



APPLICATION FOR LEASE RENEWAL



Lease Acronym	CAS BA2
Name of Leaseholder	Wild Ocean Aquaculture, LLC
Name of Contact Person	Matthew Moretti
Address	72 Commercial St. #15
City	Portland
State, Zip	Maine, 04101
Telephone	207-458-6288
Email	matt@bangsisland.com
Term Requested	20 years

1. Describe the type and amount of aquaculture to be conducted during the new lease term:

Continuing suspended raft and long line aquaculture of *Mytilus edulis* (blue mussels), *Laminaria saccharina* (sugar kelp), *Laminaria digitata* (fingered/horsetail kelp), *Alaria esculenta* (winged kelp), *Palmaria palmata* (dulse), *Porphyra* (norilaver), *Ulva lactuca* (sea lettuce), *Crassostrea virginica* (oyster eastern/American), *Ostrea edulis* (Oyster European flat), *Placopecten magellanicus* (Scallop sea), and *Mya arenaria* (clam softshell/steamer). Up to 15,000 lbs of algae species could be cultivated in a growing cycle (~6 months a year) using two 800' horizontal long lines suspended 7 ft below the surface. Up to 300,000 lbs of mussels could be cultivated in a growing cycle (~1.5-2.5 years) using six floating (traditional "Kamas" style) mussel rafts. The mussels will be grown on ropes hanging from the floating rafts. No changes will be made to the infrastructure or farming methods on this site. To

2. 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:

Full-time wild seed capture, re-seeding, cultivation and harvesting of native blue mussels has occurred on this site and continues to this day. Seed capture happens seasonally on our floating rafts. Each raft has the capacity to hold 468 vertical seed capture lines. All six of the rafts, some of the rafts, or none of the rafts could be engaged in wild seed capture at any particular time on the lease site depending on the needs of the farm and the growing cycle. At maximum capacity, we could capture enough mussel seed to fully sock 18 mussel rafts, although we typically target much less. Re-seeding of mussel seed happens year round, as needed. Cultivation, if defined as growing out the mussels, happens continuously on the lease until the mussel reach market size. Harvesting of mussels happens year-round, depending on the inventory levels and needs of the farm, but will not happen more than 5 days a week on a regular basis. Maximum production is theoretically about 300,000 lbs per growing cycle, we do not typically fully seed all 6 rafts so that we can achieve year round, continuous mussel production.

Part-time cultivation and harvesting of kelp varieties has occurred throughout the life of the lease on submerged, suspended horizontal long lines. Algae species cultivation typically happens during the winter months, with seeding happening in the fall, grow-out happening during the winter, and harvest during the spring, typically before June. It remains a goal to farm algae throughout the entire year, when practical. Maximum capacity of algae in a growing cycle is around 15,000 wet pounds, but we have typically maxed out at less than 7,000 wet pounds. All activities conducted from raft and/or long-line submerged culture.

3. Suspended culture gear can attract birds that roost on the gear and defecate, potentially creating a pollution source impacting shellfish held within gear. In order to comply with the National Shellfish Sanitation Program (NSSP) Model Ordinance (MO), if the lease site is permitted for the culture of shellfish in suspended gear, please include a description of mitigation or deterrent measures to minimize the potential pollution impacts of birds at the lease site. If appropriate, include Sketches or photos that clearly depict those measures put into practice.

Examples may include:

- Suspended gear submerged at depth sufficient to deter roosting for at least two weeks before harvest
- Attaching physical deterrents (i.e. zip ties) to gear
- The lease site is used to culture shellfish seed only
- Only adductor-only shellfish are cultured on the lease site

The kelp long lines are submerged 7 feet below the surface with minimal surface flotation (a small buoy every 100') and not vulnerable to bird pollution.

The mussel growing lines are hung vertically below the rafts and are always submerged and extend to a depth of 35ft below the surface, minimizing the potential impact of bird waste. However, if bird roosting becomes a problem, we will deploy deterrent devices, seasonally, to deter the birds. Examples of these devices could include: owl decoys, spinners, self-deploying kites, and/or uncomfortable spikes around the edges of the rafts. To date, we have never had an issue with any bird populations lingering on the rafts.

3. Tax Maps and Riparian List

Is your existing lease within 1,000ft of shorefront land (which extends to mean low water or 1,650 ft. from shore, whichever is less, according to NOAA charts)?

Yes

If yes, the following supporting documents are required:

A. Tax Map.

A labeled copy of the appropriate tax map(s) depicting the location of the proposed lease site.

The map(s) needs to include the following elements:

- Label the map "Tax Map: Town of (name of town)."
- Legible scale
- Tax lot numbers clearly displayed
- The boundaries of the existing lease

B. Riparian List.

Please use the Riparian Landowner List (included on the next page) to list the name and address of every shorefront landowner within 1,000 feet of your existing lease. Have the tax collector or clerk of the municipality certify the riparian list. Refer to the Riparian Determination guidance document to ensure all riparian landowners are included: <https://www.maine.gov/dmr/aquaculture/forms/documents/RiparianDetermination.pdf>

C. Check for \$1500 application fee

Signature of Leaseholder:  Date: 6/26/23

MAINE AQUACULTURE
REGISTRATION
DIVISION
1000 WATER STREET
PORTLAND, ME 04101

RIPARIAN LANDOWNER LIST

THIS LIST MUST BE CERTIFIED

On this list, please show the current landowners' names and mailing addresses as listed in the municipal tax records for all riparian shorefront parcels within 1,000 feet of the existing lease site along with the map and lot number for each parcel. **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 the parcels are within more than one municipality, provide a separate, certified riparian list for each municipality.

TOWN OF:

MAP #	LOT #	Landowner name(s) and address(es)
11	2	State of Maine, Property Tax Division Bureau of Taxation Station, 24 Augusta, ME 04033

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

Christine Auffant, Town Clerk for the Town of Chebeque Island 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: ChA Auffant DATE: 8/16/23

CHRISTINE A. AUFFANT
NOTARY PUBLIC
State of Maine
My Commission Expires
September 25, 2024

4292

Bangor
SAVINGS BANK
BANGOR, MAINE 04401
52-7438/2112

Wild Ocean Aquaculture
Bangs Island Mussels
72 Commercial St, Box 15
Portland, ME 04101

PAY TO THE ORDER OF Wild Ocean Aquaculture

one thousand five hundred dollars 00/100

\$ 1,500.00

DOLLARS

6/26/23



[Signature]
AUTHORIZED SIGNATURE

MEMO

CASBA2 lease renewal

⑈004292⑈ ⑆211274382⑆ 4020178119⑈

Please retain this copy for your records.

Wild Ocean Aquaculture, LLC

Maine DMR

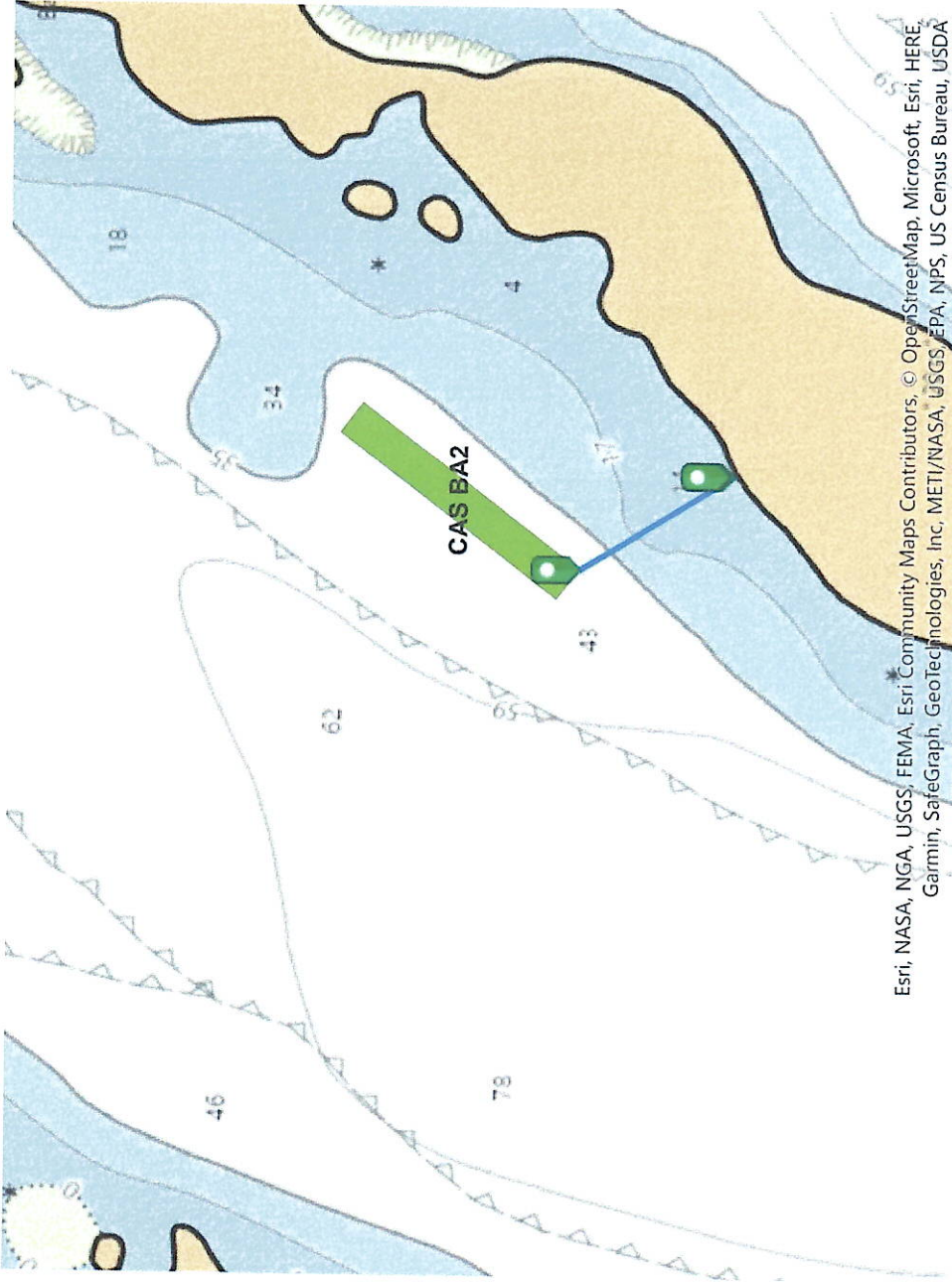
CASBA2 lease renewal

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6/26/23

\$ 1,500.00

Security features. Details on back.



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