

## EXPERIMENTAL LEASE APPLICATION

### 1. APPLICANT CONTACT INFORMATION

Applicant	Outer Limits, Inc.	
Contact Person	Joseph Libby	
Address	P.O. Box 75	
City	Beals	
State, Zip	ME, 04611	
County	Washington	
Telephone	(207) 598-6383	
Email	jtlibby21@gmail.com	
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	Beals
Waterbody	Eastern Bay
General Description (e.g. south of B Island)	Northwest of Green Island
Lease Information	
Total acreage (4-acre maximum) and lease term (3-year maximum) requested	3.98 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 checked="" type="checkbox"/> One (1) <input 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>

### 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"):	EN
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
<b>Kelps</b>		
1. Sugar Kelp ( <i>Saccharina latissima</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04093	80,000 lbs
2. Skinny Kelp ( <i>Saccharina angustissima</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04093	80,000 lbs
3. Winged Kelp ( <i>Alaria esculenta</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04093	25,000 lbs
4. Horsetail Kelp ( <i>Laminaria digitata</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04093	25,000 lbs
5. Shotgun Kelp ( <i>Agarum clathratum</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04093	10,000 lbs
<b>Red Seaweeds</b>		
6. Irish Moss ( <i>Chondrus crispus</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04093	5,000 lbs
7. Dulse ( <i>Palmaria palmata</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04093	5,000 lbs
<b>Green Seaweed</b>		
8. Sea Lettuce ( <i>Ulva fenestrata</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04093	5,000 lbs

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

See **Figure 1. Vicinity Map** on page 17.

## **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.

See **Figure 2. Boundary Drawing** on page 18.

## 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 purpose of this study is to trial the viability of a commercial-scale seaweed farm northwest of Green Island in the town of Beals.

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

The proposed site will be operational from November 1<sup>st</sup> to June 10<sup>th</sup>. Kelp will be outplanted on lines no earlier than November 1<sup>st</sup>, but more commonly between mid-November and early December. Red and green seaweeds will be outplanted between mid-November and March. Exact species and ratios will be determined by availability and demand. Lines with seeded seaweeds will be suspended approximately 7 feet underwater and will be spaced a minimum of 10 feet apart. The farm site will be monitored from seeding until harvest to ensure gear integrity and crop quality. Harvesting will occur between May 1<sup>st</sup> and June 10<sup>th</sup>. During harvest, seeded lines will be removed from the water and the crop will be harvested into bags or crates. The site will be out of operation from June 11<sup>th</sup> to October 31<sup>st</sup>, annually. During this period only the six state-required lease markers and associated mooring lines and chains will be on site. All other gear will be removed from the site during the off season and will be stored on my private property.

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

**Seeding:** Kelp will be outplanted on lines no earlier than November 1<sup>st</sup>, but typically between mid-November and early December. Red and green seaweeds will be outplanted between mid-November and March.

**Tending:** Tending and maintenance will take place from the end of seeding to the start of harvest, approximately December to May.

**Harvesting:** Harvesting will occur between May 1<sup>st</sup> and June 10<sup>th</sup>, ideally finishing the first week of June each season, but may continue until June 10<sup>th</sup>.

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

**Seeding:** Kelp seeding will take 1-3 days. It will take an additional 1-2 days to seed the green and red seaweeds. Each day will vary slightly depending on the weather, between 5-8 hrs spent at the site is typical.

**Harvesting:** Harvesting will take 5-10 days. Each day will vary slightly depending on the weather, between 5-8 hrs per day spent at the site is typical.

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

From outplant until the start of harvest, approximately December through May, the proposed site will be visited at least once every other week to tend to equipment and monitor for growth and fouling. Additional time will be spent on site after any major storm, to mend any damage, and in the spring, to add weight or buoyancy to the longlines, as needed. Typically, these are short visits lasting 1-3 hours.

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

Seeded lines will be hauled onto my boat using a mast and boom and deck-mounted hauler. The crew will cut the seaweed from the lines with knives and pack it into bags or crates. At the time of harvest the grow lines, crosslines, and depth control devices will be removed from the water. The remaining gear, except for the state-required lease markers, moorings, and associated mooring lines and chains, will be removed from the site shortly after all seaweed has been harvested and before June 10<sup>th</sup> annually. All gear will be taken ashore and stored on my private property.

**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 site will be out of operation from June 11<sup>th</sup> to October 31<sup>st</sup>, annually. During this period, only the state-required lease markers and their associated moorings, mooring lines, and chains will be on site. All gear removed from the site during the off season will be stored ashore on my private property.

**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?**

During seeding a deck-mounted hauler will be used for a couple of hours for approximately 1-3 days to tension lines. During harvest the hauler will be used daily, for 5-10 days total, to haul grow lines out of the water. Noise will be very minimal and no greater than noise associated with common commercial fishing activities in the area.

**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:

- 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)

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.

**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

Lobstering is common throughout the area and heaviest from mid-June to late October. During the summer, four to five boats may fish on the lease or in the nearby vicinity. From November to early June, fishing activity is greatly reduced, and lobstering is rare in and around the proposed lease.

### 2. Recreational Fishing

Recreational fishing is not common in this area, and I have not personally observed it on or near the proposed lease.

<b>3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)</b>
Boating activities are very minimal on and around the proposed lease. Boats normally navigate through Eastern Bay using the marked eastern channel located over 3,000' east of the proposed site. Boating activity on and around the proposed lease site is mostly composed of commercial fishing boats targeting lobsters from mid-June to late October and boats owned by Cooke Aquaculture traveling to their fish pen leases in the bay.
<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>
There are no shorefront property owners or ingress/egress points within 1,000' of the proposed lease site.
<b>5. Other uses (kayaking, swimming, etc.)</b>
I have observed kayaking on and near the site during the summer months. I have not observed any other recreational activities.

<b>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.</b>
No.

<b>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.</b>
No.

<b>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: <a href="https://www.maine.gov/dmr/aquaculture/leases/index.html">https://www.maine.gov/dmr/aquaculture/leases/index.html</a></b>
Yes, the standard aquaculture lease site EASTW SI is located approximately 760' northeast of this proposed experimental lease. EASTW SI is currently in the process of being renewed.

## 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.

Not applicable.

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 depth at mean low water is 32-40’.

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

The depth at mean high water is 43-51’.

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

The current runs roughly northwest to southeast at a maximum of 1-2 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 of the proposed site is composed mainly of mud.

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

The bottom of the proposed site is mostly flat with a gradual increase in depth from the southern to northern boundary and from the western to eastern boundary.



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, crabs, seals, seagulls, and sea ducks are all fairly common. I have seen harbor porpoises on rare occasions.
4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.
I am not aware of any shellfish beds or fish migration routes in the surrounding area.
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.
<p>I have lived and fished in the area my entire life and have not observed any eelgrass within the boundary of the proposed lease. Additionally, eelgrass beds are generally observed in shallow waters in which light can penetrate to support photosynthesis. The proposed site is at an approximate depth of 32-40' feet at mean low water which is not an ideal depth for eelgrass.</p> <p>Based on a coast-wide eelgrass survey completed by the Department of Marine Resources in 2010, there are no eelgrass beds within 1,000' of the proposed lease site.</p>
6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)
There is no land within 1,000' of the proposed lease. The nearest land, Green Island, is an uninhabited rocky outcropping with some upland shrubbery approximately 1,100' to the southeast of the proposed site at mean low water.

<p>E. Is your proposed lease located within a Maine Department of Inland Fisheries and Wildlife designated Essential Habitat?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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**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 lived and fished in this area my entire life and have never observed any ice near this location in at least a decade, if not longer.

**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

See **Figure 3a. Overhead View during the Growing Season** & **Figure 3b. Overhead View during the Off Season** on pages 19 and 20, respectively.

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 **Figure 4a. Cross-Section View during the Growing Season** & **Figure 4b. Cross-Section View during the Off Season** on pages 21 and 22, respectively.

### C) Gear Description

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

<b>Specific Gear Type</b> (e.g. soft mesh bag)	<b>Dimensions</b> (e.g. 16"x20"x2")	<b>Time of year gear will be deployed</b> (e.g. Spring, Winter, etc.)	<b>Maximum amount of this gear type that will be deployed on the site</b> (i.e. 200 cages, 100 lantern nets, etc.)	<b>Species that will be grown using this gear type</b>
Grow Lines/Longlines - poly line	1,000' lengths of 11/32" - 1/2" diameter rope	Nov. 1 <sup>st</sup> - Jun. 10 <sup>th</sup>	up to 15 lines	Marine Algae
Crosslines - polyline	150' lengths of 11/32" - 1/2" diameter rope	Nov. 1 <sup>st</sup> - Jun. 10 <sup>th</sup>	up to 3 lines	Marine Algae
Mooring Buoys/State-required Lease Markers - LD-3 low drag buoys	12.7" x 29"	Mooring Buoys: Nov. 1 <sup>st</sup> - Jun. 10 <sup>th</sup>  State-required Lease Markers: year-round	Mooring Buoys: up to 34  State-required Lease Markers: 6	Marine Algae
Depth Control Devices - foam lobster buoy connected to a counterweight by polyline encased by PVC	Go Deep Buoy: 20"x7.5"  PVC Pipe: 7' lengths of 1/2" diameter pipe  Poly line: approx. 9' lengths of 11/32" - 1/2" line  Counterweight: ~8-10 lbs	Nov. 1 <sup>st</sup> - Jun. 10 <sup>th</sup>	up to 15 buoys per longline (up to 225 buoys total)	Marine Algae

Mooring Lines - nylon rope	For mooring buoys: 45-55' lengths of ¾"-1" diameter rope  For lease marking buoys: 40-50' lengths of ¾"-1" diameter rope	For mooring buoys: Nov. 1 <sup>st</sup> - Jun. 10 <sup>th</sup>  For lease marking buoys: year-round	For mooring buoys: up to 34  For lease marking buoys: 6	Marine Algae
Mooring Chains - galvanized chain	5' of ½" diameter chain	For mooring buoys: Nov. 1 <sup>st</sup> - Jun. 10 <sup>th</sup>  For lease marking buoys: year-round	For mooring buoys: up to 34  For lease marking buoys: 6	Marine Algae
Moorings - Concrete block	For mooring buoys: 1,000 lbs, 4'x2'x1'  For lease marking buoys: 100 lbs, 1'x1'x1'	For mooring buoys: Nov. 1 <sup>st</sup> - Jun. 10 <sup>th</sup>  For lease marking buoys: year-round	For mooring buoys: up to 34  For lease marking buoys: 6	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.).

See **Figure 5. Gear Drawing** on page 23.

## 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, but requesting exemption from marking from June 11<sup>th</sup> to October 31<sup>st</sup>** ☐ No

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

Although I am able to mark my site year-round in accordance with DMR regulations, and as shown in **Figures 3b** and **Figures 4b**, I am requesting an exemption from marking the site during the off season from June 11<sup>th</sup> to October 31<sup>st</sup>. During this period, the site would not be in operation and no other gear would be present.

As noted in Section 8-A1, lobstering is common throughout this area from mid-June to late October. I have modified my seeding and harvesting seasons to ensure that aquaculture gear and seaweed will not be present on the site during the heaviest fishing periods. However, in conversations with my community, there has been significant support to see full removal of all gear from the lease site during the off season. Removal of the required lease markers during the off season would limit potential negative interactions with lobster gear and my community.

As there is precedent for the Department to provide exemptions from the year-round marking rule in order to limit navigational conflicts, I hope we can find a balance between uses for the proposed site.

**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?

I will access the proposed site in my fishing boat or skiff kept in Beals marina.

## 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:** \_\_\_\_\_

MAP #	LOT #	Landowner name(s) and address(es)

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

### **CERTIFICATION**

I, \_\_\_\_\_, Town Clerk for the Town of \_\_\_\_\_ 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:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

#### 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) Joseph Libby 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.

*Joseph Libby*

Dec 12 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: Joseph Libby

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

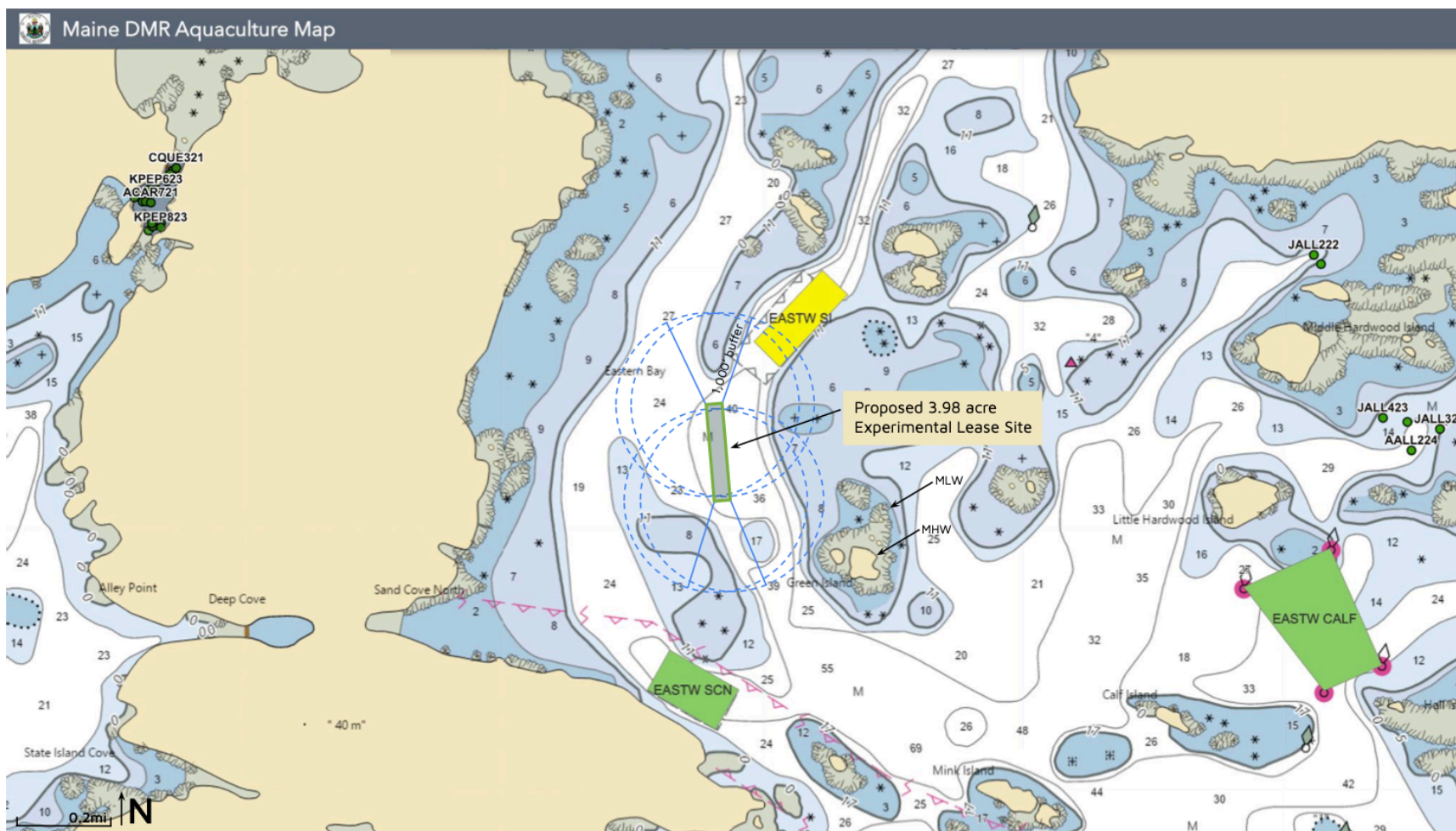
Signature: Joseph Libby Date: Dec 12 2024

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.

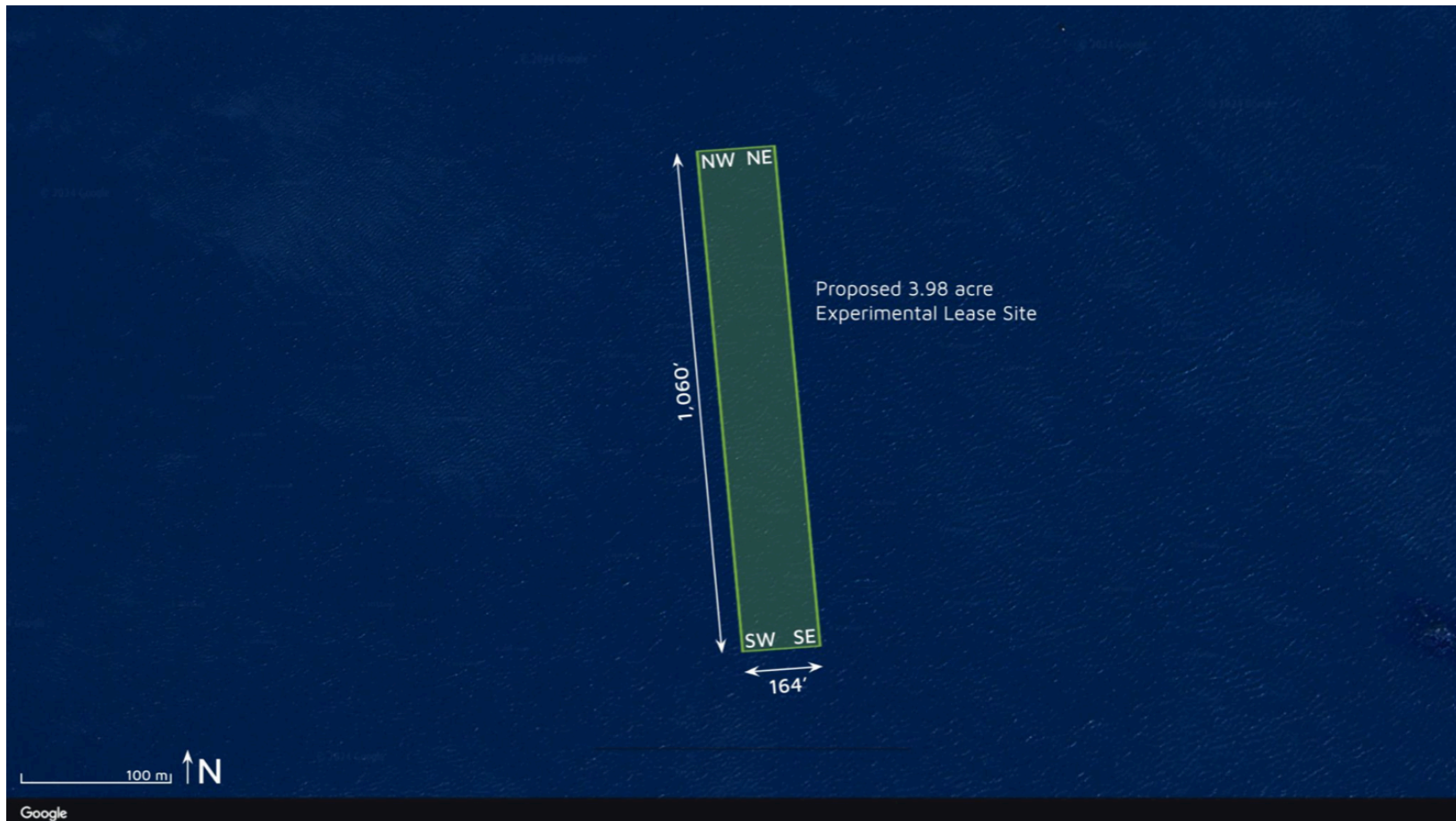
### Note:

- 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.



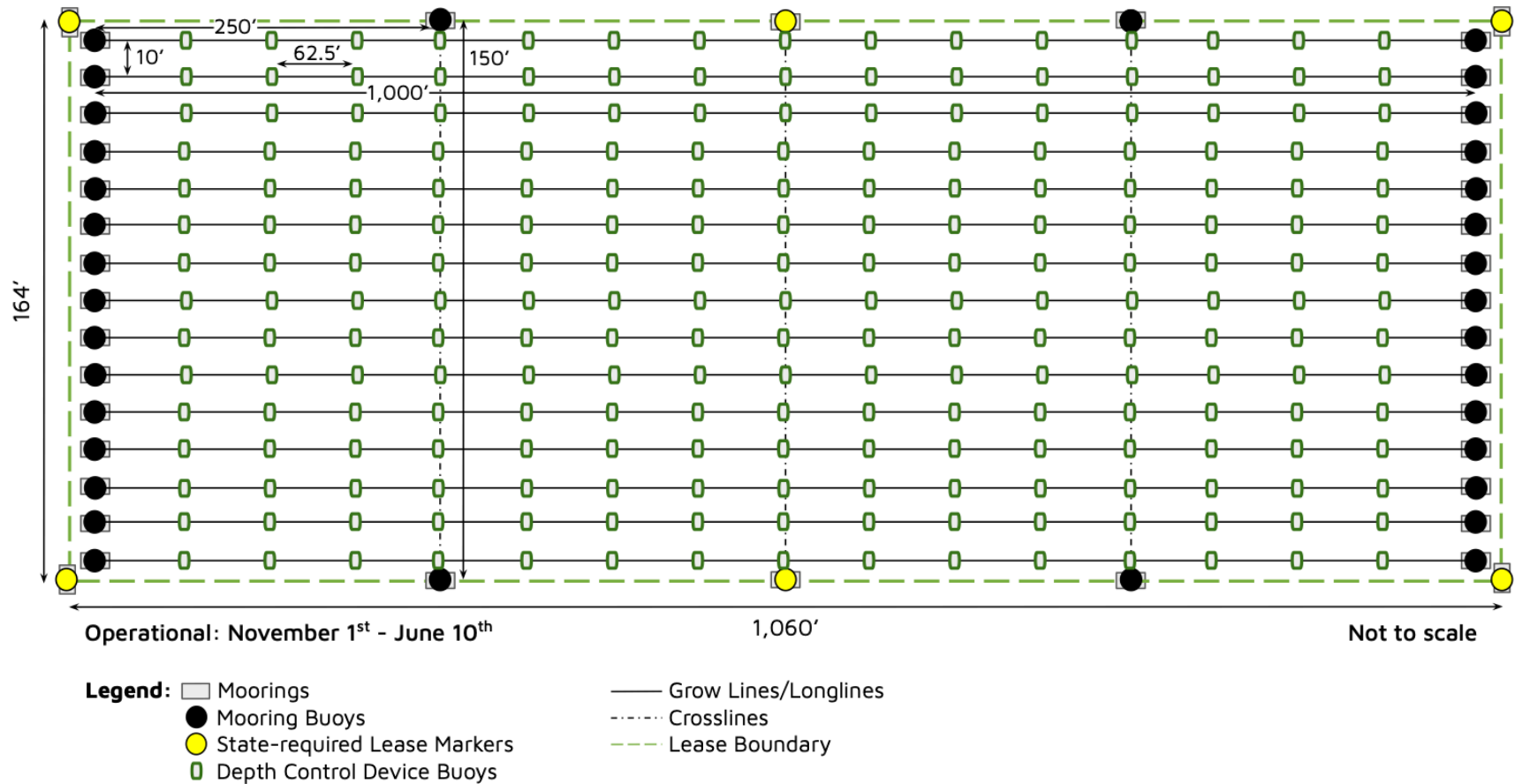


**Figure 1.** *Vicinity Map* - Proposed 3.98 acre experimental lease site for the commercial cultivation of marine algae in Eastern Bay, Beals, Maine. Blue dashed circles represent a 1,000 foot radius buffer around each corner of the lease.

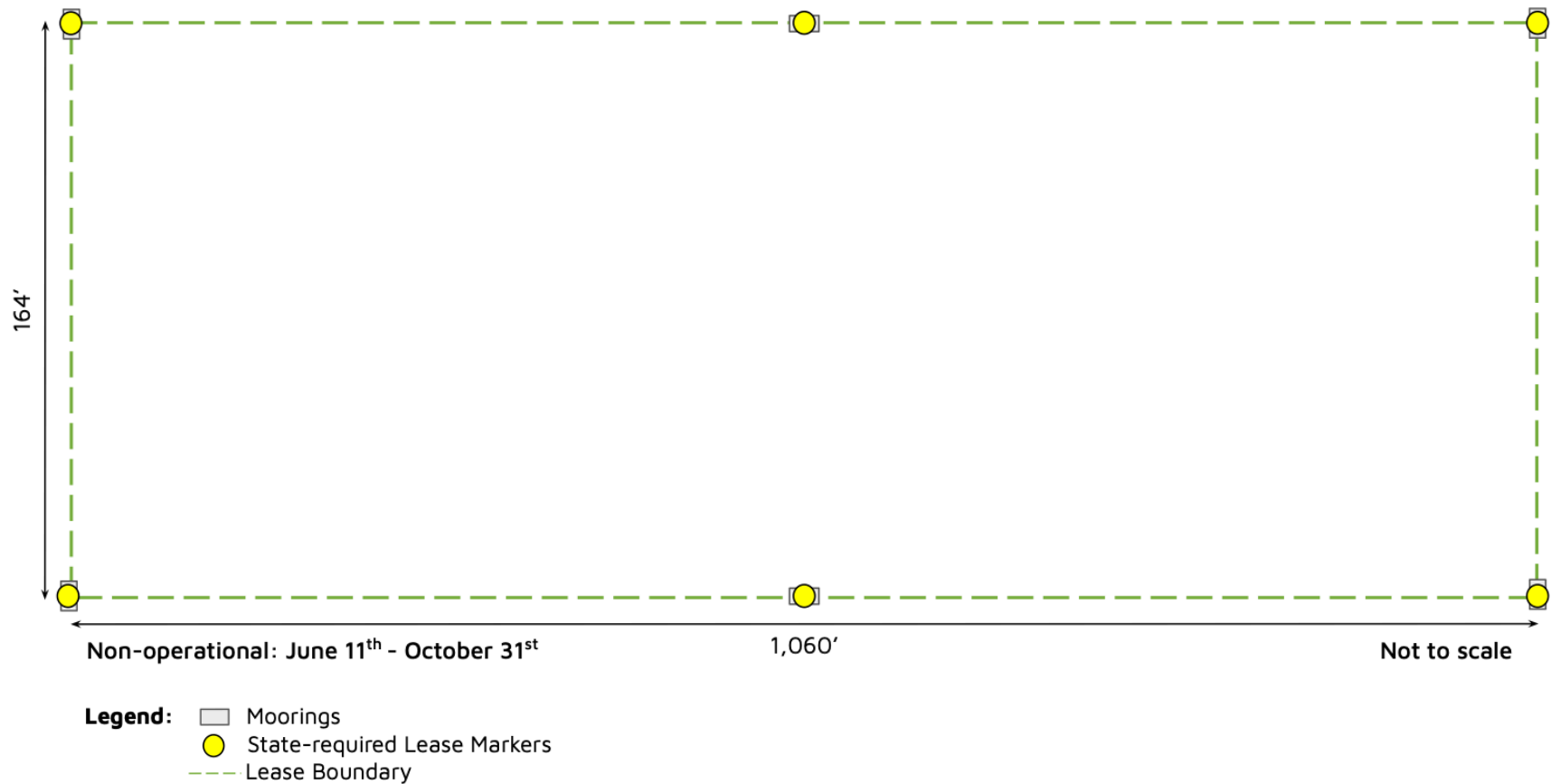


**Figure 2.** *Boundary Drawing* - Proposed 3.98 acre experimental lease site, 1,060' x 164', for the commercial cultivation of marine algae. Coordinates for each lease corner (below) are listed in decimal degrees and were determined using WGS84.

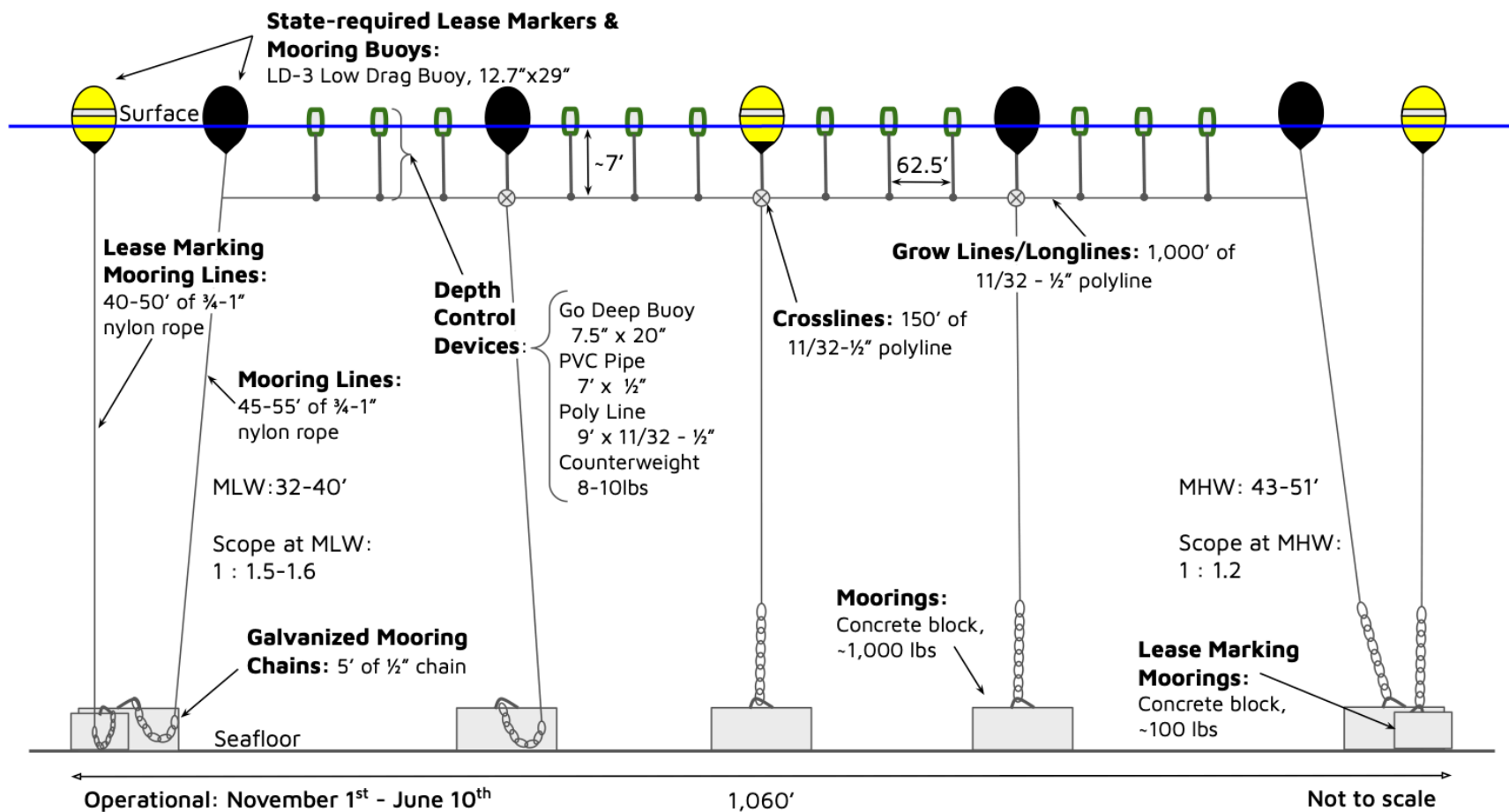
NW corner: 44.5002, -67.57928  
NE corner: 44.50023, -67.57866  
SE corner: 44.49735, -67.57829  
SW corner: 44.49731, -67.57891



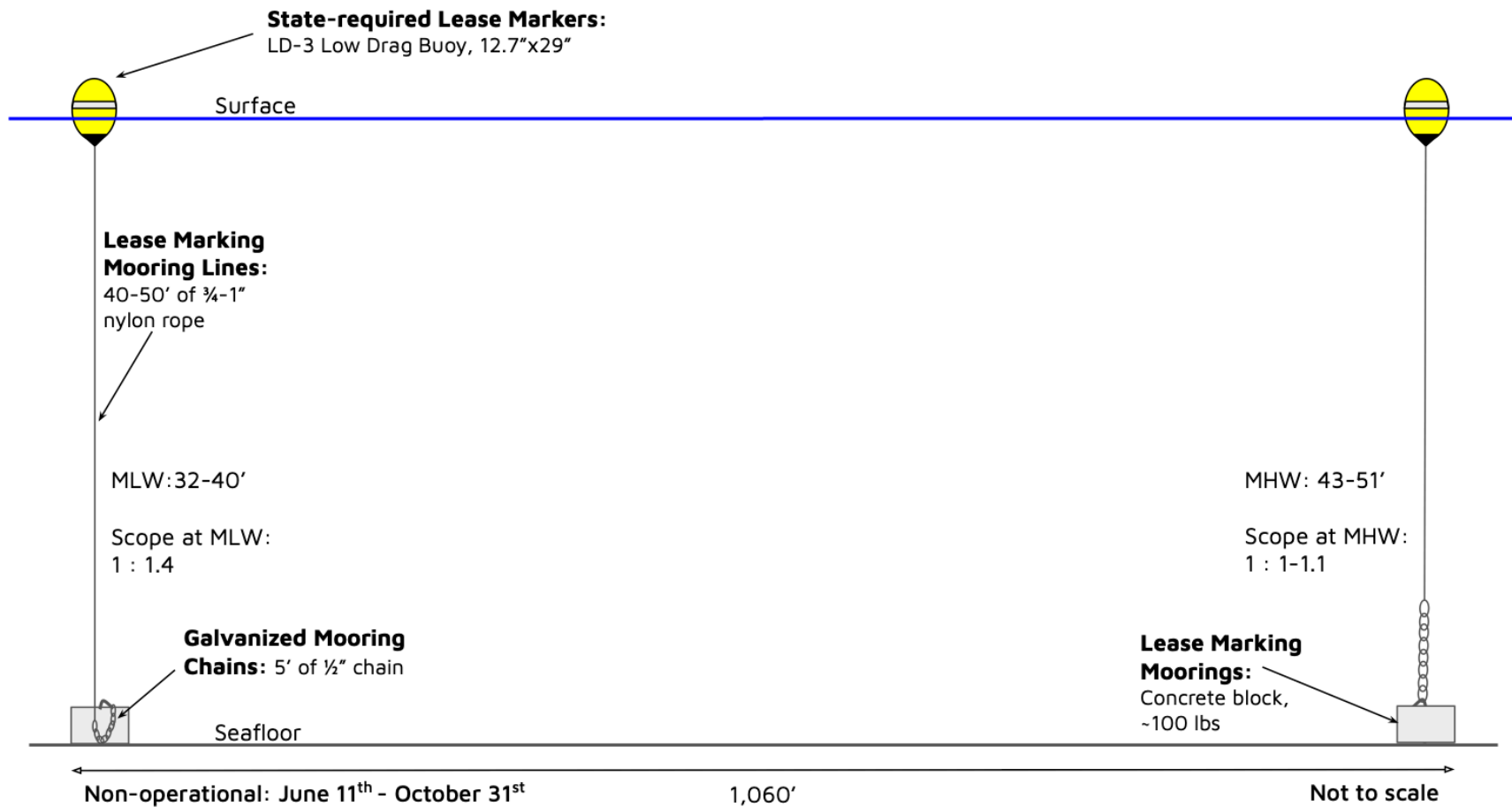
**Figure 3a. Overhead View during the Growing Season** - Maximum gear layout for the proposed experimental lease site during the growing season. The site will be operational no earlier than November 1<sup>st</sup> and no later than June 10<sup>th</sup>.



**Figure 3b.** *Overhead View during the Off Season* - All gear, except for the six state-required lease markers and associated moorings, lines, and chains, will be removed from the site during the off season. The site will be non-operational annually between June 11<sup>th</sup> and October 31<sup>st</sup>.



**Figure 4a.** *Cross-Section View during the Growing Season* - Profile of gear depicting one longline and state-required lease markers as viewed from the eastern or western boundary of the proposed experimental lease site during the growing season. The site will be operational no earlier than November 1<sup>st</sup> and no later than June 10<sup>th</sup>.



**Figure 4b.** *Cross-Section View during the Off Season* - Profile of gear as viewed from the eastern or western boundary of the proposed experimental lease site during the off season. The site will be non-operational annually between June 11<sup>th</sup> and October 31<sup>st</sup>.



### Grow Lines/Longlines

**Crosslines:** poly line  
length: longlines 1,060';  
crosslines 150'  
diameter: 11/32 - 1/2"



### Mooring Buoys/State-required Lease Markers:

LD-3 low drag buoys  
width: 12.7"  
height: 29"



### Mooring Lines: nylon rope

length: for mooring buoys 45-55', for lease marking buoys 40-50'  
diameter: 3/4-1"

### Depth Control Devices:

Go Deep Buoy  
width: 7.5"  
height: 20"

PVC Pipe  
length: 7'  
diameter: 1/2"

Poly Line  
length: 9'  
diameter: 11/32 - 1/2"

Counterweight  
weight: 8-10lbs



**Mooring Chains:**  
galvanized chain  
length: 5'  
diameter: 1/2"

**Mooring:** concrete block  
Weight: for mooring buoys ~1,000 lbs; for lease marking buoys ~100 lbs  
Dimensions: for mooring buoys 4'x2'x1'; for lease marking buoys 1'x1'x1'



- \* [hamiltonmarine.com](http://hamiltonmarine.com)
- ▲ [polyformus.com](http://polyformus.com)
- ⊗ [brookstrapmill.com](http://brookstrapmill.com)
- ⊕ [lowes.com](http://lowes.com)
- ✕ [dcwl.ie](http://dcwl.ie)

Figure 5. Gear Drawing



JANET T. MILLS  
GOVERNOR

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

PATRICK C. KELIHER  
COMMISSIONER

**Aquaculture Application Communication Consent Form**

By submitting this form, you are authorizing the entity or person(s) listed below to discuss your aquaculture lease or license application(s) with Department staff.

This authorization applies to communication only. You are still responsible for complying with all laws and rules governing lease and license processing and the person(s) or entity listed below are not authorized to modify the proposal or otherwise act on your behalf.

The Aquaculture Division is not responsible for the communications between you and the third party concerning the application. If you decide to revoke this permission, you must notify the Aquaculture Division in writing via email or mail.

Name of lease or license applicant (as it appears on the proposal):	Joseph Libby
Name of person(s) or entity authorized to discuss the proposal(s):	Ocean Approved, Inc. (D/B/A Atlantic Sea Farms)

Signature of lease or license applicant: Joseph Libby

Date: Dec 12 2024

Completed forms must be emailed or mailed to the respective addresses below.

Email: [DMRaquaculture@maine.gov](mailto:DMRaquaculture@maine.gov)

Mailing address: Maine Department of Marine Resources  
Attn: Aquaculture Division  
21 SHS  
Augusta, ME 04333-0021

<b>DMR staff use only</b> Date submission is received:	
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## **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: Outer limits inc.

2. Date of incorporation: 02/2014 State of incorporation: Maine

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

<b>Name</b>	<b>Address</b>	<b>Title</b>
Joseph Libby	P.O. Box 75, Beals, me 04611	Owner

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

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

<b>Name</b>	<b>Address</b>
Joseph Libby	P.O. Box 75, Beals, me. 04611

**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

**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

**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.

## Document Details

<b>Title</b>	Experimental Aquaculture Lease Application for Signature
<b>File Name</b>	FINAL_Joe Libby_Experimental App 2024.pdf, Corporate Applicants_05202021.pdf
<b>Document ID</b>	25f5406ae4a94e41b4cfdc22ca223706
<b>Fingerprint</b>	8802618eb858a5fbecbcd338ddc32c21
<b>Status</b>	Completed

## Document History

<b>Document Created</b>	Document Created by Liz MacDonald (lmacdonald@atlanticseafarms.com) Fingerprint: 4f19fb9836f1ea94b5447ff605de0e06	Dec 12 2024 03:00PM UTC
<b>Document Sent</b>	Document Sent to Joseph Libby (jllibby21@gmail.com)	Dec 12 2024 03:00PM UTC
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<b>Document Completed</b>	This document has been completed. Fingerprint: 8802618eb858a5fbecbcd338ddc32c21	Dec 12 2024 05:41PM UTC