

## EXPERIMENTAL LEASE APPLICATION

### 1. APPLICANT CONTACT INFORMATION

Applicant	Greenhead Lobster, LLC
Contact Person	Hugh Reynolds
Address	38 Ocean St
City	Stonington
State, Zip	ME. 04681
County	Hancock
Telephone	207-632-0125
Email	<a href="mailto:Hugh@greenheadlobster.com">Hugh@greenheadlobster.com</a> <a href="mailto:JMitchell@steamboatroad.com">JMitchell@steamboatroad.com</a>
Payment Type	<input type="checkbox"/> Check (included) <input checked="" type="checkbox"/> Credit Card

*Note: The email address you list here will be the primary means by which we will contact you. Please provide an email address checked regularly. If you do not use email, please leave this blank.*

### 2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Stonington
Waterbody	Between East Penobscot Bay and Jericho Bay
General Description (e.g. south of B Island)	West of Bold Island and Northeast of Camp and Coot Islands
Lease Information	
Total acreage (4-acre maximum) and lease term (3-year maximum) requested	4 acres 3 years
Type of culture (check all that apply)	<input type="checkbox"/> Bottom (no gear) <input checked="" type="checkbox"/> Suspended (gear in the water and/or on the bottom) <input type="checkbox"/> Net Pen (finfish)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Note:** If you selected yes, you need to complete the steps outlined in the section titled: "17. Landowner/Municipal Permission Requirements".

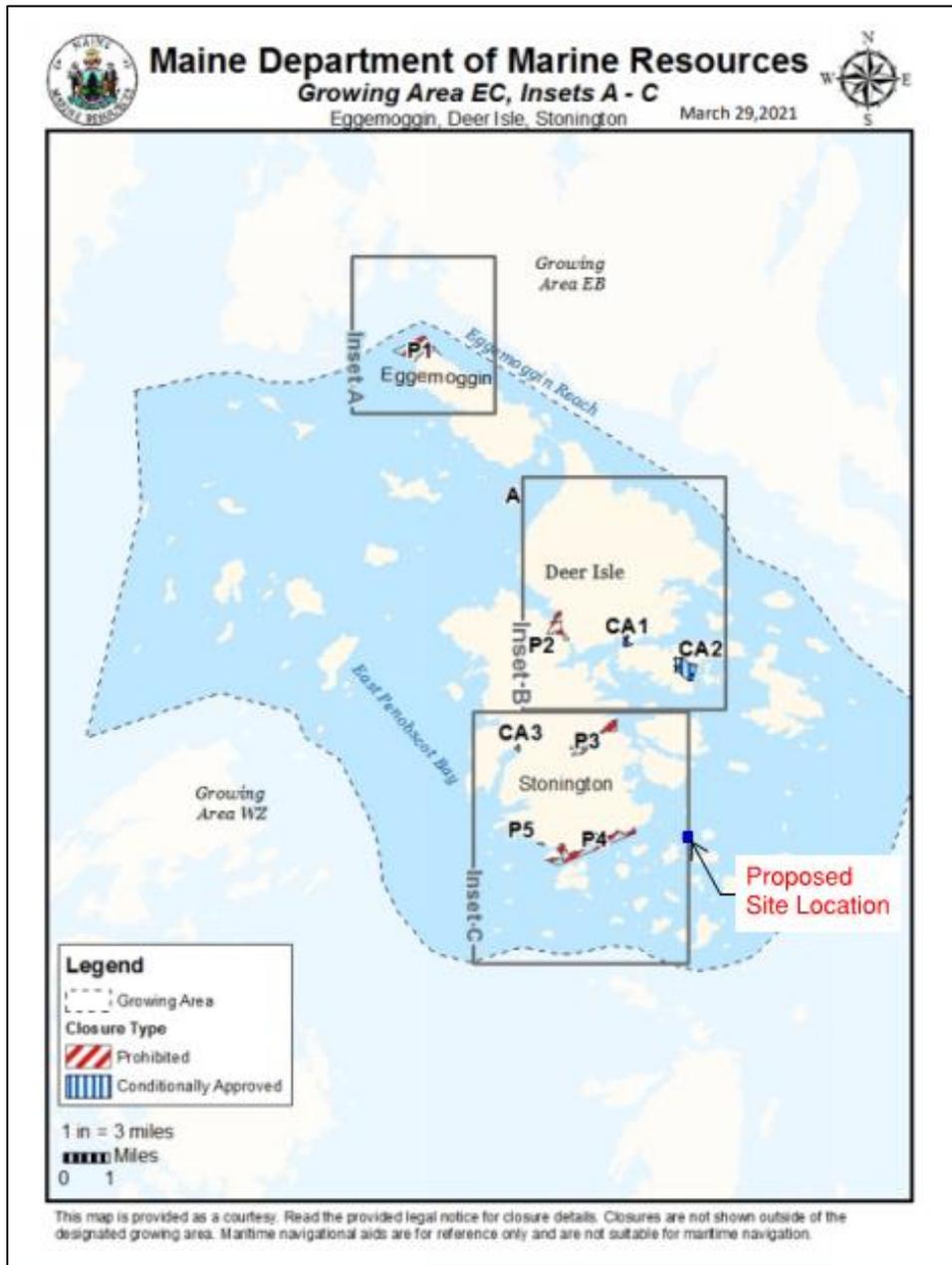
### 3. GROWING AREA DESIGNATION

Directions: Information for growing area designations can be found here:

<https://www.maine.gov/dmr/shellfish-sanitation-management/closures/index.html>

Growing Area Designation (e.g. "WL"):	EC
Growing Area Section (e.g. "A1"):	A1

**Note:** If you are proposing to grow molluscan shellfish in waters classified as anything other than open/approved, you will need to contact the Bureau of Public Health to discuss you plans at the following email: [DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)



**4. GENERAL LEASE INFORMATION**

A. Please complete the table below and add additional rows as needed.

<b>Name of species to be cultivated</b> <i>(include both common and scientific names):</i>	<b>Name and address of the source of seed stock or juveniles</b>	<b>Maximum number (or biomass) of organisms you anticipate on the site at any given time</b>
1. American/ Eastern Oyster <i>(Crassostrea virginica)</i>	Downeast Institute Beals, ME. 207-497-5769 Cold Tolerant Oyster Strain	1 million Oysters
2. Blue Mussel <i>(Mytilus edulis)</i>	Wild spat collection  Or DownEast Institute Beals, ME. 207-497-5769	26 million mussels. 450 Tons of mussels
3. Sugar Kelp <i>(Saccharina latissima)</i>	Atlantic Sea Farms 20 Pomerleau St, Biddeford, ME 04005  OR, Wild Set	35 Tons
4. Sea Scallop <i>(Placopecten magellanicus)</i>	Wild spat collection	4 million Scallops
5.		

**SEE DETAIL ON NEXT PAGE**

SPECIES DIRECTORY

## Eastern Oyster

- Overview
- Oyster Management and Restoration
- Aquaculture
- Resources

**Eastern Oyster**  
*Crassostrea virginica*



**Also Known As**  
American oyster, Atlantic oyster, American cupped oyster, Virginia oyster

**Quick Facts**

**LENGTH** Average 3-5 inches in length, can grow up to 8 inches  
Up to 20 years

**LIFESPAN** Up to 20 years

**THREATS** Habitat loss, overharvesting, disease, degraded water quality, changing conditions due to climate change

**REGION** New England/Mid-Atlantic, Southeast

**About the Species**

The Eastern oyster is treasured as food by humans and other species. They are **important** for fish, crabs, and other critters—and because as filter feeders, they help filter the water. Centuries ago, they were plentiful. In some places, reefs were so big that ships had to navigate around them. Since then, in many areas, the populations have dwindled to just a few percent of what they once were. This is due to disease, overharvesting, habitat loss, and poor water quality.

But people—including NOAA scientists—are working hard to rebuild oyster populations. Many people are growing oysters for people to eat. Oyster aquaculture—farming of these tasty shellfish—is a growing industry. And NOAA and our partners are working to restore the healthy oyster reefs that so many other species rely on for habitat. Recreational anglers target healthy reefs for fishing opportunities, too. In the Chesapeake Bay, for example, NOAA and partners are involved in the [world's largest oyster restoration effort](#). There, they have restored nearly 1,100 acres of oyster reef.

**Appearance**

- Reaches 8 inches at maturity.
- The shell has smooth edges and is oval in shape. The inside of the shell is white to offwhite to brownish in color.
- The shell has a "cupped" shape to it, giving rise to its alternate name "American cupped oyster."

**Biology**

- Are of the shellfish family. Like mussels, clams and scallops they are bivalve mollusks, and have a hinged shell.
- Adults are sessile—they stay in one place—and inhabit both intertidal and subtidal areas.
- Have fast growth rates and high reproduction rates.
- First mature as males, then later develop female reproductive capabilities.
- Each female can produce over 100 million eggs during a spawning event.



SPECIES DIRECTORY

## Sugar Kelp

- Overview
- Resources

**Sugar Kelp**  
*Saccharina latissima*



**Also Known As**  
Sea belt, Devil's ear

**Quick Facts**

**REGION** New England/Mid-Atlantic

**FISHWATCH**  
U.S. SEAFOOD FACTS

**About the Species**

Sugar kelp is a yellowish-brown marine algae widely cultivated and eaten in Asia and growing in popularity in the United States as a nutritious food high in fiber, vitamins, and minerals. Sugar kelp has long been known as a sweetener and having thickening and gelling qualities that can be added to food and cosmetics. Sugar kelp is being grown and harvested by more commercial farms for a variety of uses, from food to potential biofuels.



<p><b>Environmental Impact</b></p> <p>Sugar kelp provides net environmental benefits by removing excess nutrients and carbon dioxide and releasing oxygen to mitigate against ocean acidification.</p>	<p><b>Feeds</b></p> <p>Growing sugar kelp requires no feed—sugar kelp produce their own food through photosynthesis, using sunlight, carbon dioxide and water.</p>
<p><b>Farming Methods</b></p> <p>Sugar kelp lines are seeded in a land-based nursery and then placed in tanks or marine waters for grow out.</p>	<p><b>Human Health</b></p> <p>Sugar kelp is high in fiber, vitamin C, vitamin K, iron, calcium, iodine, and magnesium.</p>

- Appearance**
- Sugar kelp are yellowish or dark-brown and green in color.
  - They resemble large lasagna noodles and have a long narrow, undivided blade with a short thin stem.
  - The central band of the blade is dimpled while the margins are smoother with a wavy edge. The central blade gives the sugar kelp its other common names.
- Biology**
- Sugar kelp reach maturity between 3 and 4 years of age.
  - Their blade can grow up to 5 meters (16 feet) long and 20 centimeters (7.9 inches) wide.
  - Sugar kelp can live for 2-4 years and grow quickly in colder months.

SPECIES DIRECTORY

## Blue Mussel

- Overview
- Management
- Resources

**Blue Mussel**  
*Mytilus edulis*



**Also Known As**  
Bibb's mussel

**Quick Facts**

**REGION** New England/Mid-Atlantic, Southeast, West Coast

**FISHWATCH**  
U.S. SEAFOOD FACTS

**About the Species**

U.S. farmed blue mussels are a smart seafood choice because they are sustainably grown and harvested under U.S. state and federal regulations.

<p><b>Environmental Impact</b></p> <p>Mussel provides net environmental benefits by removing excess nutrients and improving water quality.</p>	<p><b>Feeds</b></p> <p>Growing mussels requires no feed—they filter phytoplankton directly from the water column.</p>
<p><b>Farming Methods</b></p> <p>Mussels can be grown in tidal areas or the open ocean. They can be grown directly on the beach bottom or suspended in the water column.</p>	<p><b>Human Health</b></p> <p>Shellfish toxins and bacteria occur naturally in the environment and can cause food-borne illnesses. State and federal regulations require monitoring of farmed clams to ensure they are safe to eat.</p>

**Appearance**

- Range from 2 to 4 inches at maturity, though can grow up to 8 inches.
- The shell is black, blue-black or brown, tear-drop shaped, and has concentric lines marking the outside; the inner shell is white.
- The "beard" is the byssal threads allowing the mussel to attach to substrate.

**Biology**

- Are of the shellfish family. Like oysters, clams and scallops they are bivalve mollusks, and have a hinged shell.
- Adults are sessile—they stay in one place—and inhabit both intertidal and subtidal areas.
- Have fast growth rates and high reproduction rates.
- First mature as males, then later develop female reproductive capabilities.
- Each female can produce between 50 and 200 million eggs during a spawning event.



SPECIES DIRECTORY

## Atlantic Sea Scallop

- Overview
  - Management
  - Recreational Fishing
  - Commercial Fishing
  - Management Areas
  - Observer Program
  - Science
- Resources

**Atlantic Sea Scallop**  
*Placochelone magellanicus*



**Also Known As**  
Scallop, Sea scallop, Giant scallop

**Quick Facts**

**REGION** New England/Mid-Atlantic

**FISHWATCH**  
U.S. SEAFOOD FACTS

**About the Species**

The primary Atlantic sea scallop fishery operates along the Atlantic coast from the Mid-Atlantic to the US/Canada border. The scallop fishery uses predominantly paired or single scallop dredges throughout the entire range of the fishery. To a lesser extent, and mainly in the Mid-Atlantic region, the scallop fishery uses trawl gear. Most vessels land scallops as shucked meats (the adductor muscle) but some vessels also land whole (in-shell) scallops. U.S. wild-caught Atlantic sea scallop is a smart seafood choice because it is sustainably managed and responsibly harvested under U.S. regulations: implementing regulations are found at 50 CFR part 648 subpart D.



<p><b>Population</b></p> <p>Above target population level.</p>	<p><b>Fishing Rate</b></p> <p>At recommended level.</p>
<p><b>Habitat Impacts</b></p> <p>Area closures and gear restrictions protect habitat that are affected by some kinds of trawl and dredge gear.</p>	<p><b>Bycatch</b></p> <p>Regulations are in place to minimize bycatch.</p>

B. Do you intend to possess, transport, or sell whole or roe-on scallops?  Yes  No

If you answered “yes” please contact the Bureau of Public Health to discuss your plans at the following email: [DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)

**Note:** If you are proposing to grow molluscan shellfish, this application also serves as your written operational plan as required in the National Shellfish Sanitation Program (NSSP) Model Ordinance Chapter 2, and must be maintained in your files. If you wish to submit an operational plan separate from this application, please contact: [DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)

**RE: Scallops | Exp Lease App** 😊 ⏪ ⏩ ↶ ↷

 **Lewis, Bryant J** <Bryant.J.Lewis@maine.gov> Today at 08:37  
To:  Jason Mitchell

Jason,  
If the harvest will only be adductor-only then there are no additional Public Health considerations as the adductor does not accumulate biotoxins, however, if there is the intention to harvest roe-on or whole scallops then that needs to be stated on the application. Whole or roe-on scallop harvest requires baseline followed by routine biotoxin monitoring at the leaseholder’s expense during the time of harvest. Detailed information on this process can be read here in the guidance document: <https://www.maine.gov/dmr/fisheries/shellfish/forms/biotoxin-monitoring-forms-and-protocols>. The private lab testing MOU would also be used as a part of that process.

Bryant Lewis  
ME Department of Marine Resources  
Growing Area West Program Supervisor  
194 McKown Point Road  
West Boothbay Harbor, ME 04575  
Cell: 207-215-4107

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**From:** Jason Mitchell <[jmitchell@steamboatroad.com](mailto:jmitchell@steamboatroad.com)>  
**Sent:** Thursday, January 12, 2023 7:52 AM  
**To:** DMRPublicHealthDiv <[DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)>  
**Subject:** Scallops | Exp Lease App

**EXTERNAL: This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Good morning,

I am supporting a client with an Experimental Aquaculture Lease application. They are considering adding scallops to the lease. Section 4B in the application says to contact this e-mail address to discuss plans.

Can you advise on what additional requirements are required for scallops beyond what we would expect for oysters and mussels?

Is there anything else we should accommodate for scallops in our application?

Thanks  
Jason

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**Jason Mitchell**  
**Steamboat Road Consulting**  
*Click here to schedule a meeting*  
[jmitchell@steamboatroad.com](mailto:jmitchell@steamboatroad.com)  
[www.steamboatroad.com](http://www.steamboatroad.com)  
+1-619-322-2344 (c)  
+1-207-751-3530 (w)

## 5. VICINITY MAP

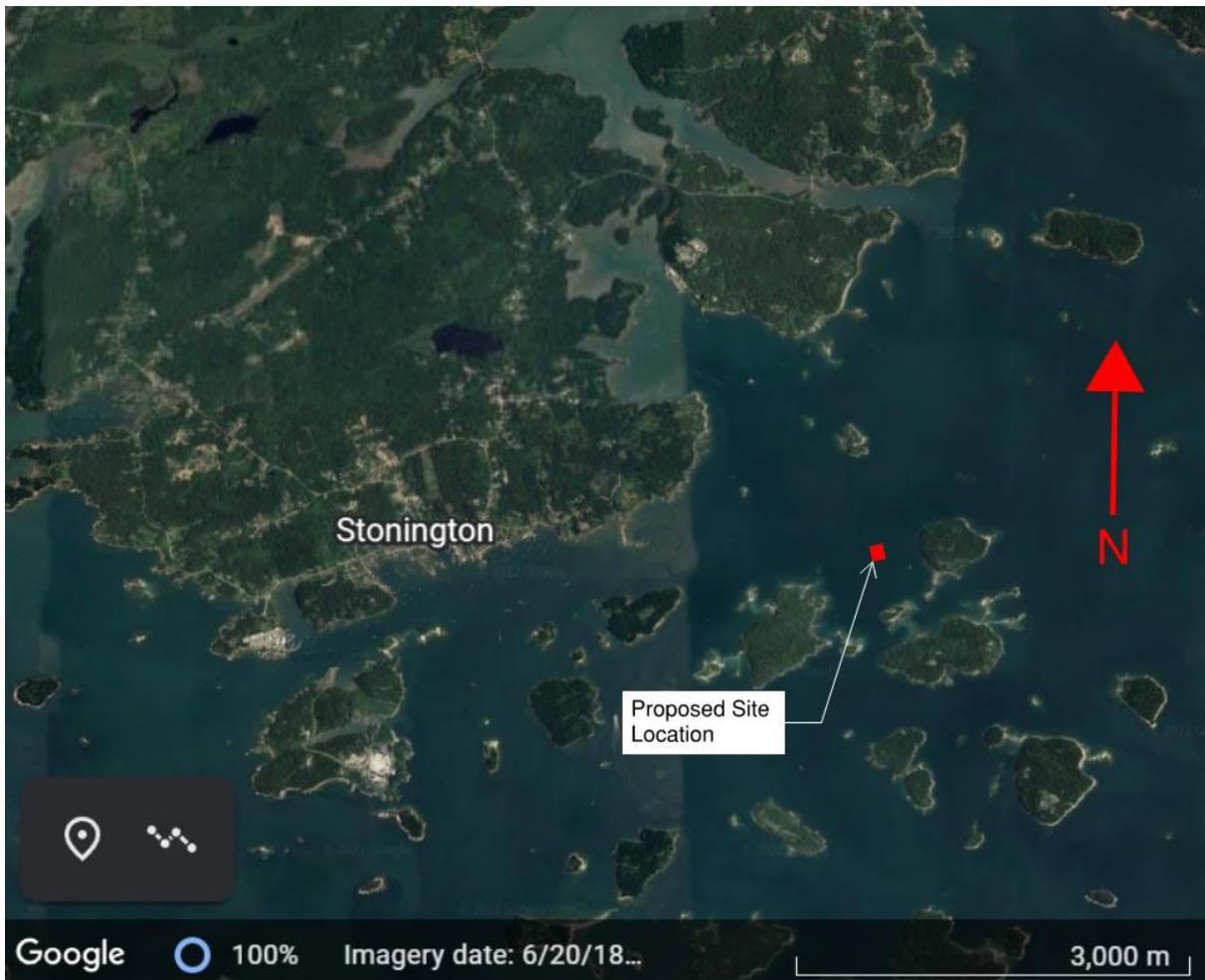
**Note:** You may embed the maps within the document, or attach the maps to the end of your application. If you attach the maps, please label them according to the instructions provided below. If you attach the map, please label it: ‘Vicinity Map’.

**Directions:** Using a NOAA Chart or USGS topographic map, show the area within a minimum of one-half mile of the proposed lease site.

The map needs to display the following:

- The waters, shore lands, and lines of mean high and mean low water within the general area of the lease
- An arrow indicating true north
- A scalebar
- The approximate lease boundaries

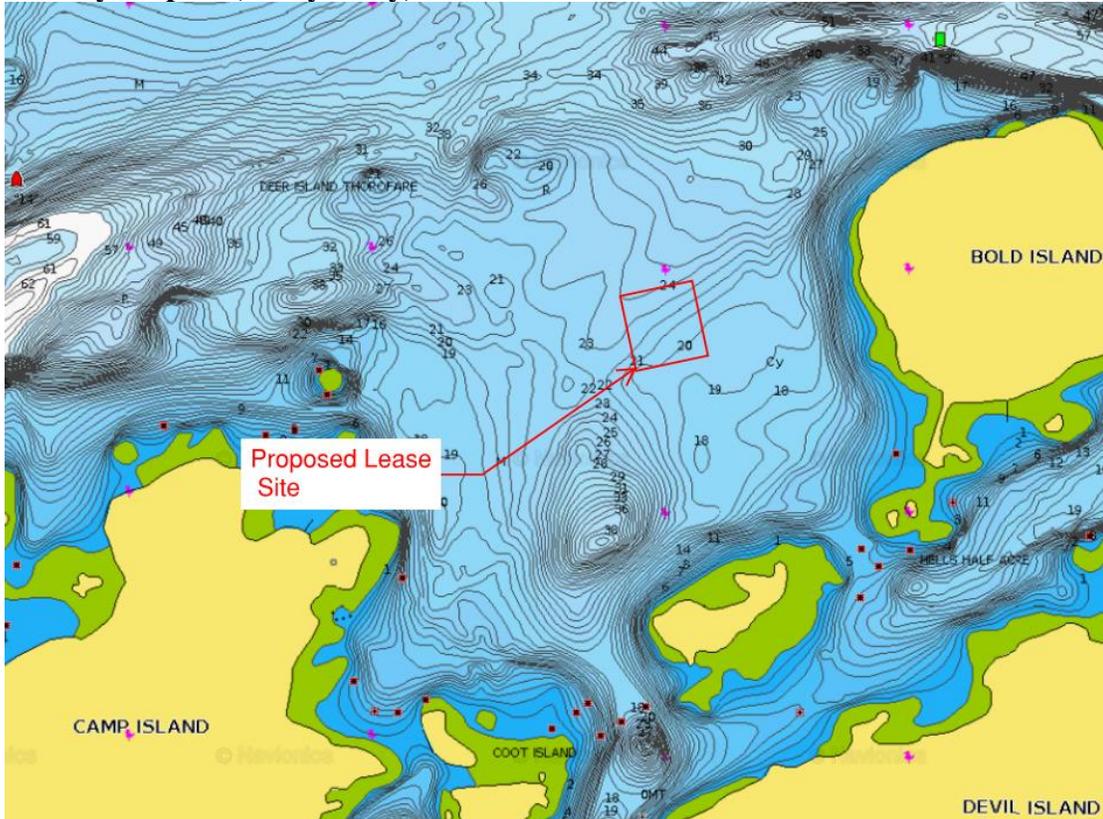
### Vicinity Map 01 (Regional)



### Vicinity Map 02 (Local)



### Vicinity Map 03 (Bathymetry)



## 6. BOUNDARY DRAWING

**Note:** If you attach a drawing, please label it ‘Boundary Drawing’.

**Directions:** Depict the boundaries of the proposed lease site. Provide a drawing with all corners, directions, and distances labeled. Provide coordinates for each corner as follows:

- Coordinate Description

Provide geographic coordinates for each corner of the lease site in latitude and longitude as accurately as possible (e.g., to the nearest second or fraction of a second). Identify the datum from the map, chart, or GPS unit used to develop these coordinates. The datum will be shown on the map or chart you are using. The Coordinate Description may be provided separately from the Boundary Drawing.

### Boundary Drawing



**SEE SITE PLAN OVERVIEW DRAWING FOR ADDITIONAL INFORMATION**

## 7. RESEARCH PROGRAM AND OPERATIONS

**Directions:** If you are cultivating more than one species, you will need to provide the below information for each species. Please attach a separate page if needed.

**A. Type of study (check one):**  Scientific Research  Commercial Research

*Please note:*

*a) Product grown on experimental leases for scientific research cannot be sold. Results of scientific research are not kept confidential.*

*b) Experimental leases for commercial research are not renewable. Results of commercial research are kept confidential.*

**B. What is the purpose of the study? If scientific, please include a detailed study design.**

The lease site is intended to test the latest culture techniques on multiple species in the marine environment in Hancock County.

**C. Describe the general culture process for each species proposed.**

### 1. Gear Descriptions:

#### **Mussel Rafts**

The site will accommodate 12 mussel Rafts (40' X 40' X 15 ft Deep). Each Mussel Rack will accommodate 400-800 drop-lines 15' Long. Each drop-line will accommodate 180 mussels per linear ft (135 Lbs. of mussel per drop-line). Alternatively, each drop-line will accommodate 4 ear-hung scallops per linear ft. Mussel rafts will be secured to the seafloor using a mooring system, and float on the surface of the ocean.

#### **Longline Technology:**

The site will accommodate 24-longlines approximately 250 ft long. Longlines will be secured to the seafloor with a mooring system, and floated in the water column at a fixed elevation above the seafloor. Submerged longline technology will support the production of scallops, and sugar kelp submerged in the water column. It is likely that each longline will contain similar species and technology for culture at any one time. The site has the capacity to hold 28 longlines, allowing for experimentation with multiple technologies and species.

#### **OysterGro Floating Crate Technology:**

The site will accommodate 672, floating Oyster flow Crates (28 Lines with 24 crates per line). Spacing is 12 ft. Each Crate will hold (6) Oyster grow bags. Each Bag will accommodate 200 harvest size oysters, for a total capacity of 800,000 (3'')-oysters on site. Alternate size, configuration, and brand of oyster crates may be used to achieve the same maximum capacity. Floating crate technology will support the culture of Oysters or Scallops at the surface. Floating crates will be secured either to the floating mussels racks or by an independent mooring system, depending on which systems provides the most security and serviceability.

**See APPENDIX A for additional gear description information**

## **2. Gear Orientation:**

This application is intended to provide flexibility in the orientation and placement of the gear on site. The proposed site is a square, allowing for the mussel racks to be oriented on the northern and southern side, or rotated to the eastern and western sides.

The floating Crates may be attached to the mussel rack system, or they may be individually moored to the bottom. If the Floating crates are secured to the mussel racks the lines would run from one mussel rack assembly, across the site to the other mussel rack assemble. If the floating Crates are moored independent of the mussel racks, the lines would be rotated 90 degrees, with the end of the lines terminating in open water for better boat service.

The submerged long-lines are intended to run in parallel and between to the floating crates lines above. We feel that this offers us the most operational flexibility to experiment with the different orientation to maximize culture performance and operational efficiencies.

## **3. Culture Techniques**

### **Mussels Culture:**

Wild mussel spat will be collected on site using seed ropes deployed at times with spat are most abundant. Mussels will be cultured using mussel rack technology with predator nets. Drop-line length will be modified for the depth of the site. Mussels will start in cotton socks, be graded and re-socked as necessary. Mussels will be harvested, de-clumped, and cleaned on site. De-bissing and packaging will be completed offsite.

Culture time: 18 months to 2 years.

### **Oysters Culture:**

Oysters will be cultured in mesh bags secured inside floating racks, with or similar to, the OysterGro Technology. The size of the crate may vary depending on production circumstances / optimization, safety, and ergonomics. Oysters will be socked at 25 millimeters for growout to 75 mm. Oysters will be graded and re-bagged at adjusted densities at 40 and 60 mm.

### **Scallop Culture:**

Scallops seed will be sourced from a DMR approved hatchery and will be cultured initially in lantern nets, deployed on submerged longlines. Final Growout will be Ear-Hung culture on droplines from longlines and/or the mussel racking systems.

### **Sugar Kelp Culture:**

Sugar kelp ropes will be seeded and established in a DMR approved hatchery in Maine and grown on site via submerged longlines. These longlines will be anchored to the seafloor and suspended with buoy floats at a depth to ensure the kelp is off the seafloor but below the surface. The kelp will be attached directly to the longline.

**D. What months will the proposed activities (i.e. seeding, tending, and harvesting) occur?**

The multitrophic experimental production of (4) species will require year-round activities on the site. Activity in the spring and fall will be heavy with stocking, sorting and grading animals. Harvesting will be distributed to support continuous production but may also be concentrated at certain times to avoid downtime and support the continuous use of processing facilities that are currently used for lobsters. Winter activity will be light while growth is slowed, and maintenance is minimal.

Mussel

Mussel seeding, tending, and harvesting take place all year round. Mussels will naturally set on the ropes/associated gear. Tending and harvesting will also be year-round.

Oyster

Seeding will take place between April-August and tending will occur between seeding and harvesting in March-November.

Kelp

Kelp will be seeded after oysters are winterized (November-January), tended (November-April), and harvested (April-June) depending on growth

Scallop

Seeding will line up with Oyster seeding (April-August) and tending and harvesting will overlap (September-March)

**E. How often will you be at the site during seeding and harvesting periods?**

We anticipate being on site (once) every (3) days during the Spring (March-June) and Fall (September-November)

**F. How frequently will you visit/tend the site for routine maintenance (i.e. flipping cages, etc.)?**

We anticipate being on site (once) daily during the summer (June-September) for routine maintenance and (once) every 5-7 days as needed while overwintering product (November-March).

**G. Describe the harvesting techniques you will use. If you plan on using a drag, please provide the dimensions.**

Harvesting from the mussel racks will be done by boat. Lines will be hauled, stripped of mussels. Product will be de-clumped, sorted and washed on site and packaged in totes for

transport back to land-based facilities for further processing, packaging, and distribution. Small product will be re-socked and returned to the culture rack for further growout.

Harvesting Oysters will be completed by boat or floating dock. Racks will be hauled, and bags will be removed, product will be sorted and washed on site. Product will be transported back to land-based facilities for further processing, packaging, and distribution.

Harvesting Scallops and Sugar Kelp will be completed by hauling longline, and detaching product from drop-lines. Raw/Live product will be packed for transport back to land-based processing facilities for further processing, packaging and distribution.

**H.** Describe any overwintering or “off season” plans for the site. For example, will you remove gear from the site and/or deploy gear in different areas within the proposed site? Please include where gear or product will be located if moved from the site.

Due to the lower culture temperatures, we are anticipating longer culture times for oysters and scallops which will require multiple years on site, requiring that the product be overwintered up to two or three winters. Mussel culture is anticipated to require a single over winter, as is the culture of sugar kelp. In general, all the gear will remain in position over the winter. Oyster Crates may be submerged during the winter months if necessary to avoid ice and weather. The sugar kelp growing season is over winter, so there may be a focus on Kelp culture and maintenance in that season.

**I.** What type of machinery (e.g. generator, drag, grading equipment, etc.) will you be using on the site? When and how often will the machinery be used?

There is very specific machinery for the harvesting and cleaning of drop-lines for mussels. The harvest/processing is done using the vessel and hydraulic pumps and motors to bring up the mussels which will be used approximately for 6 hours during harvest days (approx. twice weekly during harvest season). A hydraulic power washer will be used to clean all equipment for typically 6 hours on maintenance days. All oyster, sugar kelp, and scallop work will be done by hand at the beginning of our operations.

**J. Please provide details on any predator control techniques you plan to employ.**

The culture of oysters is protected by mesh bags and steel crates. The mussel racks will have predator netting around and under them to protect against sea ducks. There is no predatory control for Sugar Kelp and ear-hung scallops on longlines.

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

Examples may include:

- Submerging suspended gear and associated product at a depth sufficient to deter roosting for two weeks before harvest
- Attaching physical deterrents (i.e. zip ties) to gear
- The site is proposed for the culture of seed only
- The site is proposed for the culture of adductor-only scallops (i.e. no other shellfish species would be grown on the site)
- Proposed gear would always be suspended below the surface of the water at a depth sufficient to deter roosting (i.e. as is common for scallop lantern nets)

All floating Crates will have physical deterrents to birds for roosting in the form of “spiders” and/or spinning flags. Additionally, the rafts will deploy animated predator bird decoys like owls and hawks.

## 8. EXISTING USES

**Directions:** Describe the existing uses of the proposed area. Please include the amount of activity, the time of year the activity occurs, frequency, and proximity to the lease site.

**A.** Describe the existing uses of the proposed area in questions A.1 through A.5 below. Please include the a) type b) time of year c) frequency, and d) proximity to the lease site for each existing use.

### 1. Commercial Fishing

There is some commercial lobstering that takes place in the area surrounding the proposed lease area in the summertime. Based on visual observations made in 2023, there were 5 lobster traps counted in a 200ft. radius surrounding the proposed lease footprint.

### 2. Recreational Fishing

There is some recreational fishing that takes place in the summertime within the proposed lease area, however, this area is not ideal since the area does not hold any geographic features that may attract fish, like structures or deep holes.

**3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)**

The site is located about 1000 ft away from the nearest navigational corridor that is marked with navigation Buoys.



**4. Ingress and egress (i.e. coming and going) of shorefront property owners within 1,000 feet of the proposal (e.g. docks, moorings, landing boats on shore, etc.)**

There are two Private dock in the vicinity, but both are outside of 1000 ft from the proposed site.



**5. Other uses (kayaking, swimming, etc.)**

Kayaking is possible in the area, but unlikely due to the proximity of boat traffic, and swimming would pose a safety risk to the swimmers. The site is not well traveled as the islands pose a travel risk to boaters who are not familiar with the location.

**B. Are there private docks, moorings, or other access points within 1,000 feet of the proposed lease? If yes, please include approximate distance from proposed lease.**

No

**C. Are there public beaches, parks, or docking facilities within 1,000 feet of the proposed lease site. If yes, please describe and include approximate distances from proposed lease.**

No

**D. Are there any Limited Purpose Aquaculture (LPA) licenses or aquaculture leases within 1,000 feet of your proposed lease site? If yes, please list their acronyms below.**

Current and pending aquaculture leases and active LPA licenses may be found here: <https://www.maine.gov/dmr/aquaculture/leases/index.html>

No

**9. CURRENT OPERATIONS**

**Directions:** If a question does not pertain to your proposed operations, please write “**not applicable**” or “**N/A.**”

**A. Describe your existing aquaculture operations, including the acronyms of all active leases and/or licenses.**

The lease applicant is the owner and operator of Greenhead Lobster company. This company is a well-established distributor of live lobsters, and processed lobster tails and meat. The owner of this company has significant waterside resources to support the operation of the proposed activities including multiple lobster pounds, land-based holding tanks, lobster holding systems, boats, docks, and personnel.

**B.** What are your plans for any existing leases and/or Limited Purposed Aquaculture (LPA) licenses if the lease is granted? Will any existing leases and/or Limited Purpose Aquaculture (LPA) licenses be relinquished if the lease is granted? If so, please indicate which ones.

We are planning to apply for (2) experimental leases and (4) LPA leases in the area at the time of this application. These are the first lease applications for this applicant. The other experimental lease includes two lobster pounds that will be used for early rearing (Year 1-2) of oysters prior to transplanting to this site.

## 10. EXCLUSIVE USE

If your lease is granted, what activities would you request be excluded from occurring within the boundaries of the lease site? In your answer please address applicable commercial and recreational fishing, boating activities, and other activities you listed in the 'Existing Uses' section of this application.

We would expect that no commercial fishing would take place within the lease site. Recreational rod and reel fishing could be accommodated from the perimeter of the site and would likely be improved due to the structure and habitat improvements. No other recreational activities would be allowed on site.

## 11. ENVIRONMENTAL CHARACTERIZATION

**Directions:** Using your knowledge of the area, describe the environment of the proposed lease site. Be sure to include units of measurement in your answers (i.e. feet, cm/s).

**A.** What are the approximate depths at mean low water?

The depth of the lease at low tide is between 19 and 24 ft deep.

**B.** What are the approximate depths at mean high water?

The approximate depth at high tide is between 29 and 34 ft deep.

**C. Provide the approximate current speed and direction during the ebb and flow.**

Current speed and direction is most influenced by the tides. The current speed can be as low as 10 cm/sec at slack tide and up to 50 cm/sec at mid tide. There is some eddy effect in the area of this lease due to the surrounding islands which makes identification of the current direction difficult to determine precisely, which is one of the reason why we have requested flexibility in the orientation of gear.

**D. The following questions (D.1 through D.6) may be answered in writing or by submitting a video. If you plan to submit a video, please contact the Department prior to video collection.**

**1. What are the bottom characteristics (mud, sand, gravel, rock, ledge or some mix, etc.)?**

The bottom characteristics are mostly mud, with some rock ledge and mixed gravel sediment.

**2. Describe the bottom topography (flat, steep rough, etc.).**

The topography is flat with a slight slope down as you travel to the northeast.

**3. Describe marine organisms by species or common names. Based on your personal observations or other sources of information, are these species abundant, common, or rare?**

Eiders, sea ducks and other sea birds sometimes frequent the area, more commonly in fall and winter months, but not at a higher frequency than other areas near Stonington. The proposed site appears mostly devoid of marine plants due to the mostly muddy bottom. Few benthic organisms like worms and green crabs inhabit the area but not at significant densities. The site was chosen in part because of lack of commercial fishing and other marine organisms.

**4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.**

None

**5.** Describe the presence and extent of submerged aquatic vegetation, i.e. eelgrass, within the proposed lease area. Please include the date of this observation along with the method of observation. If submerged aquatic vegetation is observed, please also describe the abundance below and sketch the limits of the beds in the vicinity map.

There is no observed aquatic vegetation within the proposed area. This was made by visual observation by the owner of Greenhead Lobster, LLC up to 2023. This is also in agreement with DMR Aquaculture Web map layers which show no observed eelgrass within the site.

**6.** Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)

Bold Island has a rocky shoreline, and the Island is heavily forested. There is one riparian landowner on the island.

**E.** Is your proposed lease located within a Maine Department of Inland Fisheries and Wildlife designated Essential Habitat?

Yes  No

**Note:** The location of Essential Habitats in the State of Maine, along with information on how projects within these areas are reviewed, can be found here: <https://www.maine.gov/ifw/fish-wildlife/wildlife/endangered-threatened-species/essential-wildlife-habitat/index.html>

**If a project is located within an Essential Habitat,** applicants are strongly encouraged to contact the MDIFW Environmental Review Coordinator ([John.Perry@maine.gov](mailto:John.Perry@maine.gov), phone: 207-287-5254) prior to application submission.

**F.** Will your operations discharge anything into the water such as feed (pellets, kelp, etc.) or chemical additives (therapeutants, chemical treatments, etc.)?

Yes  No

**Note:** If you answered yes, you must submit a video of the bottom using a method prescribed by the Department. **The video must be filmed between April 1 and November 15.** If a discharge is proposed you will also need to obtain a Maine Department of Environmental Protection (DEP) discharge permit. For information on this permit please contact DEP's Wastewater Licensing Program ([Gregg.wood@maine.gov](mailto:Gregg.wood@maine.gov), 207-287-7693). Further sampling may be required by DMR, or DEP, depending on the characteristics of the site or the proposed activities.

## **12. STRUCTURES** *(if applicable)*

If your operations require the use of cages, nets, ropes, trays, or any object (structure) other than the organism to be grown directly on the bottom or buoys to mark the corners of the lease site, you must submit an **Overhead View** and **Cross-Section View** of your gear plans. It is important to note that, unlike Limited Purpose Aquaculture (LPA) Licenses, experimental and standard leases require that all gear, including moorings, must be located within the proposed lease boundaries.

**Note:** You may embed the gear plans, or attach them to the end of your application. If you attach the plans, please label them according to the instructions provided below.

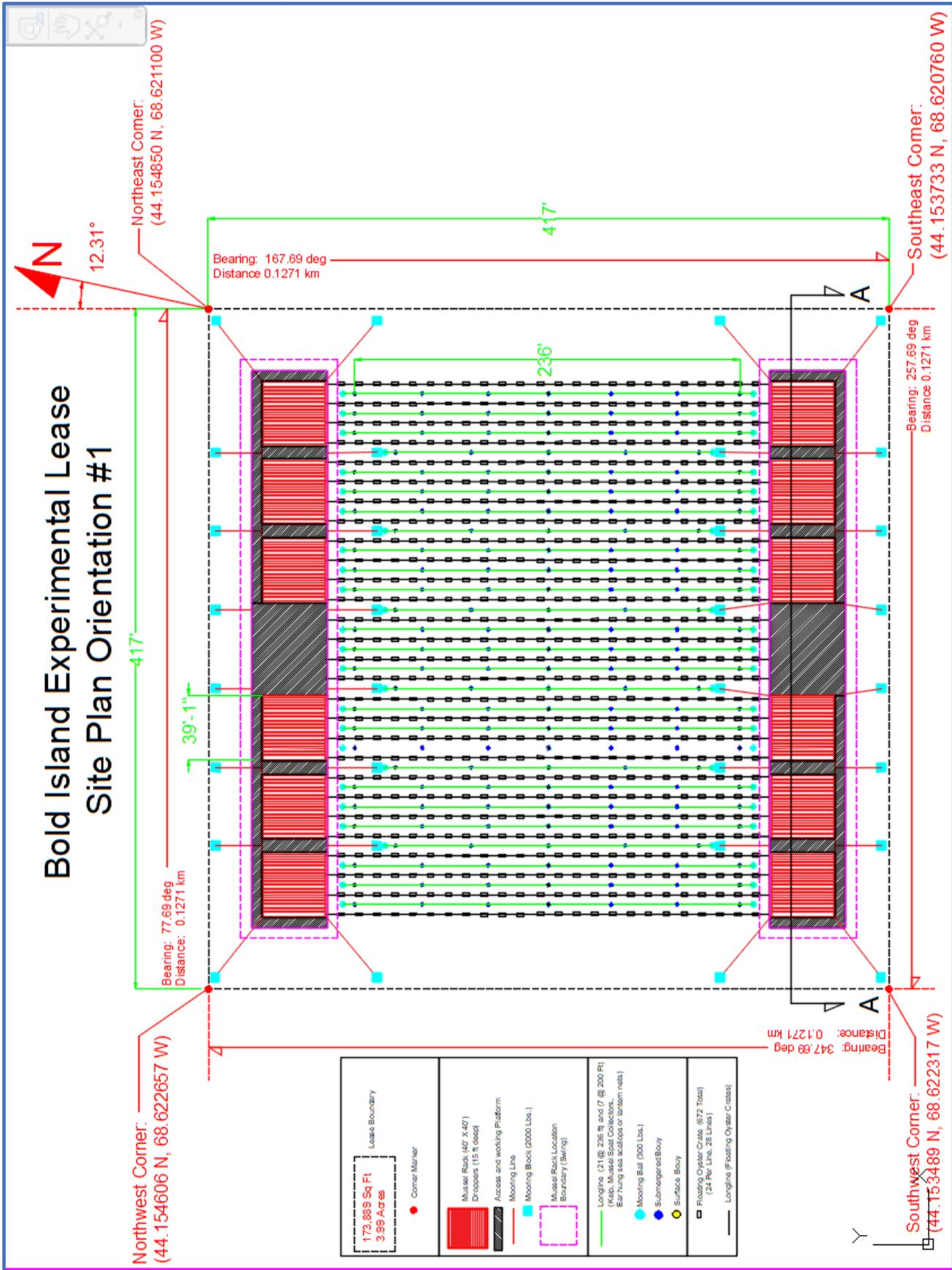
**A) Overhead View** (please label this “Overhead View”):

**Directions:** All dimensions need to be labeled with the appropriate units (i.e. 10ft, 10in)

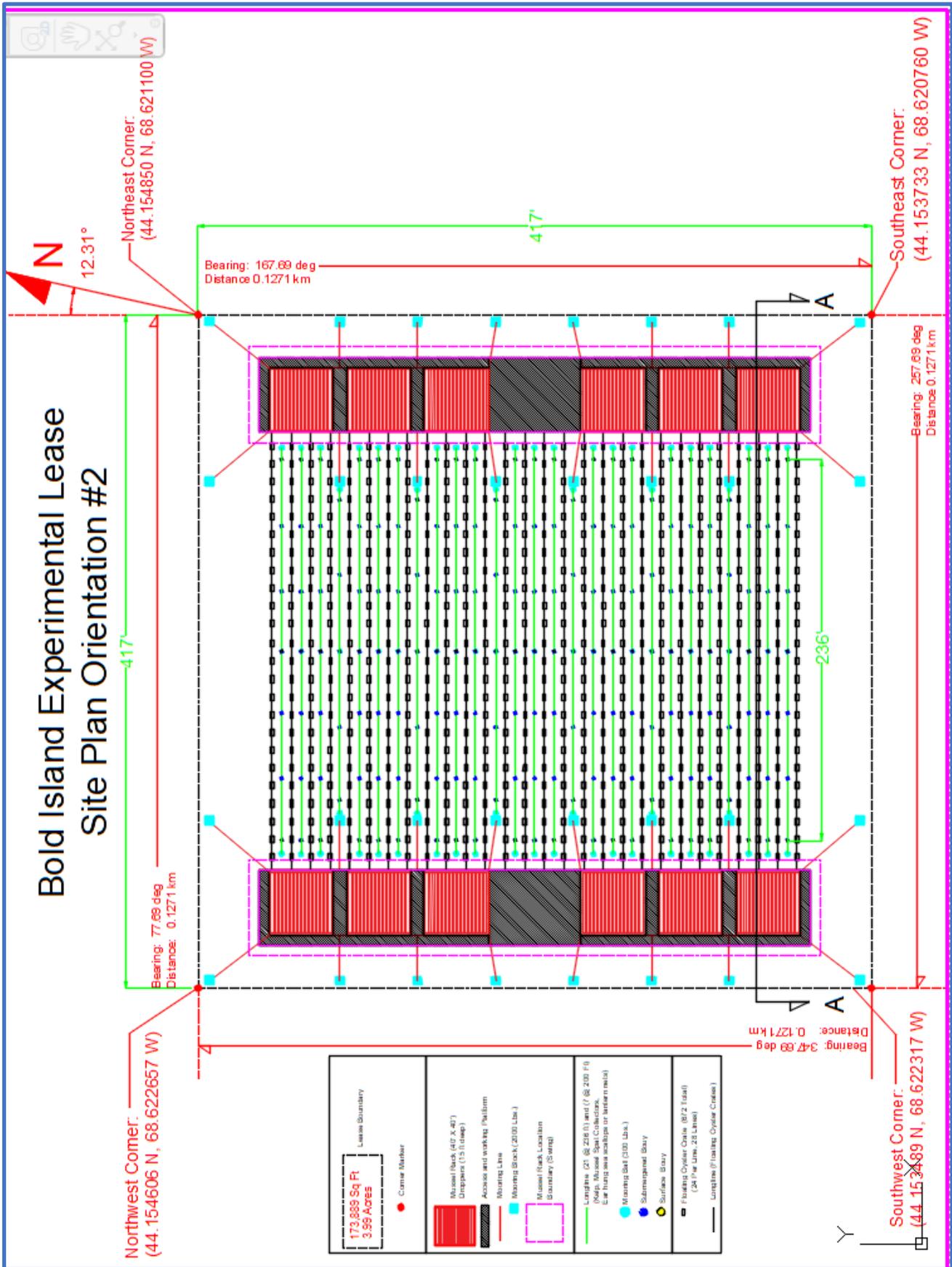
- Show maximum layout of gear including moorings.
- Show dimensions of entire gear layout
- Show approximate spacing between gear.
- Show lease boundaries and the location of proposed markers on all drawings.

***SEE NEXT PAGE***

# Site Plan (Overhead View)



# Site Plan (Overhead View) (Alternate Layout option)



**B) Cross-Section View** (please label this “Cross Section View”):

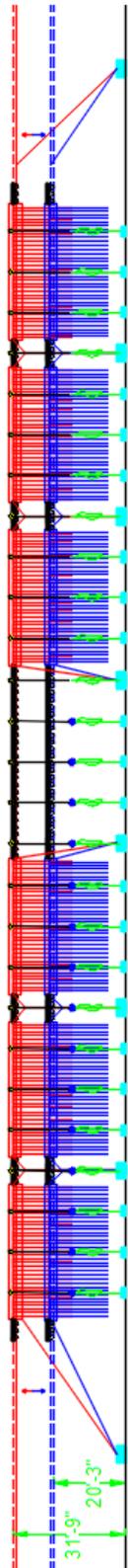
**Directions:** The cross-section view must show the following:

- The sea bottom
- Profile of gear in cross-section as it will be deployed
- Label gear with dimensions and materials
- Show mooring gear with mooring type, scope, hardware, and line type and size
- Water depth at mean high and mean low water

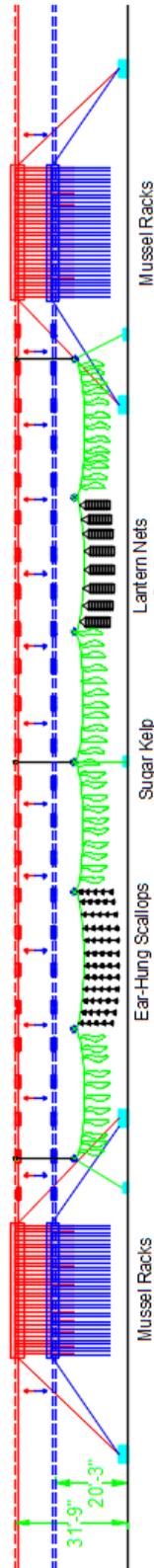
**Note:** Please include an additional Cross Section View, depicting the elements listed above, if there will be seasonal changes to gear layout (i.e. over wintering).

***SEE NEXT PAGE***

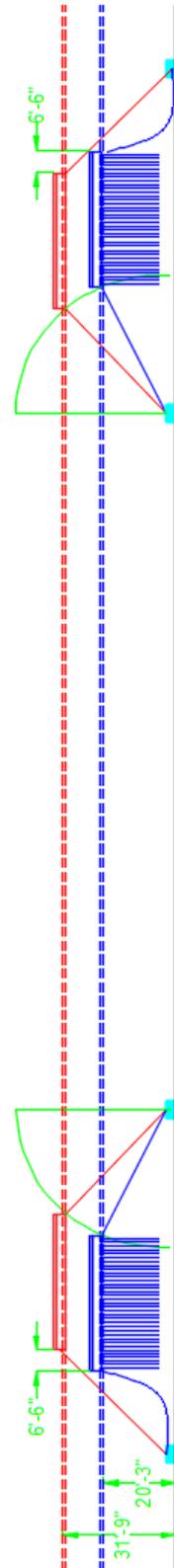
Site Layout (Cross Section View)



Orientation #1 Section A



Orientation #2 Section A



Potential Swing

### C) Gear Description

**Directions:** List and describe each individual gear type that you will use in the table below.

<b>Specific Gear Type</b> <i>(e.g. soft mesh bag)</i>	<b>Dimensions</b> <i>(e.g. 16"x20"x2")</i>	<b>Time of year gear will be deployed</b> <i>(e.g. Spring, Winter, etc.)</i>	<b>Maximum amount of this gear type that will be deployed on the site</b> <i>(i.e. 200 cages, 100 lantern nets, etc.)</i>	<b>Species that will be grown using this gear type</b>
Mussel Rafts	(40' x 40')	Year Round	(12)-Racks maximum	Mussels and Scallops.
Dropper Lines	1/2- or 5/8-inch diameter, 15' long	Year Round	Maximum # of drop lines per rack = 800	Mussels and Scallops
Predator Netting	6 inch stretched mesh predator nets with 4 x 75 lb cannon ball weights	Year round	4 nets per raft = 48	Mussels and Scallops
Submerged Longlines	(250 linear Ft) With (40) 6 ft Droplines/lantern nets	Year Round	24 long lines total with a maximum of 960 drop lines or Lantern nets.	Scallops, and/or Sugar kelp
Mooring Lines	1/2"-3-4"	Year Round	Max # of Mooring Lines = 32	N/A
Floating Oyster Crates	5' X 3' X 2' (L X W X D) Alternate crate sizes may be used for production & safety considerations.	Year Round	28 lines with 24 crates per line. 672 Crates total. Each Crate holds 6 mesh bags.	Oysters and/or Scallops
Corner Markers	Red, polyform, 1.5' LD-2 Buoy	Year Round	4	N/A
Surface Buoys	Yellow, Polyform, 1.5' LD-2 Buoy	Year Round	Max # of Surface Buoys =52	N/A
Submerged Buoys/ Depth Control Weights	2"x8"	Year Round	Max # of Submerged Buoys/ Depth Control Weights = 123	Scallops/ Sugar Kelp
Mooring Balls	300 lbs	Year Round	Max # of Mooring Balls = 42	N/A
Mooring Block	2000 lbs.	Year Round	Max # of Mooring Blocks = 32	N/A

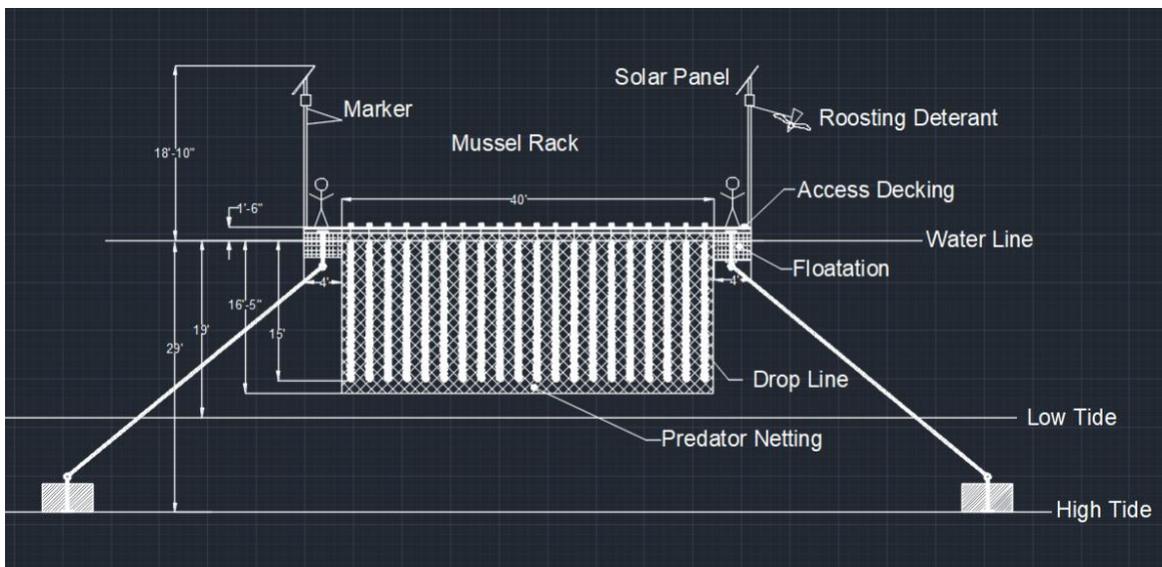
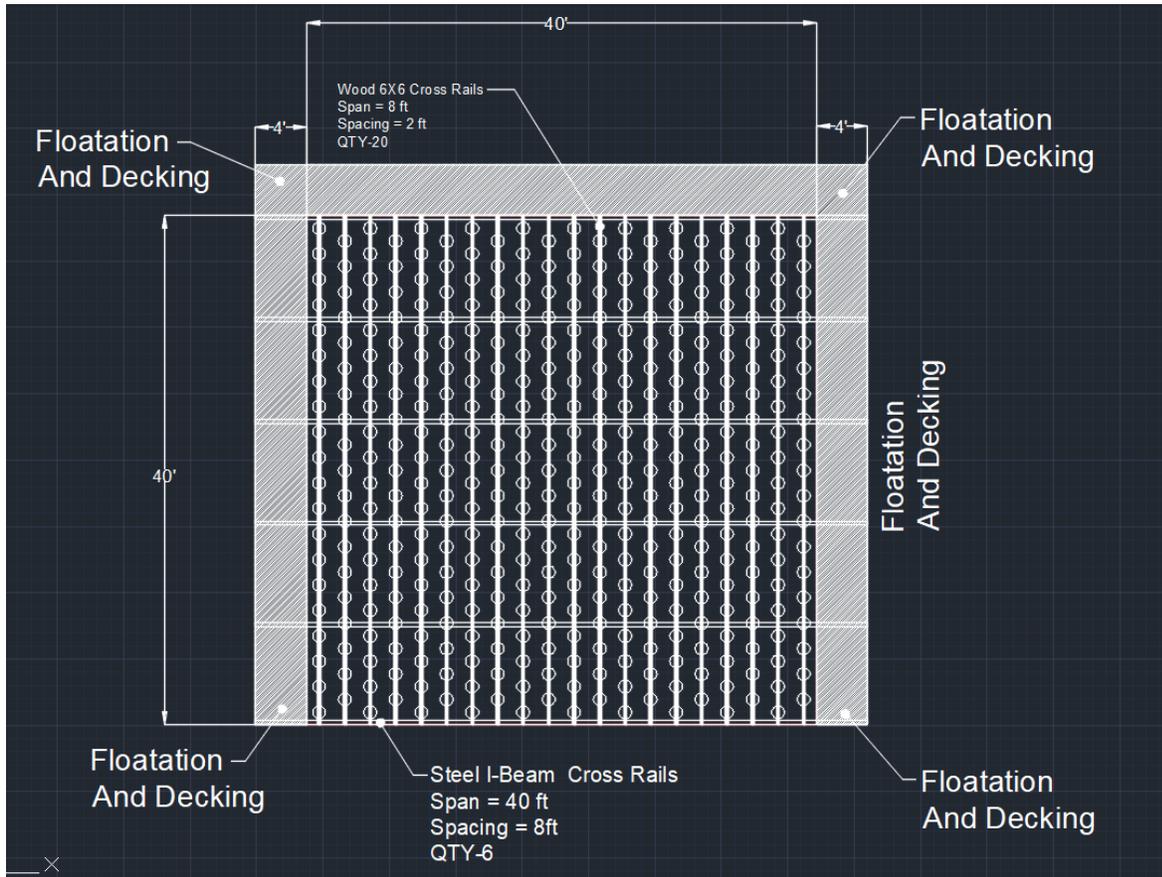
See APPENDIX A for additional gear description information

**D) Gear Drawing** (please label this “Gear Drawing”).

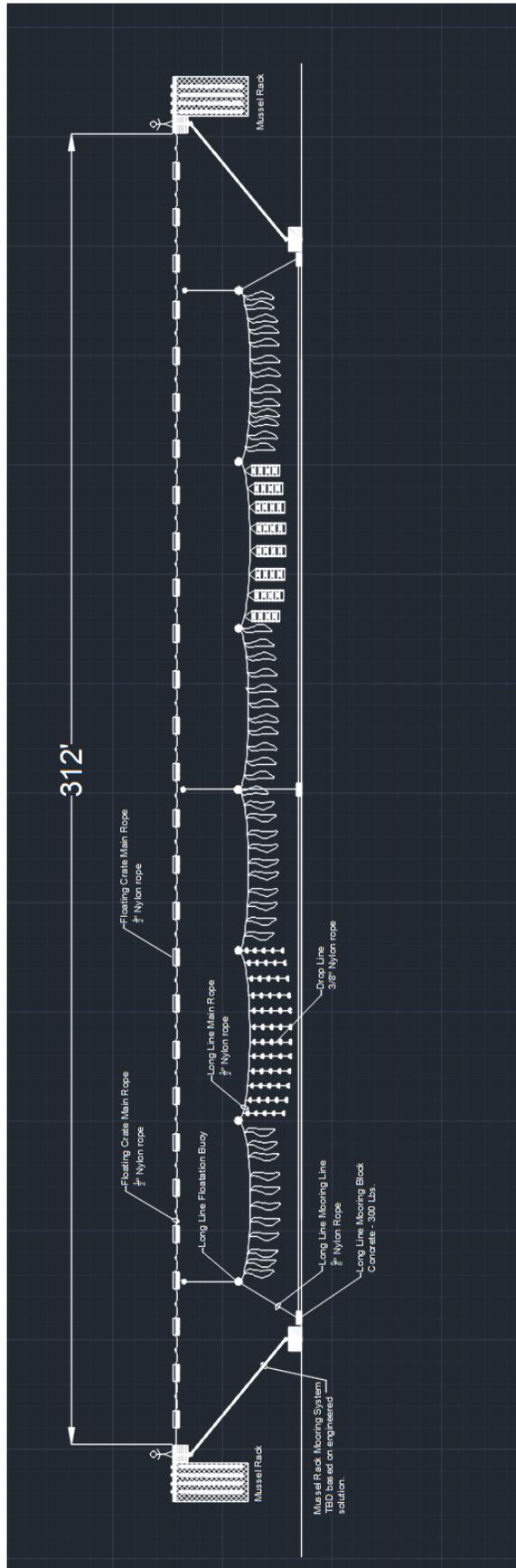
**Directions:** Include a drawing of an individual piece of gear for each of the gear type(s) you plan to use. The drawing(s) needs to depict the length, width, and height of each gear type with appropriate units referenced (i.e. 10in, 10ft, etc.).

See APPENDIX A for additional gear description information.

**Gear Drawing, Mussel Rack (Plan)**



# Gear Layout, (Long Lines and Floats crates)



### 13. MARKING

Will you be able to mark your site in accordance with DMR regulations, Chapter 2.80? In part, this requires marker buoys which clearly display the lease ID and the words SEA FARM to be located at each corner of the lease. Effective January 1, 2023, marker buoys must be yellow and host reflective material.

Yes     No

If you answered no, explain why and suggest alternate markings.

*Note:* If a lease is granted, you will also be required to mark the site in accordance with appropriate US Coast Guard Regulations. If you have questions about US Coast Guard regulations contact: 1<sup>st</sup> Coast Guard District, Aids to Navigation Office.

### 14. RIPARIAN LANDOWNERS AND SITE ACCESS

A. If your lease is 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**), the following supporting documents are required:

1. A labeled copy of a tax map(s) depicting the location of the proposed lease site and including the following elements:
  - Label the map “Tax Map: Town of (name of town).”
  - Legible scale
  - Tax lot numbers clearly displayed
  - The boundaries of the proposed lease
2. Please use the Riparian Landowner List (included on the next page) to list the name and address of every shorefront landowner within 1,000ft of the proposed lease site. Have the tax collector or clerk of the municipality certify the 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>

*Note:* When the application and riparian list are both ready to be submitted, you may choose to email a copy of the riparian list and proposed lease coordinates to [DMRAquaculture@maine.gov](mailto:DMRAquaculture@maine.gov) for staff to verify that all required parcels are included on the list *before* having it certified by the municipality. DMR will not verify a riparian list multiple times, so please ensure there will be no additional changes to the application before emailing the riparian list for verification.

- 3.If any portion of the site is intertidal you need to complete the steps outlined in “17. Landowner/Municipal Permission Requirements”.

**B. Will your access to the lease area be across riparian land?**

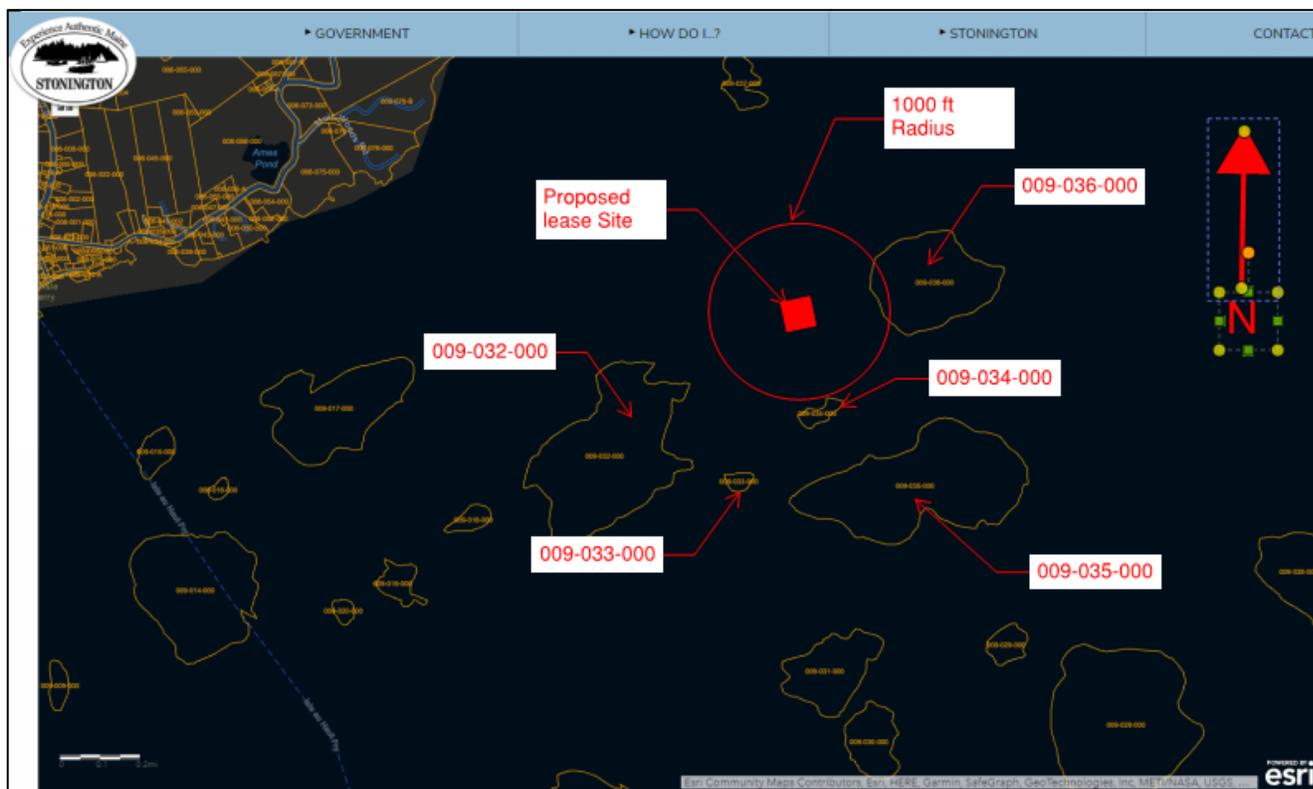
Yes     No

**Note:** If you selected yes, you will need to complete the landowner permission requirements included in “17. Landowner/Municipal Permission Requirements” of this application.

**C. How will you access the proposed site?**

Site will be accessed by boat.

### Tax Map



# Riparian Landowner List



JANET T.  
MILLS

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

PATRICK C. KELIHER  
COMMISSIONER

**- 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: Stonington, ME

MAP #	LOT #	Landowner name(s) and address(es)
<u>09</u>	<u>036-000</u>	<u>RITCHIE 2010 ISLAND TRUST (90% INT)</u> <u>C/O DORIS J LIGHT (TRUSTEE)</u> <u>RITCHIE, DAVID &amp; LAURA (10% INT)</u> <u>90 Broadway, Saugus, MA, 01906</u>
<u>09</u>	<u>034-000</u>	<u>State of Maine</u> <u>Stonington ME 04681</u>

**CERTIFICATION**

I, Mary C. Roche, Town Clerk for the Town of Stonington, 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: Mary C. Roche DATE: 5/3/23

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

PHONE: (207) 624-6550

FAX: (207) 624-6034

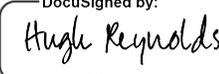
**15. ESCROW ACCOUNT OR PERFORMANCE BOND**

Check the category that describes your operation:

Check Here	Lease Category	Amount of Required Escrow or Performance Bond
<input type="checkbox"/>	No gear/structure, no discharge	None
<input type="checkbox"/>	No gear/structure, discharge	\$500.00
<input type="checkbox"/>	≤ 400 square feet of gear/structure, no discharge	\$1,500.00
<input checked="" type="checkbox"/>	>400 square feet of gear/structure, no discharge	\$5,000.00*
<input type="checkbox"/>	Gear/Structure, discharge	\$25,000.00

\*DMR may increase the bond/escrow requirements for leases with more than 2,000 feet of structure.

I, (*printed name of applicant*) Hugh Reynolds have read DMR Aquaculture Regulations 2.64(12)(B)) and if this proposed lease is granted by DMR I will either open an escrow account or obtain a performance bond, depending on the category of lease.

DocuSigned by:  
  
 F927F39F7A644E8...

1/13/2023

Greenhead Lobster, CEO

**Applicant Signature****Date***Note: Add title if signing on behalf of a corporate applicant.*

**ADDITIONAL APPLICANTS:** Each applicant must sign this section indicating that they will open an escrow account or obtain a performance bond. Use the space below for additional persons listed on the application. You may attach additional pages, if necessary.

I, (*printed name of applicant*) N/A have read DMR Aquaculture Regulations 2.64(10)(D) and if this proposed lease is granted by DMR I will either open an escrow account or obtain a performance bond, depending on the category of lease.

**Applicant Signature****Date***Note: Add title if signing on behalf of a corporate applicant.*

## 16. APPLICANT SIGNATURE PAGE

I hereby state that the information included in this application is true and correct. I have also read and understand the requirements of the Department's rules governing aquaculture and the application instructions pertaining to the experimental lease process.

Printed name: \_\_\_\_\_ Hugh Reynolds \_\_\_\_\_

Title (*if corporate applicant*): \_\_\_\_\_ Greenhead Lobster, CEO \_\_\_\_\_

Signature: \_\_\_\_\_  \_\_\_\_\_ Date: \_\_\_\_\_ 1/13/2023

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

**Note:**

- All applicants must sign and date this page. Please use the space below, if additional signatures are required.
- Corporate applicants, please be sure to include the title (i.e. President, Treasurer, etc.) of the individual(s) signing on the company's behalf.

**17. LANDOWNER/MUNCIPAL PERMISSION REQUIREMENTS (if applicable)**

***NOT APPLICABLE***

**PART I: The use of private property to access your site.**

Pursuant to 2.64(C)(6) if you are using private property to access the proposed lease site, you need to submit written permission from the property owner with your application. It is your responsibility to obtain written permission. Please note that the Department does not provide forms for landowner or municipal permission. **If any portion of your site is also intertidal you will need to complete the steps outlined in Part II, below.**

**PART II: If any portion of the site is intertidal you need to complete the following steps:**

**Step I: Obtain written permission from all intertidal landowners.**

Pursuant to 2.64(C)(6) the Department requires *written permission of every owner of intertidal land in, on, or over which the experimental activity will occur.* It is your responsibility to obtain written permission and include it with your application materials. Please note that the Department does not provide forms for landowner permission.

**Step II: Determine if the municipality where your site is located has a shellfish conservation program.**

Pursuant to 12 MRSA §6072(3) *In any municipality with a shellfish conservation program under section 6671, the Commissioner may not lease areas in the intertidal zone within the municipality without the consent of the municipal officers.*

If the municipality where the proposed lease site is located has a shellfish conservation program, it is your responsibility to obtain consent for the proposed lease site from the municipal officers (i.e. the selectmen or councilors of the town, or the mayor and aldermen or councilors of a city.) Consent means a majority vote of the municipal officers as recorded in a public meeting.

It is your responsibility to contact the municipality and determine if they have a shellfish conservation program. Best practices would include discussing your plans with shellfish committee members, but only the consent of municipal officers is required.

1. Does the municipality, where the proposed site is located, have a shellfish conservation program?  Yes  No

**If you answered yes**, please attach documentation from a public meeting demonstrating that a majority of municipal officers have consented to your proposal.

## APPENDIX

## APPENDIX A - Gear Description Additional Information

### Mussel Racks



The screenshot shows the website for Kames Fish Farming Limited. The header includes the company logo and name, along with navigation links for 'About' and 'Solutions'. The breadcrumb trail reads: Home > Companies > Kames Fish Farming Limited > Products > Kames - Model 35 - Tonne Raft. The main heading is 'Kames - Model 35 - Tonne Raft', with a sub-heading 'From Shellfish Rafts & Long Lines'. Below this is a star rating of 0 and social media share buttons for Facebook, Twitter, and LinkedIn. A photograph shows a long, narrow raft floating on the water. The text describes the raft's dimensions (14m x 14.5m), its carrying capacity (35 to 40 tonnes), and its construction from steel beams.

**Kames - Model 35 - Tonne Raft**

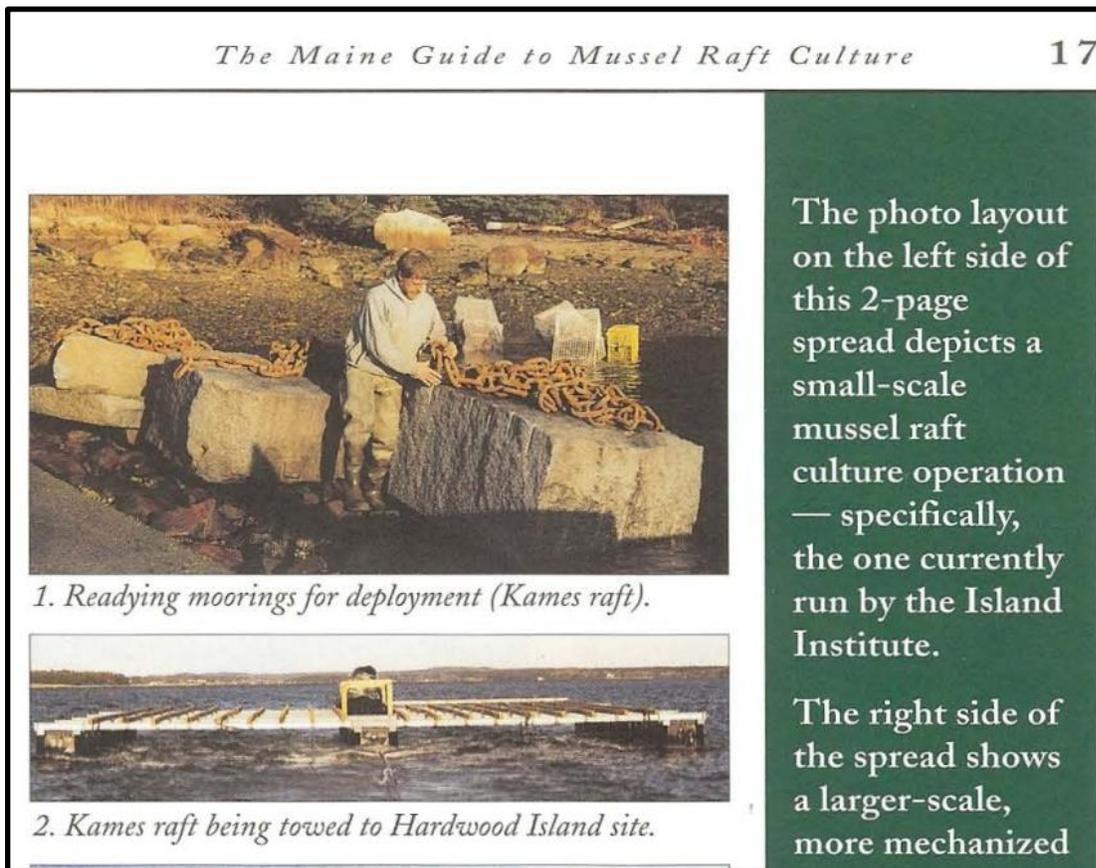
From Shellfish Rafts & Long Lines

☆☆☆☆☆ 0

SHARE [f](#) [t](#) [in](#)

Measuring 14m x 14.5m this raft has 160 square metres of hanging space and can hold up to 22 hanging rafters. A maximum carrying capacity of 35 to 40 tonnes is recommended. The buoyancy supplied with the raft is usually tailored to customer requirements. As with the 25 tonne raft, this model is constructed from the best quality materials and utilises the longest currently available steel beams to maximise the usage of space and minimise the cost.

*The Maine Guide to Mussel Raft Culture* 17



The image shows a two-page spread from a guide. The left page features a photograph of a person in a white hoodie and khaki pants standing on a rocky shore, working with large concrete blocks and thick orange mooring chains. Below the photo is the caption: '1. Readyng moorings for deployment (Kames raft)'. The right page features a photograph of a large, rectangular, white raft floating on the water, being towed by a yellow tugboat. Below the photo is the caption: '2. Kames raft being towed to Hardwood Island site.' To the right of the photographs is a green text box with white text.

The photo layout on the left side of this 2-page spread depicts a small-scale mussel raft culture operation — specifically, the one currently run by the Island Institute.

The right side of the spread shows a larger-scale, more mechanized



**Go Deep**  
Shellfish Aqua

# GDI COTTON BISECT MUSSEL SOCKING



### FEATURES

- Monofilament and slit film polyethylene construction
- Cotton strands bisect square mesh
- Color coded sizing
- Resistant to elongation
- Available in rolls or cut to length

### BENEFITS

- Low cost
- Environmentally friendly
- Prevents loss of product
- Protects against predators
- Facilitates consistent growth

## AVAILABLE SOCKING SIZES

4L-CB	PURPLE	FILL PIPE DIAMETER: 32 mm	VOLUME / m: 0.792 L	SEED SIZE: 6 mm	SEED / M: 600
5L-CB	BLACK	FILL PIPE DIAMETER: 40 mm	VOLUME / m: 1.140 L	SEED SIZE: 9 mm	SEED / M: 600
6XL-CB	GREEN	FILL PIPE DIAMETER: 45 mm	VOLUME / m: 1.552 L	SEED SIZE: 12 mm	SEED / M: 600
7XL-CB	PINK	FILL PIPE DIAMETER: 52 mm	VOLUME / m: 2.027 L	SEED SIZE: 15 mm	SEED / M: 600
8XXL-CB	BLUE	FILL PIPE DIAMETER: 65 mm	VOLUME / m: 3.167 L	SEED SIZE: 19 mm	SEED / M: 600

Ask about our full line  
of aquaculture buoys!



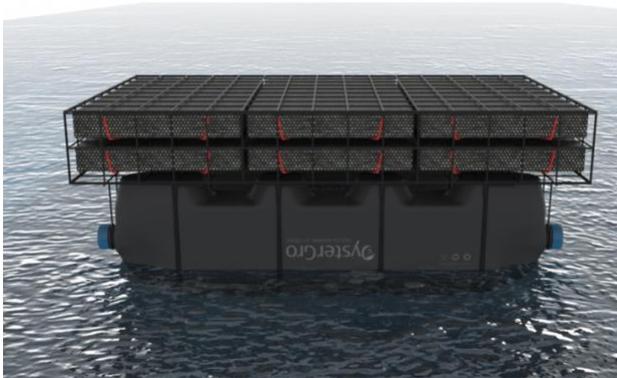
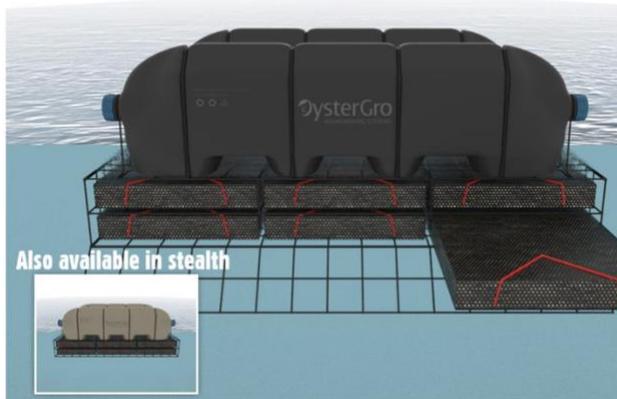
- \* External diameter in millimeters.  
Wall thickness = 1.5mm for all sizes
- \*\* Volume of sock to fill per meter.  
Measured in liters.
- \*\*\* Size of seed. Measure of narrowest  
width.
- \*\*\*\* Approximate density. Number of seed  
per meter of sock. This will vary with  
the seed density obtained in grading.  
Range of 450-600 seed per meter.

**CONTACT US  
TO ORDER:**

TOLL FREE (NORTH AMERICA): 1-877-446-3337  
INTERNATIONAL: 1-506-633-7850

EMAIL: [INFO@GODEEPAQUACULTURE.COM](mailto:INFO@GODEEPAQUACULTURE.COM)  
WEB: [WWW.GODEEPAQUACULTURE.COM](http://WWW.GODEEPAQUACULTURE.COM)

## OysterGro Floating Crates (or similar)



### 18MM OysterGro® Bag

We recommend these bags for grow out in rapid fouling areas.

Closure – Green Bungee with stainless hook



### 14MM OysterGro® Bag

We recommend these bags for grow-out.

Closure – White Bungee with stainless hook



### 9MM OysterGro® Bag

We recommend these bags for grow-out.

Closure – Red Bungee with stainless hook



### 6MM OysterGro® Bag

We recommend these bags for early growing stage.

Closure – Yellow Bungee with Vinyl Strand closure and stainless hook



### 4MM OysterGro® Bag

We recommend these bags for early growing stage.

Closure – Orange Bungee with Vinyl Strand closure and stainless hook

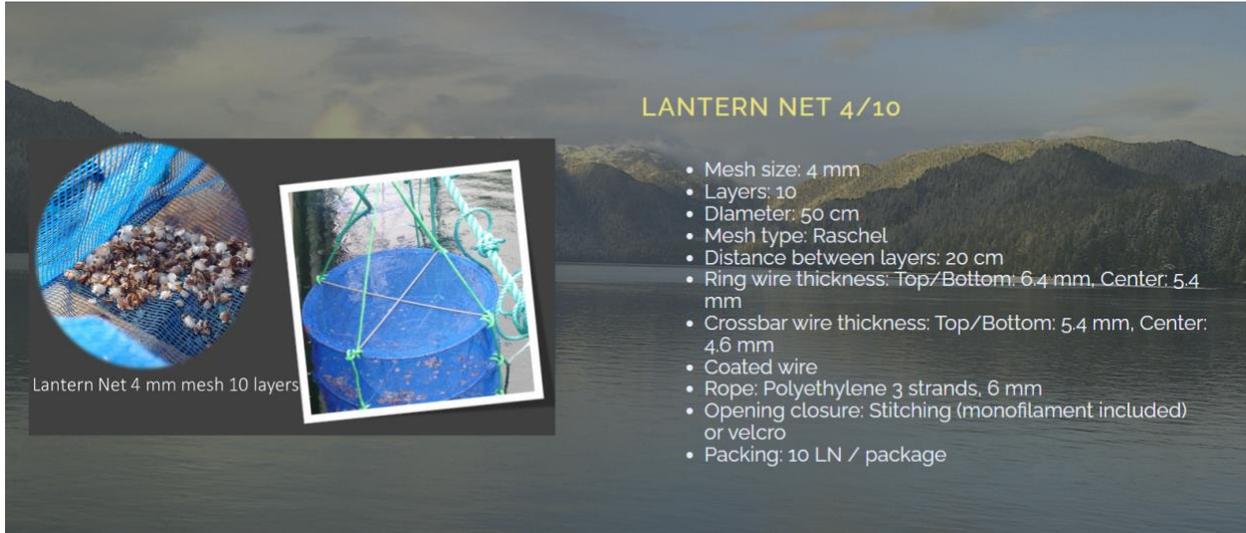


### 2MM OysterGro® Bag

Hatchery oyster cycle – these bags should be used coming out of the hatchery.

Closure – Split Tube Closure

## Lantern Nets (or similar)



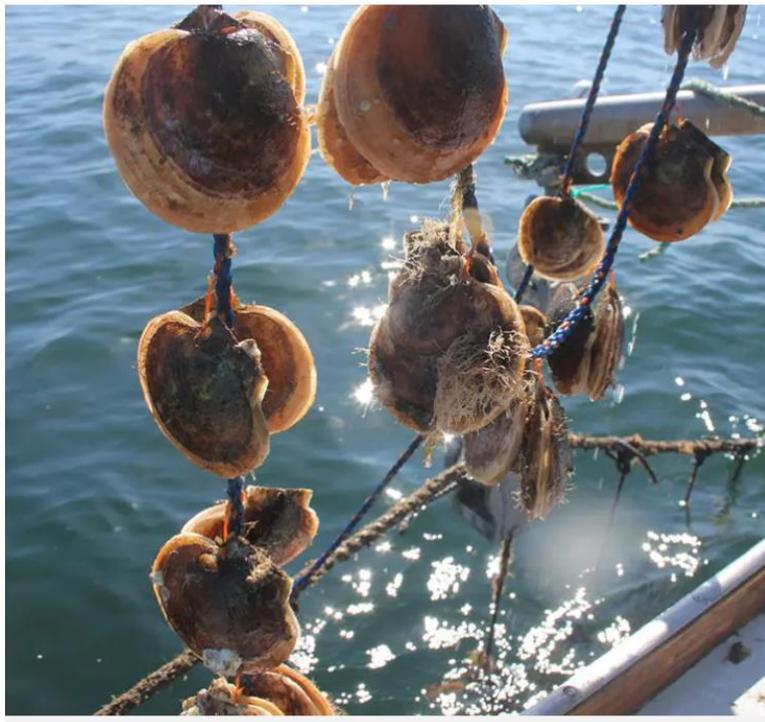
The image shows a lantern net, which is a cylindrical mesh structure used for harvesting scallops. It consists of 10 layers of 4 mm Raschel mesh. The net is suspended by a rope and has a closure at the top. The background is a scenic view of a body of water with mountains in the distance.

**LANTERN NET 4/10**

- Mesh size: 4 mm
- Layers: 10
- Diameter: 50 cm
- Mesh type: Raschel
- Distance between layers: 20 cm
- Ring wire thickness: Top/Bottom: 6.4 mm, Center: 5.4 mm
- Crossbar wire thickness: Top/Bottom: 5.4 mm, Center: 4.6 mm
- Coated wire
- Rope: Polyethylene 3 strands, 6 mm
- Opening closure: Stitching (monofilament included) or velcro
- Packing: 10 LN / package

Lantern Net 4 mm mesh 10 layers

## Ear Hung Scallops Example



**Appendix B – Corporate Application Form**



**MAINE DEPARTMENT OF MARINE RESOURCES**  
 Aquaculture Division, 21 State House Station, Augusta, ME 04333-0021 (207) 624-6567

**CORPORATE APPLICANT FORM**  
**For Standard and Experimental Aquaculture Lease Applications**

Corporations or partnerships that apply for aquaculture leases in the State of Maine must complete this form. Corporations must submit information as requested under A. Corporate Applicant. Partnerships must submit information as requested under B. Partnership Applicant.

**A. Corporate Applicant**

**Note:** You must attach a copy of the Articles of Incorporation (Inc.) or Certificate of Formation (LLC) to your application.

1. Name of Corporation: Greenhead Lobster LLC  
 2. Date of incorporation: 11/17/97 State of incorporation: MAINE

3. List the names, addresses, and titles of all officers:

Name	Address	Title
<u>Hugh Reynolds</u>	<u>598 Beach Rd Deer Isle, ME</u>	<u>OWNER</u>

**Please use additional sheets if necessary and attach to the application.**

4. List the names and addresses of all directors/members:

Name	Address
	<u>N/A</u>

**Please use additional sheets if necessary and attach to the application.**

5. Has the corporation, or any stockholder, director, or officer applied for an aquaculture lease for Maine lands in the past?  Yes  No

If you selected "yes," please indicate who applied for the lease and the status of the application or lease.

6. List the names and addresses of all stockholders who own or control at least 5% of the outstanding stock and the percentage of outstanding stock currently owned or controlled by each stockholder.

Name	Address	Percentage of Owned Stock
	NONE	

**Please use additional sheets if necessary and attach to the application.**

7. List the names and addresses of stockholders, directors, or officers owning an interest, either directly or beneficially, in any other Maine aquaculture leases, as well as the quantity of acreage from existing aquaculture leases attributed to each such person based on the percentage of owned stock listed in question 6. If none, write, "None."

Name	Address	Lease Acronym	Acreage
	NONE		

**Please use additional sheets if necessary and attach to the application.**

8. Has the corporation or any officer, director, member, or shareholder listed in item 5 above ever been arrested, indicted, convicted of, or adjudicated to be responsible for any violation of any marine resources or environmental protection law, whether state or federal?

Yes  No

If you selected "yes", please provide details.

**B. Partnership Applicant**

**Note:** You must attach a copy of either the Certificate of Limited Partnership or documentation of the formation of a General Partnership to your application.

1. Name of Partnership: \_\_\_\_\_

2. Date of formation: \_\_\_\_\_ State of partnership: \_\_\_\_\_

3. List the names, addresses, and ownership shares of all partners:

Name	Address	Ownership Shares

**Please use additional sheets if necessary and attach to the application.**

4. Has the partnership, or any partner applied for an aquaculture lease for Maine lands in the past?  Yes  No

If you selected "yes," please indicate who applied for the lease and the status of the application or lease.

5. List the names and addresses of any partner owning an interest, either directly or beneficially, in any other Maine aquaculture leases, as well as the quantity of acreage from existing aquaculture leases attributed to each such person, based on their ownership shares from question 3.

Name	Address	Lease Acronym	Acreage

**Please use additional sheets if necessary and attach to the application.**

6. Has the partnership or any partner been arrested, indicted or convicted of or adjudicated to be responsible for any violation of marine resources or environmental protection law, whether State or Federal?

Yes  No

If you selected "yes", please provide details.



Filing Fee \$250.00

File No. 19980204DC Pages 3  
 Fee Paid \$ 250.00  
 DCN 1973211800017 LTLC  
 FILED  
 11/17/1997

*Nancy B. Kelleher*  
 Deputy Secretary of State

*Nancy B. Kelleher*  
 Deputy Secretary of State

Pursuant to 31 MRSA §622, the undersigned adopt(s) the following articles of organization:

FIRST: The name of the limited liability company is  
Greenhead Lobster, LLC

(The name must contain one of the following: "Limited Liability Company", "L.L.C." or "LLC"; §603.1.A.)

SECOND: The name of its Registered Agent, an individual Maine resident or a corporation, foreign or domestic, authorized to do business or carry on activities in Maine, and the address of the registered office shall be  
Curtis E. Kimball

(name)

84 Harlow Street, Bangor, ME 04401

(physical location - street (not P.O. Box), city, state and zip code)

84 Harlow Street, P.O. Box 1401, Bangor, ME 04402-1401

(mailing address if different from above)

THIRD: (\*X\* one box only)

A. The management of the company is vested in a member or members.

B. 1. The management of the company is vested in a manager or managers. The minimum number shall be \_\_\_\_\_ managers and the maximum number shall be \_\_\_\_\_ managers.

2. If the initial managers have been selected, the name and business, residence or mailing address of each manager is:

NAME

ADDRESS

_____	_____
_____	_____
_____	_____

Names and addresses of additional managers are attached hereto as Exhibit \_\_\_\_\_, and made a part hereof.

FOURTH: ("X" one box only) These articles may be amended upon approval of the following: (§623.4.)

- A. A majority of the members (if no box is checked, the statute requires that).
- B. A majority in interest of the members.
- C. Other.

FIFTH: Other provisions of these articles, if any, that the members determine to include are set forth in Exhibit \_\_\_\_\_ attached hereto and made a part hereof.

ORGANIZER(S)

DATED November 13, 1997

*C. Kimball*  
(signature)

Curtis E. Kimball  
(type or print name)

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(type or print name)

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(type or print name)

For Organizer(s) which are Entities

Name of Entity \_\_\_\_\_

By \_\_\_\_\_ (authorized signature) \_\_\_\_\_ (type or print name and capacity)

Name of Entity \_\_\_\_\_

By \_\_\_\_\_ (authorized signature) \_\_\_\_\_ (type or print name and capacity)

Name of Entity \_\_\_\_\_

By \_\_\_\_\_ (authorized signature) \_\_\_\_\_ (type or print name and capacity)

THE FOLLOWING SHALL BE COMPLETED BY THE REGISTERED AGENT UNLESS THIS DOCUMENT IS ACCOMPANIED BY FORM MLLC-18 (§607.2).

The undersigned hereby accepts the appointment as registered agent for the above named limited liability company.

REGISTERED AGENT

DATED November 13, 1997

[Signature]  
(signature)

Curtis E. Kimball  
(type or print name)

For Registered Agent which is a Corporation

Name of Corporation \_\_\_\_\_

By \_\_\_\_\_  
(authorized signature)

\_\_\_\_\_  
(type or print name and capacity)

\*Articles must be signed by all organizers (§627.1.A.). The execution of the articles constitutes an oath or affirmation, under the penalties of false swearing under Title 17-A, section 453, that, to the best of the signers' knowledge and belief, the facts stated in the articles are true (§627.3.).

SUBMIT COMPLETED FORMS TO: CORPORATE EXAMINING SECTION, SECRETARY OF STATE,  
101 STATE HOUSE STATION, AUGUSTA, ME 04333-0101  
FORM NO. MLLC-6 Rev. 7/23/96 TEL. (207) 287-4195