



JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF MARINE RESOURCES
21 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0021

PATRICK C. KELIHER
COMMISSIONER

AQUACULTURE LEASE RENEWAL APPLICATION

For renewing a Scientific Experimental Lease

Please send this completed application and a certified tax map and updated list of riparian owners to the DMR Aquaculture Division at the above address. Please contact the Aquaculture Division at (207) 624-6567 or DMRaquaculture@maine.gov with any questions.

1. Name of leaseholder: Hurricane Island Foundation (Contact: Madison Maier)
 Address: 19 Commercial Street, Rockland, Maine 04841
 E-mail Address: mmaier@hurricaneisland.net Telephone: (207) 867-6050
2. Provide the acronym of the scientific lease you request to be renewed:
PEN HIX
3. Describe the type and amount of aquaculture to be conducted during the new term:

Scallops: The same amount of scallop aquaculture will be conducted during the new term. Spat bags will continue to be deployed in the Fall and retrieved in the Spring according to spat license collection regulations. Scallops will continue to be hand harvested.

Kelp: The seeding, cultivation, and harvesting that happened during the previous lease term will continue. All kelp lines will continue to be seeded in September or October and harvested between May and October.

Oysters: Oysters will continue to be grown in floating bags and overwintered on longlines or in bottom cages. Seed will be purchased annually through appropriate sources and received between June-August with harvesting occurring as needed based on the experiment's design.

Mussels: Mussels will be grown on ropes with socks hung off the underside of the float. Seed will be collected from wild populations on fuzzy ropes during the spring-summer spawning season. If poor settlement continues, we will consider acquiring seed from a hatchery. All mussels will be hand harvested.

OFFICES AT 32 BLOSSOM LANE, MARQUARDT BUILDING, AUGUSTA, MAINE
<http://www.Maine.gov/dmr>

4. Describe the amount of aquaculture conducted on the lease site during the previous lease term, including but not limited to seeding, cultivation or harvest of organisms:

Scallops: Scallops were distributed between bottom cages, lantern nets, and ear-hanging with approximately 4,000-6,000 individuals on the farm at any time. Spat bags were deployed in September around Hurricane Island and the Muscle Ridge closure area and retrieved in April/May and sorted over the course of the summer with students and seasonal research staff. Approximately 20,000 spat were caught over this lease period and all were retained. Approximately 2,500 adult individuals were hand harvested during this lease term. The majority of the scallops were harvested for GSIs (gonadosomatic index) as a part of a monitoring study of their reproductive timing and magnitude.

Kelp: Kelp was grown on our longlines. We have used pre-seeded as well as seeded our own lines, sometimes with students in their classrooms. The line was set and seeded in September-October. Students and staff return to harvest and sample the kelp from May-August. There was no kelp line set in the Fall of 2020 due to COVID complications. All kelp is hand harvested.

Oysters: Oysters were grown in floating bags starting in 2019. Due to COVID-19 staffing complications in 2020 there was high mortality amongst the 2019 seed and no new seed was acquired. Due to seed shortages in 2021, we were unable to acquire new seed, but did receive juvenile oysters from Ice House Oysters in Port Clyde. Approximately 30 oysters were hand harvested in 2021 as a part of a growth study.

Mussels: Due to COVID complications, no mussels were grown on during the previous lease term. While collector ropes were set out in 2021, there was low settlement.

- Certified tax map *and* updated list of riparian landowners enclosed
- \$100.00 application fee enclosed

10/24/2022

Date



Signature of Leaseholder

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- **RIPARIAN OWNERS LIST** -

*THIS LIST MUST BE **CERTIFIED** BY THE TOWN CLERK*

On this list, please include the map number, lot number, and the current owners' names and mailing addresses for all shorefront parcels within 1,000 feet of the lease site. It is the applicant's responsibility to assemble the information for the Town Clerk to certify. The Town Clerk only certifies that the information is correct according to the Town's records. Once you have completed the form, ask the Town Clerk to complete the certification section below. If riparian parcels are located within more than one municipality, provide a separate, tax map and certified riparian list for each municipality.

TOWN OF: Vinalhaven

MAP #	LOT #	Landowner name(s) and address(es)
002	007	HURRICANE ISLAND TRUST JAMES GASTON c/ FRANCIS GASTON + J. STRATER
—	—	PO BOX 306 LENOX HILL STATION
—	—	NEW YORK, NY 10021

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Darlene M. Cardage Town Clerk for the Town of Vinalhaven, certify that the names and addresses of the property owners listed above, as well as the map and lot numbers, are those listed in the records of this municipality and are current as of this date.

SIGNED: Darlene M. Cardage DATE: 3/23/2022

Tax Map: Town of Vinalhaven

