gigas*), Manila clams (*Venerupis philippinarium*), and geoduck clams (*Panopea abrupta*) between +7.0 ft. and -4.0 ft. Mean Lower Low Water (MLLW). Access to tidelands is by boat.

Below is the cultivation and harvesting methods for this site location:

Manila Clams:

Juvenile seed will be dispersed onto the intertidal sediment once every couple of years and allowed to grow under clam nets. The clam harvest and seeding area is approximately 50 ft. in width and 900 ft. in length. Within this area, clam nets will be used to protect freshly seeded areas. The clam nets are 50 ft. by 15 ft. and will be placed in two rows with a total width of 30 ft. where seed are planted. The nets will be secured along the perimeter with rebar hooks that do not protrude the sediment surface. The subsequent adults will be harvested by hand and placed in plastic mesh bags, which are carried by hand to the boat for removal to Goodro Shellfish upland shop in Shelton. Naturally occurring clams will be harvested using clam forks and placed in plastic mesh bags so they can be carried by hand to the boat for removal to Goodro Shellfish upland shop in Shelton.

Pacific Oysters (Ground Culture Method):

Juvenile seed will be dispersed onto the intertidal sediment and allowed to grow. The subsequent adults will be harvested by hand and placed in plastic mesh bags, which are then carried by hand to the boat for removal to the applicant's upland shop in Shelton.

Pacific Oysters (Pillow Bag Culture Method):

Oyster seed are placed into a black plastic mesh bag (approx. ¼ inch mesh) offsite. The seeded bags are then transported by boat to the property and are laid flat onto the beach. The bags are then secured by wires to ropes already laid on the beach. Ropes are secured to metal fence posts already on beach. When the oysters are ready to be harvested, the bags are untied from the rope, and oysters are unbagged onto the beach. Oysters are hand counted and loaded onto the boat, along with the used mesh bags. The boat then transports materials to Goodro Shellfish upland shop in Shelton.

Pacific Oysters (Rope Oyster Bag Culture Method):

Juvenile seed are placed into black plastic mesh pillow bags and are attached to rope by wire. This rope is attached to T posts approximately 1 1/2" wide by 5 ft. long driven into sediment with 2 ft. exposed and approximately 50 ft. between posts. When the subsequent adults are ready for harvest, the bags are untied from the rope by hand and oysters are dumped onto the beach and are counted by hand. Product is then bagged and loaded onto the boat, along with the used mesh bags, to Goodro Shellfish upland shop in Shelton.

Pacific Oysters (Tumble Rope Oyster Bag Culture Method):

Juvenile seed are placed into black plastic mesh pillow bags and are attached to rope by wire and have a small float attached to the bag. This rope is attached to T posts approximately 1 1/2" wide by 5 ft. long driven into sediment with 4 ft. exposed and approximately 50 ft. between posts. When the subsequent adults are ready for harvest, the bags are untied from the rope by hand and oysters are dumped onto the beach and are counted by hand. Product is then bagged and loaded onto the boat, along with the used mesh bags, to the applicant's upland shop in Shelton.

Geoduck Clams:

Prior to seeding activities, 4" gray PCV pipe will be depressed into the substrate by foot, approximately 1 pipe per square foot. The end above the substrate is covered with a black plastic mesh secured with a UV resistant band. Seeding activities occur either one of two ways: Scenario 1 juvenile geoduck clams are placed into the PVC pipes during high tide by divers, or Scenario 2 juvenile geoduck clams are 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 is removed by hand. PVC pipes are removed approximately 1-2 years after seeding, and a sprinkler system is utilized during warm summertime low tide events. Harvesting occurs between 5-8 years after seeding, where they are either

harvested at low tide by hand or by diver at 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 clam for harvesting. Clams are then bagged and removed by boat to Goodro Shellfish upland shop in Shelton.

Gravelling is also proposed at this location. Washed pea gravel will be added to enhance setting substrate on the upper parts of the beach between +5.0 ft. to +1.0 ft. as well as to some soft areas on the beach to improve oyster ground between +1.0 ft. to -4.0 ft. This will be done in sections approximately 900 ft. by 50 ft. at a gravel depth of one inch, which totals to approximately 140 cubic yards of gravel. The area may have gravel added piecemeal over the course of a few years. Small sections may have gravel added more than once, but not more than 1 inch per year.

This project is located on tidelands within Hammersley Inlet, on parcel numbers 22019-41-00000 and 22020-32-80490, adjacent to 160 East Spray Lane and 280 East Pirates Creek Road, near Shelton, Mason County Washington.

Pursuant to Section 307(c)(3) of the Coastal Zone Management Act of 1972 as amended, Ecology concurs with Goodro Shellfish's determination that the proposed work is consistent with Washington's CZMP.

If you have any questions regarding Ecology's consistency determination, please contact Jennifer Riedmayer at jennifer.riedmayer@ecy.wa.gov.

YOUR RIGHT TO APPEAL

You have a right to appeal this decision to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this decision. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do all of the following within 30 days of the date of receipt of this decision:

- File your appeal and a copy of this decision with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this decision on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Address and location information

Filing an appeal with the PCHB:

Mailing Address:

Pollution Control Hearings Board
PO Box 40903
Olympia, WA 98504-0903

Street Address:

Pollution Control Hearings Board
1111 Israel RD SW
STE 301
Tumwater, WA 98501

Serving a copy of the appeal on Ecology:


Mailing Address:

Department of Ecology
Attn: Appeals Processing Desk
PO Box 47608
Olympia, WA 98504-7608

Street Address:

Department of Ecology
Attn: Appeals Processing Desk
300 Desmond Drive SE
Lacey, WA 98503

Sincerely,



Brenden McFarland, Section Manager
Environmental Review and Transportation Section
Shorelands and Environmental Assistance Program

E-cc: Aquaculture-Reinforcement-Team@usace.army.mil
Brody Gardner, U.S. Army Corps of Engineers
Casey Ehorn, Corps of Engineers
Stephanie Jones, Pearl Environmental Consulting
Jennifer Riedmayer, Ecology
Loreé Randall, Ecology
ecyrefedpermits@ecy.wa.gov