

## EXPERIMENTAL LEASE APPLICATION

Application 1

### 1. APPLICANT CONTACT INFORMATION

Applicant	Muscongus Bay Kelp
Contact Person	Lee Moore
Address	P.O. Box 484
City	New Castle
State, Zip	Maine, 04553
County	Lincoln
Telephone	(207) 691-6410
Email	leemoore91011@yahoo.com
Payment Type	<input checked="" type="checkbox"/> Check (included) <input 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	Bristol
Waterbody	Muscongus Bay
General Description (e.g. south of B Island)	Southeast of Louds Island/East of Bar Island
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)
How many pending experimental lease applications (including this one) do you have pending?	<input type="checkbox"/> One (1) <input checked="" type="checkbox"/> Two (2) <i>Note: An applicant may have no more than two pending experimental leases at any time.</i>
Do you have a legal interest in any entity that has a pending experimental application?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" provide the name of the applicant(s): _____

Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>Note: If you selected “Yes”, you need to complete the steps outlined in the section titled: “Landowner/Municipal Permission Requirements”.</i>
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### 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”):	WS
Growing Area Section (e.g. “A1”):	A

**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 your 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.

Name of species to be cultivated (include both common and scientific names):	Name and address of the source of seed stock or juveniles	Maximum number (or biomass) of organisms you anticipate on the site at any given time
1. Sugar Kelp <i>Saccharina latissima</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	75,000 lbs
2. Skinny Kelp <i>Saccharina angustissima</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	75,000 lbs
3. Winged Kelp <i>Alaria esculenta</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	10,000 lbs
4. Horsetail/Fingered Kelp <i>Laminaria digitata</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	10,000 lbs
5. Shotgun Kelp <i>Agarum clathratum</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	10,000 lbs
6. Irish Moss <i>Chondrus crispus</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	5,000 lbs
7. Dulse <i>Palmaria palmata</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	5,000 lbs
8. Nori/Laver <i>Porphyra spp.</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	5,000 lbs

9. Sea Lettuce <i>Ulva lactuca</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	5,000 lbs
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**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)

## 5. VICINITY MAP

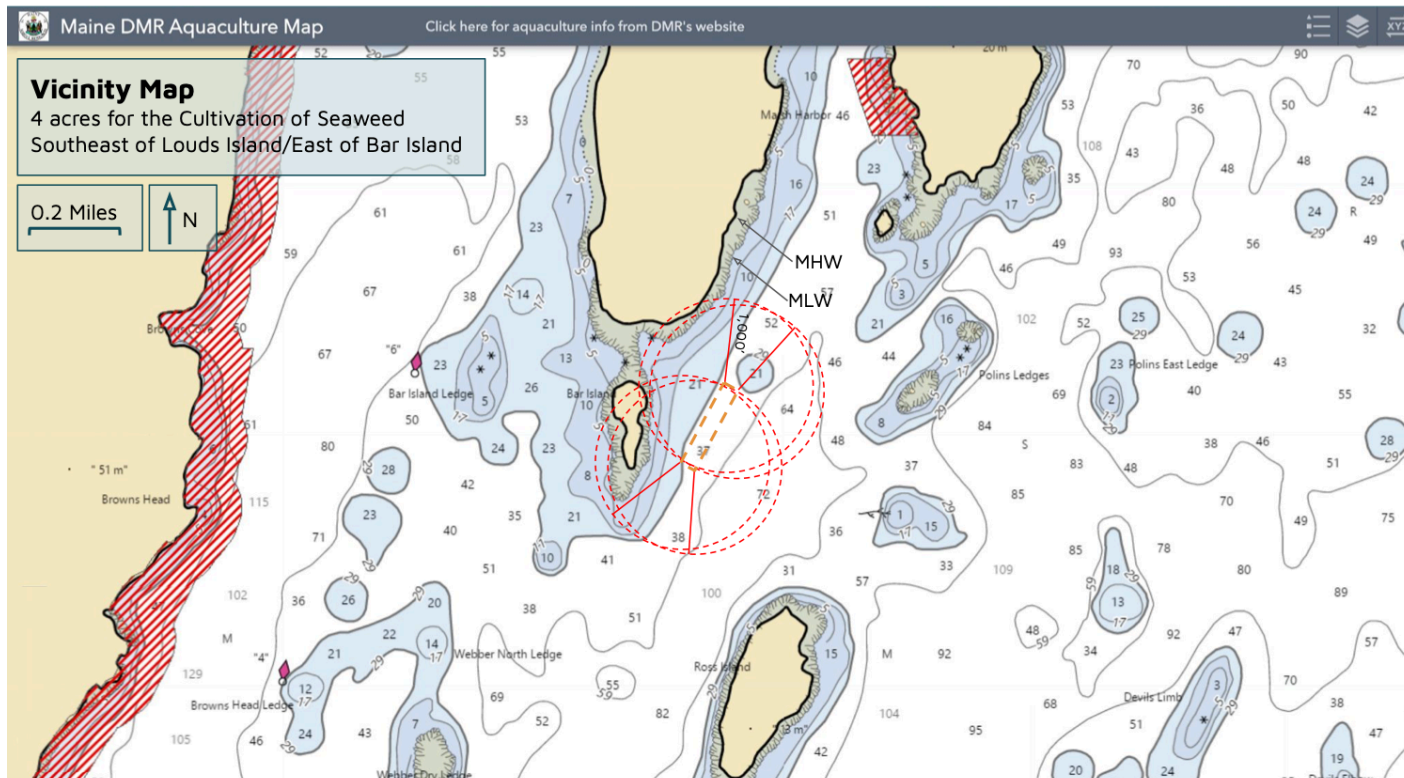
**Note:** If you attach the map, please label it: ‘Vicinity Map’.

**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
- A 1,000 foot radius buffer around each corner

**Figure 1.** *Vicinity Map*



## 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 in decimal degrees (e.g., 43.123456 N, -69.123456 W). 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.

**Figure 2.** *Boundary Drawing*



## 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.

To test the viability of a commercial seaweed farm at the proposed location.

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

The proposed lease would be operational from November 1st to June 15th. Exact species to be seeded will depend on availability and demand, but generally kelp species will be seeded on up to 15 longlines between November and December. Red and green seaweeds will be seeded from January to March. Longline will be submerged approximately 6-8' below the surface (controlled by a depth control device with a float and weight) and spaced 10' apart. After seeding and until harvest commences, the site will be tended at least every two weeks and after any major storm to monitor gear integrity and seaweed growth/biofouling. Harvesting will begin in April and be completed no later than June 15th. During harvest, longlines, crosslines, and depth control devices will be removed from the site. Mooring balls will be removed after harvest, but moorings will remain on the proposed site year-round. Associated chains/lines will be sunk to the seafloor. During the off season, all gear removed from the site will be stored on my personal property.

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

Seeding:

- Kelps: November-December
- Red & Green Seaweeds: January-March

Tending: Approximately the end of December - mid-April (end of seeding to start of harvest)

Harvesting: mid-April-June 15th

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

Seeding:

- Kelps: 1-3 days
- Red & Green Seaweeds: 1-3 days

Harvesting: 5-10 days

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

After seeding until harvest commences, the site will be tended at least every two weeks and after any major storm to monitor gear integrity and seaweed growth/biofouling. The site may be visited more frequently in March and April as growth increases and waters warm to better monitor biofouling.

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

Seaweed will be hauled out of the water using my hydraulic pot hauler and a mast and boom. Using a small knife, seaweed will be cut by hand from the culture line and packed in bags or crates.

**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.

The off season will run from June 16th - October 31st. During this time, all longlines, crosslines, and depth control devices, along with associated buoys and weights, and mooring buoys will be removed from the proposed site and stored on my private property. Mooring will remain in place year round. Mooring lines/chains will be sunk to the seafloor from June 16th - October 31st.

**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?

The only machinery used at the site will be my hydraulic pot hauler which will be utilized 1-3 days during seeding and between 5-10 days during harvest.

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

Not applicable.

**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:

<ul style="list-style-type: none"> <li>• Submerging suspended gear and associated product at a depth sufficient to deter roosting for two weeks before harvest</li> <li>• Attaching physical deterrents (i.e. zip ties) to gear</li> <li>• The site is proposed for the culture of seed only</li> <li>• The site is proposed for the culture of adductor-only scallops (i.e. no other shellfish species would be grown on the site)</li> <li>• 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)</li> </ul>
Not applicable.

**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.

<p>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.</p>
<p><b>1. Commercial Fishing</b></p> <p>During the summer (July to early September), lobstering in the area is moderate to heavy with 25-100 traps being in the vicinity of the site. Lobstering from September to June is minimal to nonexistent. No other commercial fishing occurs in the area.</p>
<p><b>2. Recreational Fishing</b></p> <p>No recreational fishing has been observed in the general vicinity of the proposed site.</p>
<p><b>3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)</b></p> <p>During summer, boating activity in the area is moderate and dominated by commercial fishing vessels hauling traps. Recreational vessels, mainly leaving from Round Pond on the west side of Louds, may also transit through the area during the summer. Boats working or transiting in the area during winter would be very rare.</p>
<p><b>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.)</b></p> <p>Louds Island has a seasonal residential community and preserved lands at its southern tip. At the closest point the proposed site is located approximately 770’ southeast of Louds Island at mean low water. There are no docks or moorings within 1,000’ of the proposed lease.</p> <p>Bar Island is a small, uninhabited island approximately 350’ west of the proposed site at mean low water.</p>



**5. Other uses (kayaking, swimming, etc.)**  
No recreational activities have been observed within 1,000' of the proposed site, but kayaking may rarely occur during the summer.

**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.**  
I do not currently have any existing aquaculture operations, however, I am applying for an additional experimental lease west of Louds Island that will also be used to cultivate seaweed.

**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.**  
Not applicable.

## 10. 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 approximate depths at mean low water are 21 feet at the northern and southern boundaries and deepening to 37 feet near the center of the lease.

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

The approximate depths at mean high water are 31 feet at the northern and southern boundaries and deepening to 47 feet near the center of the lease.

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

The current runs north to south on an outgoing tide at approximately 1-3 knots.

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 is mostly characterized by mud.

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

The bottom of the proposed site gradually increases in depth from the northern and southern boundaries to the center of the proposed lease.

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?

Lobsters and crabs are common in the area during the summer.

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

None known.

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.

Based on coast-wide eelgrass surveys completed by the Maine Department of Marine Resources in 2010 there are no eelgrass beds within 1,000 feet of the proposed lease. I have observed no eelgrass near the site.

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

The shoreline of Louds Island is characterized by a rocky shoreline that gives way to forest and fields. Louds Island has a small seasonal residential community and preserved lands at its southern tip.

Bar Island is a small uninhabited island south of Louds Island. It is rocky with few trees and shrubs.

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.

**G. Describe ice formation in the winter months at the proposed site.**

I have fished and lived in the area for decades and have not observed ice at the proposed location in the last decade.

*Note:* Description of ice should incorporate data such as water temperature or ice out date over a ten-year period or observations over several (no less than 5) recent winters from the harbormaster, a municipal official such as a shellfish warden, local harbor committee, Marine Patrol Officer, fishing/aquaculture industry members, or the applicant. Stating “no ice observed last year” will not be accepted as a complete answer.

#### **11. 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.
- Gear orientation

**Figure 3a. Overhead View - Growing Season**

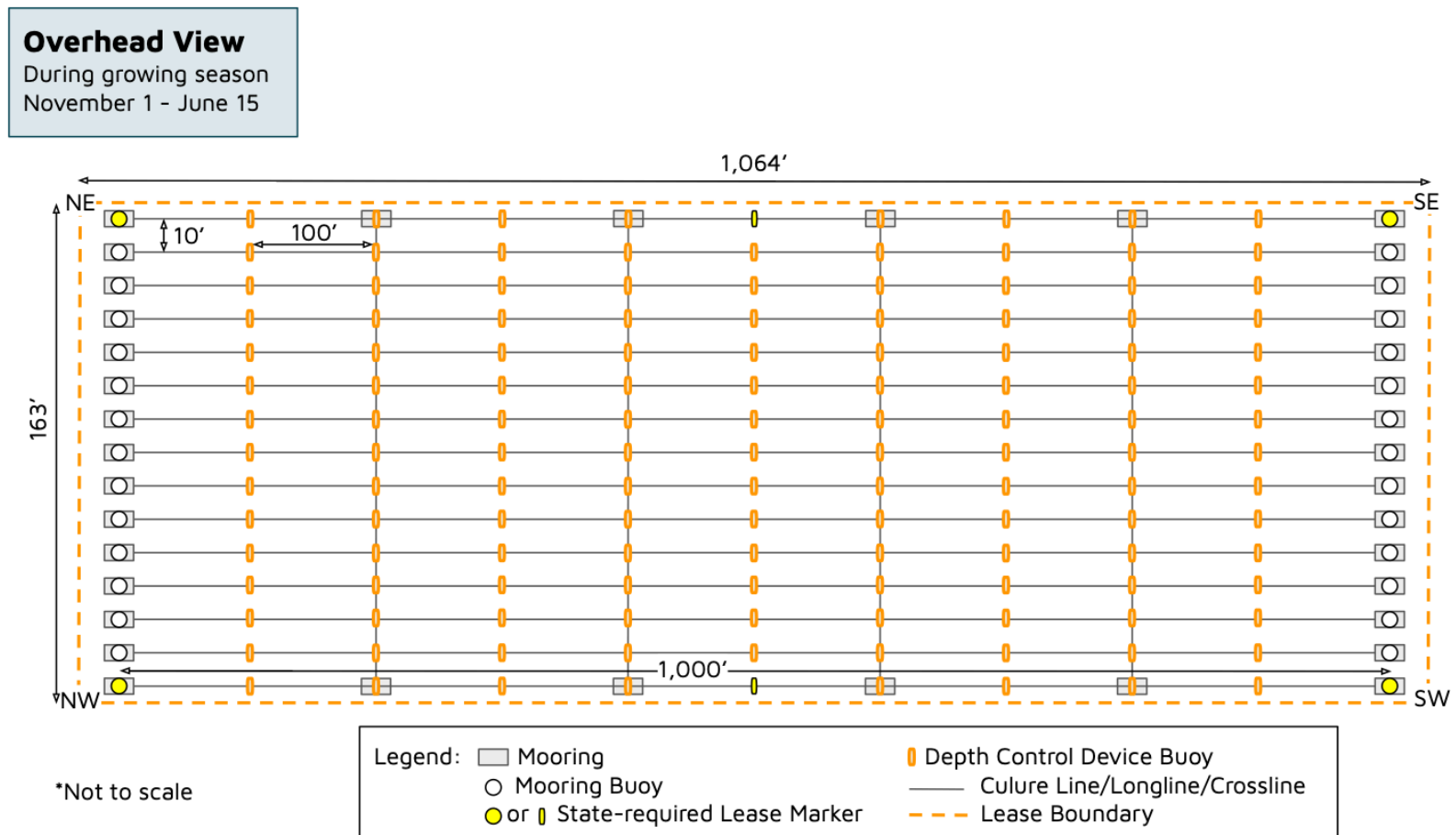
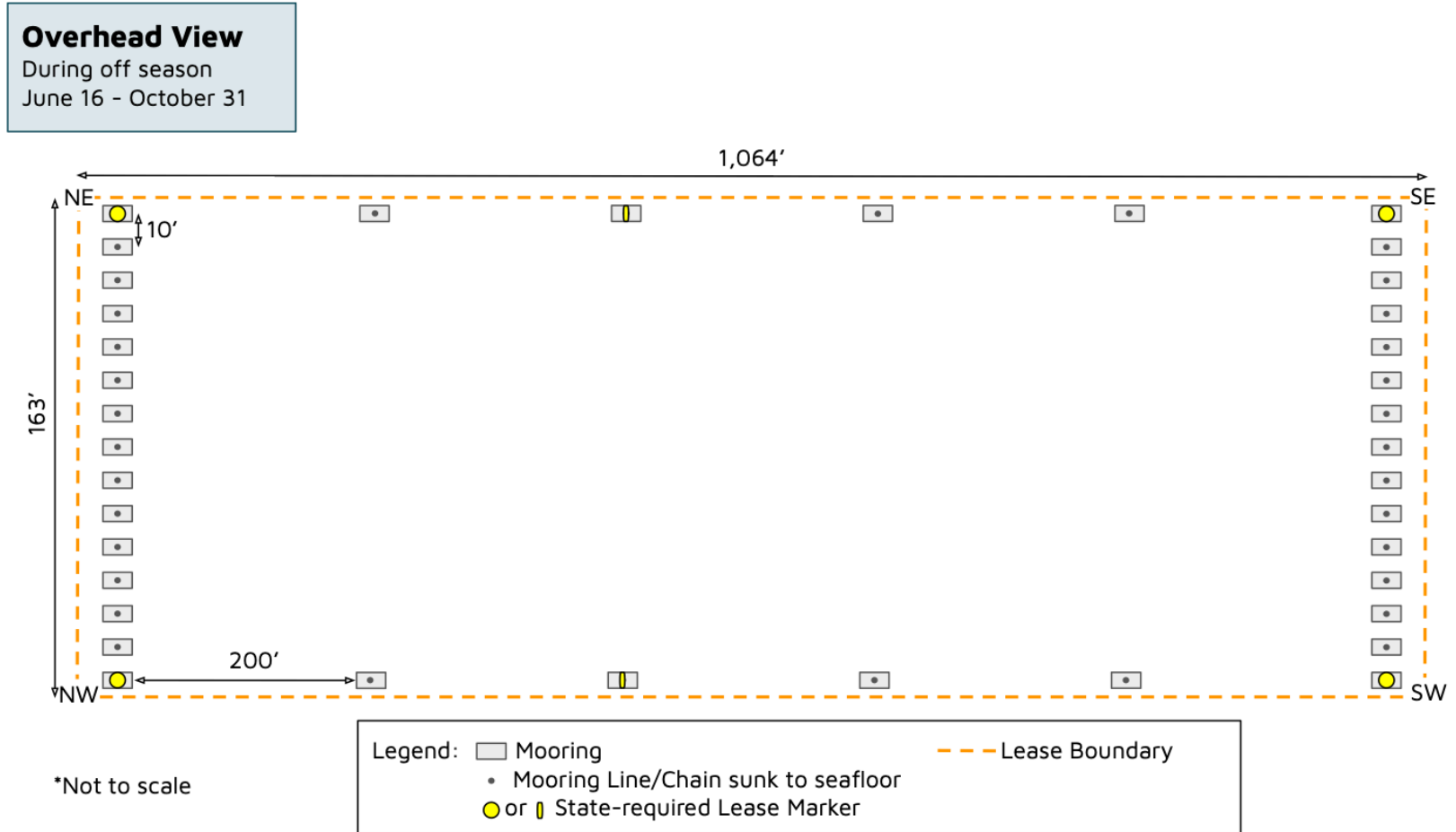


Figure 3b. Overhead View - Off Season



**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).

**Figure 4a. Cross-Section View - Growing Season**

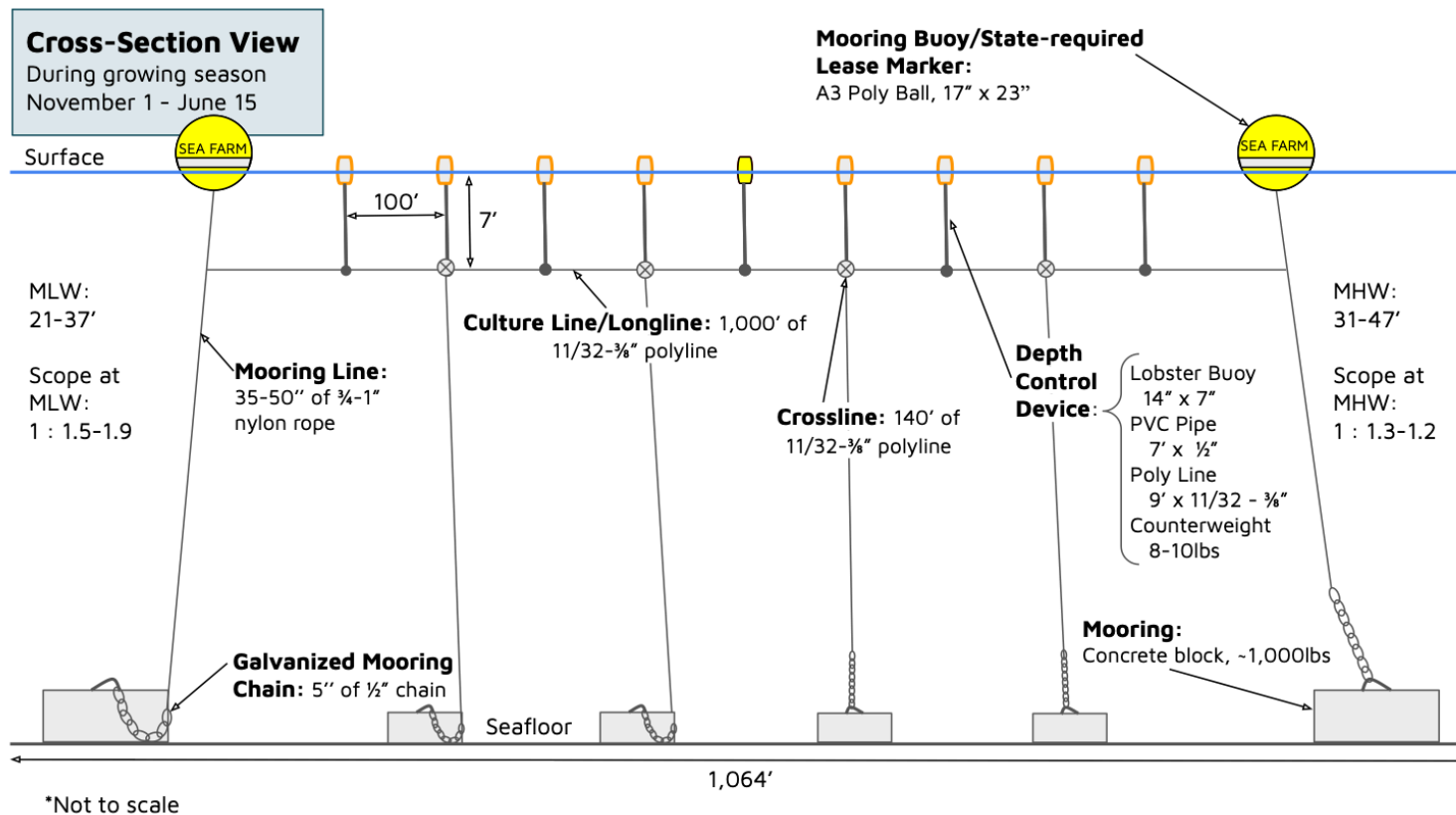
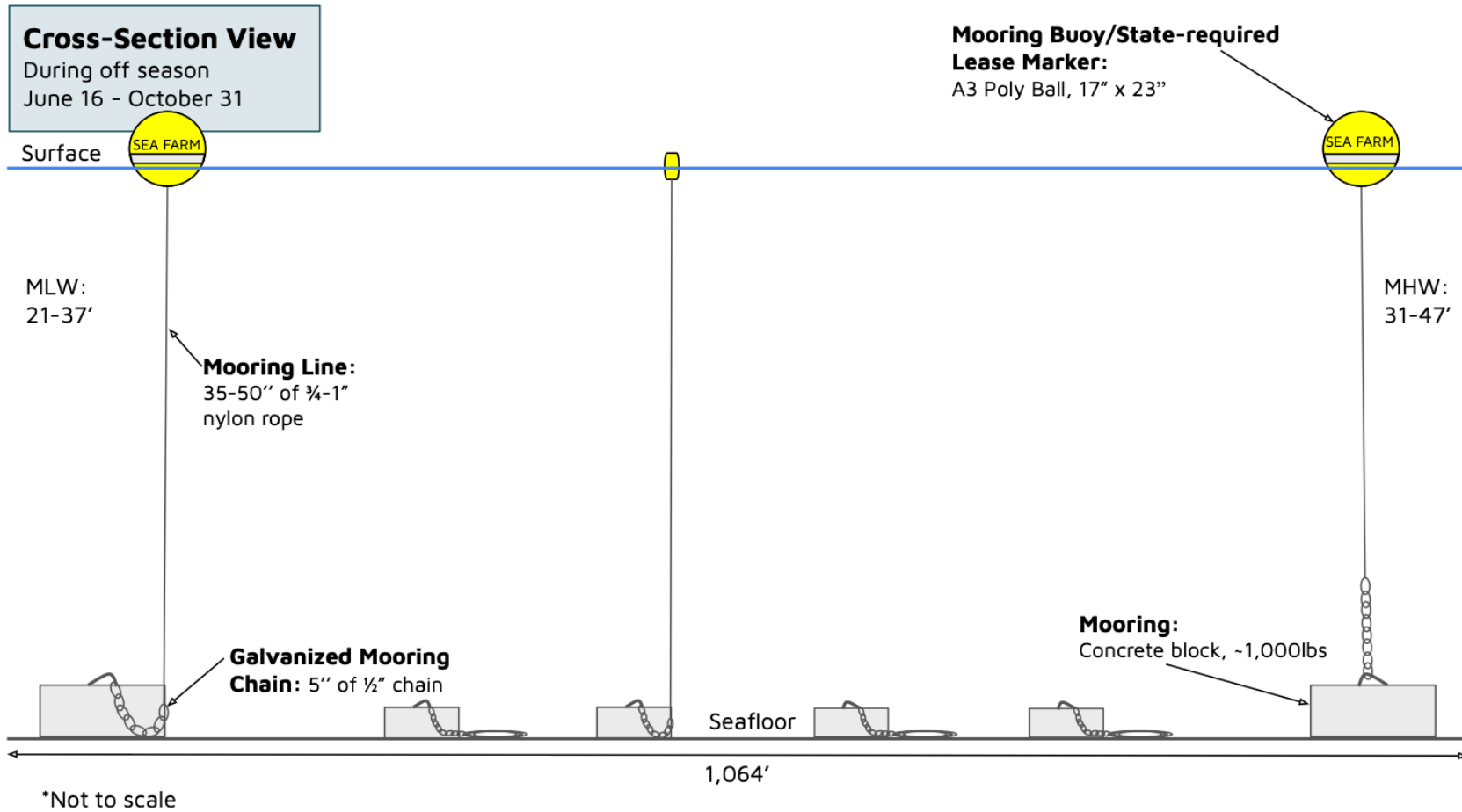


Figure 4b. Cross-Section View - Off Season





### 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>
Culture Line/Longline: poly line	length: 1,000' diameter: 11/32 - 3/8"	Fall-Spring: Nov. 1st - Jun. 15th	up to 15 lines	Marine Algae
Crosslines: poly line	length: 140' diameter: 11/32 - 3/8"	Fall-Spring: Nov. 1st - Jun. 15th	up to 4 lines	Marine Algae
Depth Control Device: Made of a lobster buoy, PVC pipe, poly line, and a counterweight	Lobster Buoy length: 14" width: 7" PVC Pipe length: 7" diameter: 1/2" Poly Line length: 9' diameter: 11/32 - 3/8" Counterweight weight: 8-10lbs	Fall-Spring: Nov. 1st - Jun. 15th	up to 9 per line (maximum of 135 on farm)	Marine Algae
Mooring Buoys: A3 Polyballs	length: 23" width: 17"	Fall-Spring: Nov. 1st - Jun. 15th	34	Marine Algae
State-required Lease Markers: A3 Polyballs (may be replaced by Lobster Buoy in off-season)	Polyball length: 23" width: 17" Lobster Buoy length: 14" width: 7"	Year-round	6 (one on each corner of the lease and one on each long side of the lease boundary)	Marine Algae
Nylon Mooring Line	length: 35-50' diameter: 3/4"-1"	Year-round - All lines sunk to seafloor from Jun. 16 - Oct. 31, except for lines attached to state-required lease markers.	up to 38	Marine Algae


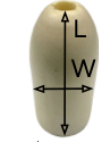




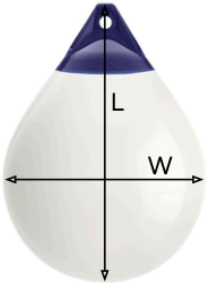



Galvanized Mooring Chain	length: 5' diameter: ½"	Year-round - All chains sunk to seafloor from Jun. 16 - Oct. 31, except for chains attached to state-required lease markers.	up to 38	Marine Algae
Moorings: concrete blocks	up to 1,000 lbs	Year-round	up to 38	Marine Algae

**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.).

**Figure 5. Gear Drawing**

**Gear Drawing**

<p><b>Culture Line/ Longline &amp; Crosslines:</b> polyline length: longlines -1,000’; crosslines - 140’ diameter: 11/32 - 3/8”</p> 	<p><b>Depth Control Device:</b></p> <p>Lobster Buoy length: 14” width: 7”</p>  <p>PVC Pipe length: 7’ diameter: 1/2”</p>  <p>Poly Line length: 9’ diameter: 11/32 - 3/8”</p>  <p>Counterweight weight: 8-10lbs</p> 	<p><b>Nylon Mooring Line:</b> length: 35-50’ diameter: 3/4-1”</p> 
<p><b>Mooring Buoys:</b> A3 polyball width: 17” length: 23”</p>  <p>lobster buoy length: 14” width: 7”</p> 	<p><b>Galvanized Mooring Chain:</b> length: 5’ diameter: 1/2”</p> 	<p><b>Mooring:</b> Concrete block Weight: ~1,000lbs Length: 4’ Width: 2’ Height: 1’</p> 

\*A3 Polyballs may be replaced by Lobster Buoy in off-season

## 12. 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. 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.

### 13. 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>
3. If any portion of the site is intertidal you need to complete the steps outlined in “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 “Landowner/Municipal Permission Requirements” of this application.

C. How (i.e. where on shore) will you access the proposed site?

The proposed site will be accessed via my fishing boat and/or skiff moored in Back Cove, New Harbor, Maine.

Figure 6. Tax Map: Unorganized Territory - Louds Island (aka Muscongus Island)

**Tax Map**  
Unorganized Territory - Louds  
Island (aka Muscongus Island)



**RIPARIAN LANDOWNER 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: Unorganized Territory - Louds Island (aka Muscongus Island)**

MAP #	LOT #	Landowner name(s) and address(es)
LI002	33	Maine Coast Heritage Trust 1 Bowdoin Mill Island, STE 201 Topsham, ME 04086

**Please use additional sheets if necessary and attach hereto.**

**CERTIFICATION**

I, Catherine Batchelder, Town Clerk for the Town of unorganized Territory 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: Catherine Batchelder DATE: 4/10/2024

#### 14. 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*) Lee Moore 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.

*Lee A Moore*

Jan 17 2024

**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*) \_\_\_\_\_ 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.*



## 15. 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: Lee Moore \_\_\_\_\_

Title (*if corporate applicant*): \_\_\_\_\_

Signature: Lee A Moore Date: Jan 17 2024 \_\_\_\_\_

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.



November 9, 2023

Department of Marine Resources  
Attn: Aquaculture Division  
21 State House Station  
Augusta, Maine 04333-0021

Dear Aquaculture Division of the Department of Marine Resources,

I am writing in support of Lee Moore's experimental lease application located in Muscongus Bay in the waters of Bristol.

Our mission at Atlantic Sea Farms (ASF) is focused on providing diversified income opportunities for Maine fishermen through seaweed farming. We currently work with 30 partner farmers throughout the coast of Maine – most of whom are commercial fishermen or professional aquaculturists. As a result of these partnerships the US' sustainable kelp aquaculture sector has been led by Maine's hard working fishermen, coastal communities have benefited from economic development, and seaweed cultivation has aided in removing carbon and nitrogen and in mitigating ocean acidification in our local coastal waters.

We believe that Mr. Moore will be a responsible farmer and that their work will have a positive economic impact on their community. We have worked with Mr. Moore to find a site that does not negatively impact commercial or recreational fishing, recreational activities, landowner access, or other aquaculture operations. As part of Mr. Moore's partnership with ASF, in addition to lease application support, we will provide technical assistance, supply native kelp seeds from our state of the art cultivation center for permitted species free of charge, and guarantee purchase of 100% of seaweed grown.

I thank you for your time. Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Liz MacDonald".

Liz MacDonald  
Seaweed Supply Director  
[lmacdonald@atlanticseafarms.com](mailto:lmacdonald@atlanticseafarms.com)

Atlantic Sea Farms  
20 Pomerleau St.  
Biddeford, ME 04005