

EXPERIMENTAL LEASE APPLICATION

1. APPLICANT CONTACT INFORMATION

Applicant	Shannon Harvey	
Contact Person	Shannon Harvey	
Address	318 Dutch Neck Road	
City	Waldoboro	
State, Zip	Maine, 04572	
County	Lincoln	
Telephone	(207) 790-1706	
Email	jenandshannonharvey@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	Bremen
Waterbody	Muscongus Bay
General Description (e.g. south of B Island)	Southeast of Cow 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 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: "17. 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 you plans at the following email: 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	15,000 ft seed (combined)
2. Skinny Kelp <i>Saccharina angustissima</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	15,000 ft seed (combined)
3. Winged Kelp <i>Alaria esculenta</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	15,000 ft seed (combined)
4. Horsetail Kelp <i>Laminaria digitata</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	15,000 ft seed (combined)
5. Shotgun Kelp <i>Agarum clathratum</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	15,000 ft seed (combined)
6. Dulse <i>Palmaria palmata</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	15,000 ft seed (combined)

7. Sea Lettuce <i>Ulva lactuca</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	15,000 ft seed (combined)
8. Irish Moss <i>Chondrus crispus</i>	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	15,000 ft seed (combined)

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

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

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

See 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.

See 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.

The purpose of this study is to test the viability of a seaweed farm southeast of Cow Island in Muscongus Bay.

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

Seed string with the attached seaweed species will be seeded onto fifteen 1,000' longlines between November and December for brown seaweeds and between January and March for red and green seaweeds. Exact seaweed species will depend on market demand and seed availability. Longlines will be spaced 11' apart and suspended approximately 7' below the surface using depth control devices with a float and counterweight. Seaweed will grow on the site from seeding until harvest (mid-April to June) and will be monitored and tended to a minimum of once every two weeks. All seaweed will be harvested by June 1st and all gear, except for moorings and associated chains and lines, will be removed from the site between June 1st - October 31st. Moorings, mooring chains, and mooring lines will be sunk to the seafloor from June 1st - October 31st.

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

Seeding will occur from November 1st to late December for brown seaweeds and between January and March for red and green seaweeds. Exact species to be seeded on the site will be determined based on demand and availability.

Tending will occur from seeding (approximately late December) to harvest (approximately mid-April).

Harvesting will occur from mid-April until no later than June 1st.

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

I will be on the site for 2-4 days during seeding and 5-10 days during harvest.

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

I will be on site at least once every other week for routine maintenance of gear and tending of crops. Additional time may be needed at the site after a storm to fix damaged gear or in the spring to monitor for increased fouling and to add counterweights to culture lines.

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

Seaweed will be harvested between mid-April and June. Longlines will be hauled onto my lobster boat using the pot hauler. Seaweed will be cut from the line by hand and immediately placed into bags on deck. Seaweed will be by hand from the culture line and packed into bags on the deck. All culture lines and depth control devices will be removed from the site at the time of harvest.

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.

All gear, except for the moorings, chains, and mooring lines, will be removed from the site from June 2nd to October 31st. Moorings will remain on site year-round. Mooring chains and lines will be sunk to the seafloor from June 2nd to 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?

Only the pot hauler on my lobster boat will be used. The pot hauler may be used daily during seeding for 2-4 days and for 5-10 days during harvest season.

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

No predator control techniques will be employed.

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.

<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>1. Commercial Fishing</p> <p>Lobstering is heavy on and around the site during the summer months (June-October). Within a 1,000 ft radius of the site there are likely 500-1,000 traps on any given day in the summer. During the time the farm would be operational (November-May), 0-20 traps may be found within 1,000' of the proposed lease site.</p> <p>Four or five boats transit through the area fishing for pogies in late spring through the summer, but their path does not take them through the actual footprint of the farm.</p> <p>No dragging or scalloping occurs within the vicinity of the site.</p>
<p>2. Recreational Fishing</p> <p>Recreational fishing in the area is very rare and limited to summer mackerel.</p>
<p>3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)</p> <p>The proposed lease lies 600' to 1,900' west of the main flow of traffic. In summer up to 1000 boats may pass by the site in a day. During winter, 0-3 boats may transit by the site in a day.</p>
<p>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.)</p> <p>The proposed site is more than 1,000 feet from Cow Island which is uninhabited and will not impede ingress of egress.</p>
<p>5. Other uses (kayaking, swimming, etc.)</p> <p>Kayaking may occur rarely in the summer, July-September. I don't know of any recreational activities that would occur during the period that the farm would be operational.</p>
<p>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.</p>
<p>No.</p>

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
There are currently no aquaculture licenses or leases operational within 1,000' of the proposed site. Troy Carter has submitted an experimental lease application for a site that would lie more than 1,000' northeast of my proposed lease. I have spoken with Troy regarding my proposed operations and we foresee no negative interactions between the two proposed sites.

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. 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.

If this lease is granted, I would request that fishing activities are excluded within the lease boundaries from November 1st - June 1st to prevent a potential navigational and/or safety hazard. Boats with a draft less than 5' may transit through the site as necessary during the same period. From June 2nd to October 31st all activities that would not cause damage to the moorings would be welcome on the 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?

36-40'

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

47-51'

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

The current runs mainly north to south at a maximum speed of 2-3 knots.

<p>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.</p>	
<p>1. What are the bottom characteristics (mud, sand, gravel, rock, ledge or some mix, etc.)?</p>	<p>The bottom is mostly composed of mud.</p>
<p>2. Describe the bottom topography (flat, steep rough, etc.).</p>	<p>The bottom of the proposed site is flat.</p>
<p>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?</p>	<p>I have observed lobsters and crabs to be common in the area surrounding the lease site.</p>
<p>4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.</p>	<p>No.</p>
<p>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>	<p>Based on coast-wide eelgrass surveys completed by the Department of Marine Resources in 2010, there are no eelgrass beds present on the eastern side of Cow Island. The nearest eelgrass beds are over 2,500' from the proposed site.</p>
<p>6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)</p>	<p>The proposed site is 1,200' from the shoreline of Cow Island. The southeastern shore of Cow Island is uninhabited and characterized by rocky shoreline and upland forests.</p>

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, 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, 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 Figure 3. Overhead View (November 1 - June 1).

See Figure 4. Overhead Off Season View (June 2 - October 31).

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

See Figure 5. Cross-Section View (November 1 - June 1).

See Figure 6. Cross-Section Off Season View (June 2 - October 31).

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).

C) Gear Description

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

Specific Gear Type <i>(e.g. soft mesh bag)</i>	Dimensions <i>(e.g. 16"x20"x2")</i>	Time of year gear will be deployed <i>(e.g. Spring, Winter, etc.)</i>	Maximum amount of this gear type that will be deployed on the site <i>(i.e. 200 cages, 100 lantern nets, etc.)</i>	Species that will be grown using this gear type
A3 and/or A4 Polyball (including state-required lease markers)	A3: 23" x 17" A4: 27" x 20.5"	Fall-Spring (November 1st - June 1st)	36 (including 6 state-required lease markers)	Marine algae
Nylon Mooring Rope	50', 1" diameter	Year round: Active use from Fall-Spring (November 1st - June 1st); From June 2 - October 31st mooring rope will be sunk to seafloor	36	Marine algae
Galvanized Mooring Chain	5', ½" diameter	Year round: Active use from Fall-Spring (November 1st - June 1st); From June 2 - October 31st mooring chain will be sunk to seafloor	36	Marine algae
Concrete Mooring Block	3'x3'x1', 1,200-1,500 lbs	Year round	36	Marine algae
Poly Longline	1000', 11/32" diameter	Fall-Spring (November 1st - June 1st)	15	Marine algae

Poly Crosslines	154', 1 1/32" diameter	Fall-Spring (November 1st - June 1st)	3	Marine algae
Depth Control Device: Lobster-style buoy attached by 1 1/32" poly line to a ~8-10 lb counter weight. Poly line is threaded through 7' of 1/2" PVC.	Foam buoy: 14"x7" PVC: 7', 1/2" diameter Counterweight: 8-10lbs	Fall-Spring (November 1st - June 1st)	165	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 7. Gear Drawing.

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.

I can mark my site in accordance to DMR regulations (Chapter 2.80), but I request permission to only mark the lease when the farm is active (November 1 - June 1). For the remainder of the year (June 2 - October 31), I would like to leave the site unmarked to limit the potential for fishermen's gear to become entangled in vertical lines.

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: 1st 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 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?

The site will be accessed by either lobster boat or skiff leaving from Community Shellfish Co. LLC.

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:** _____

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) Shannon L. Harvey 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.

Shannon L. Harvey
Applicant Signature

6-25-23
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.

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: Shannon L. Harvey

Title (if corporate applicant): _____

Signature: Shannon L. Harvey Date: 6-25-23

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/MUNICIPAL PERMISSION REQUIREMENTS *(if 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.

Figure 1. Vicinity Map

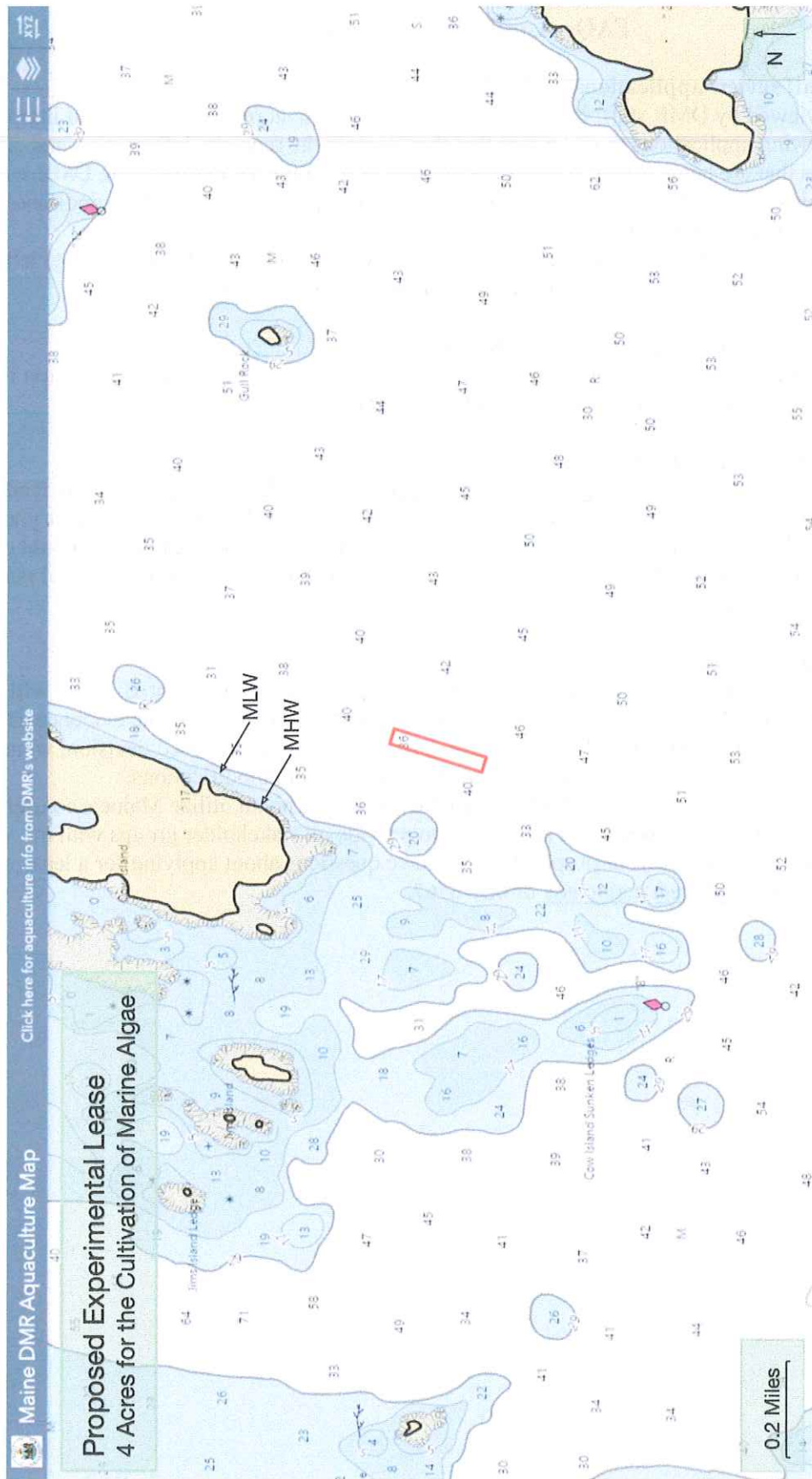
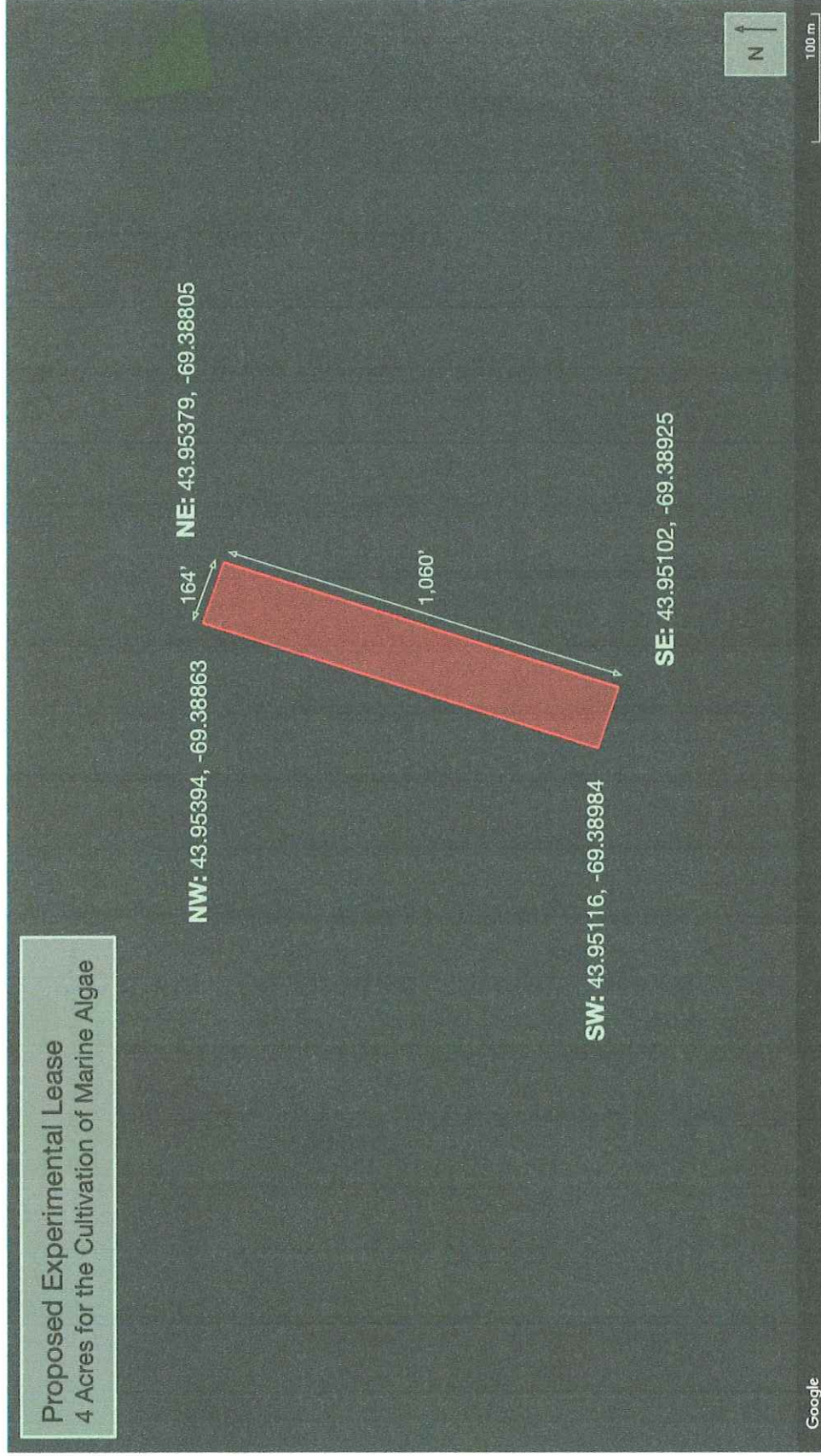


Figure 2. Boundary Drawing



WGS-84 Geodetic Coordinates

Figure 3. Overhead View (November 1 - June 1)

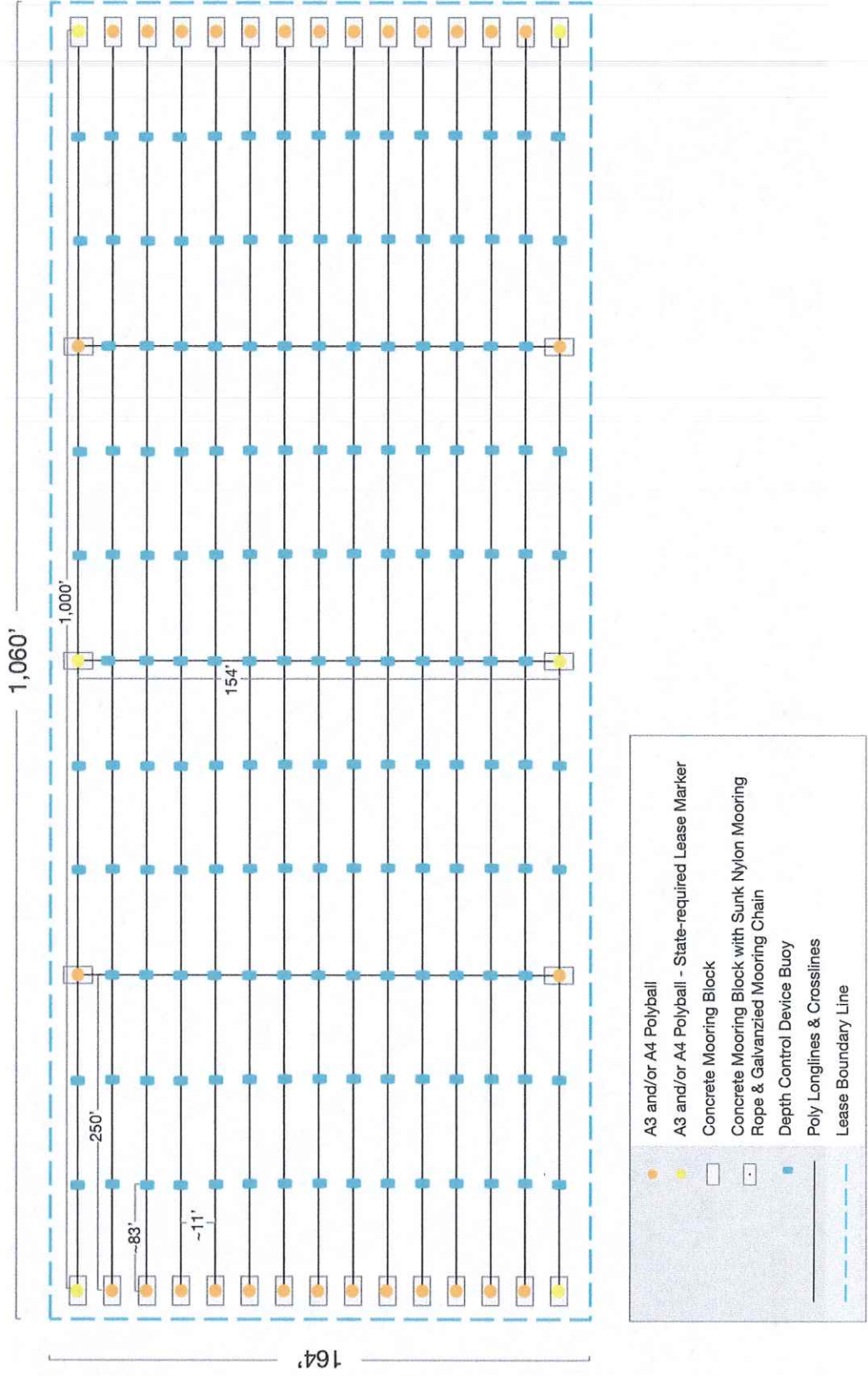


Figure 4. Overhead View Off Season (June 2 - October 31)

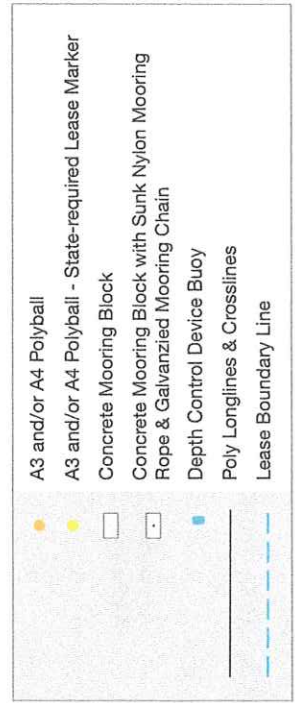
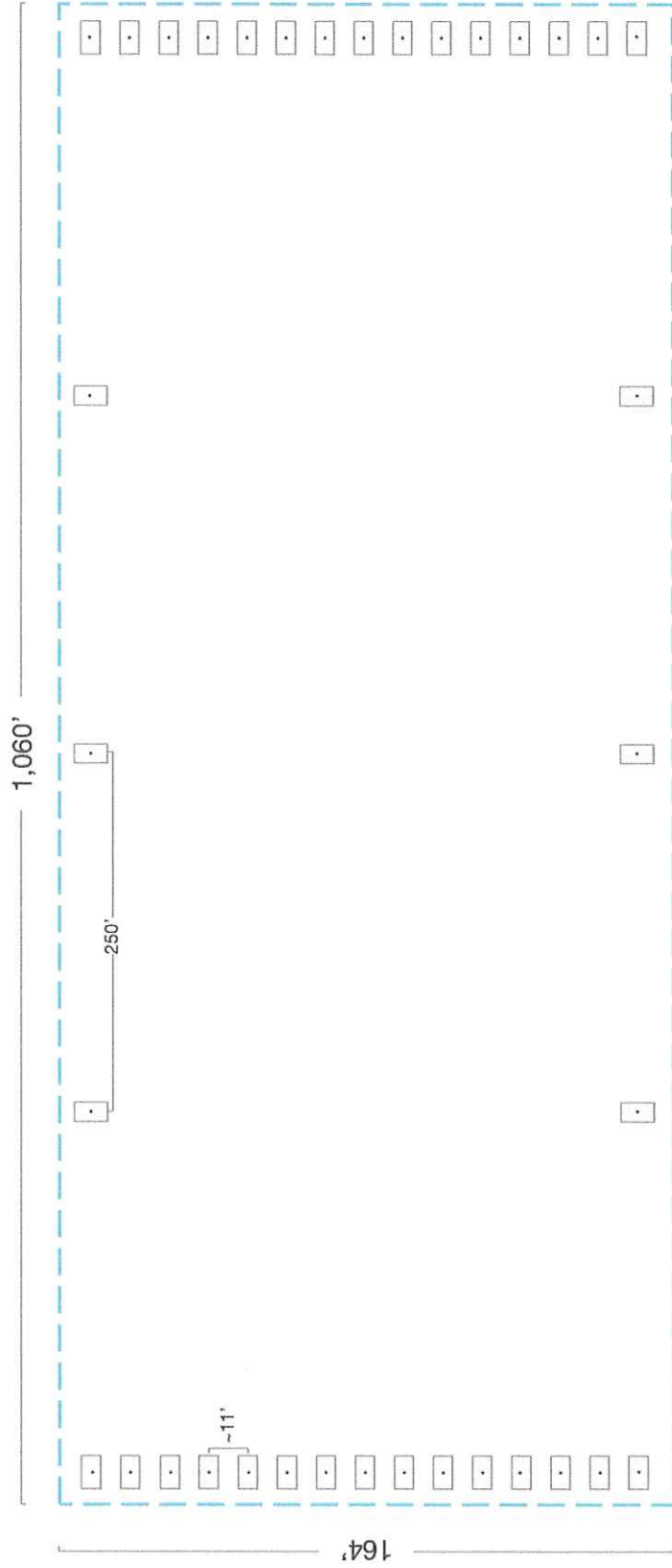


Figure 5. Cross-Section View (November 1 - June 1)

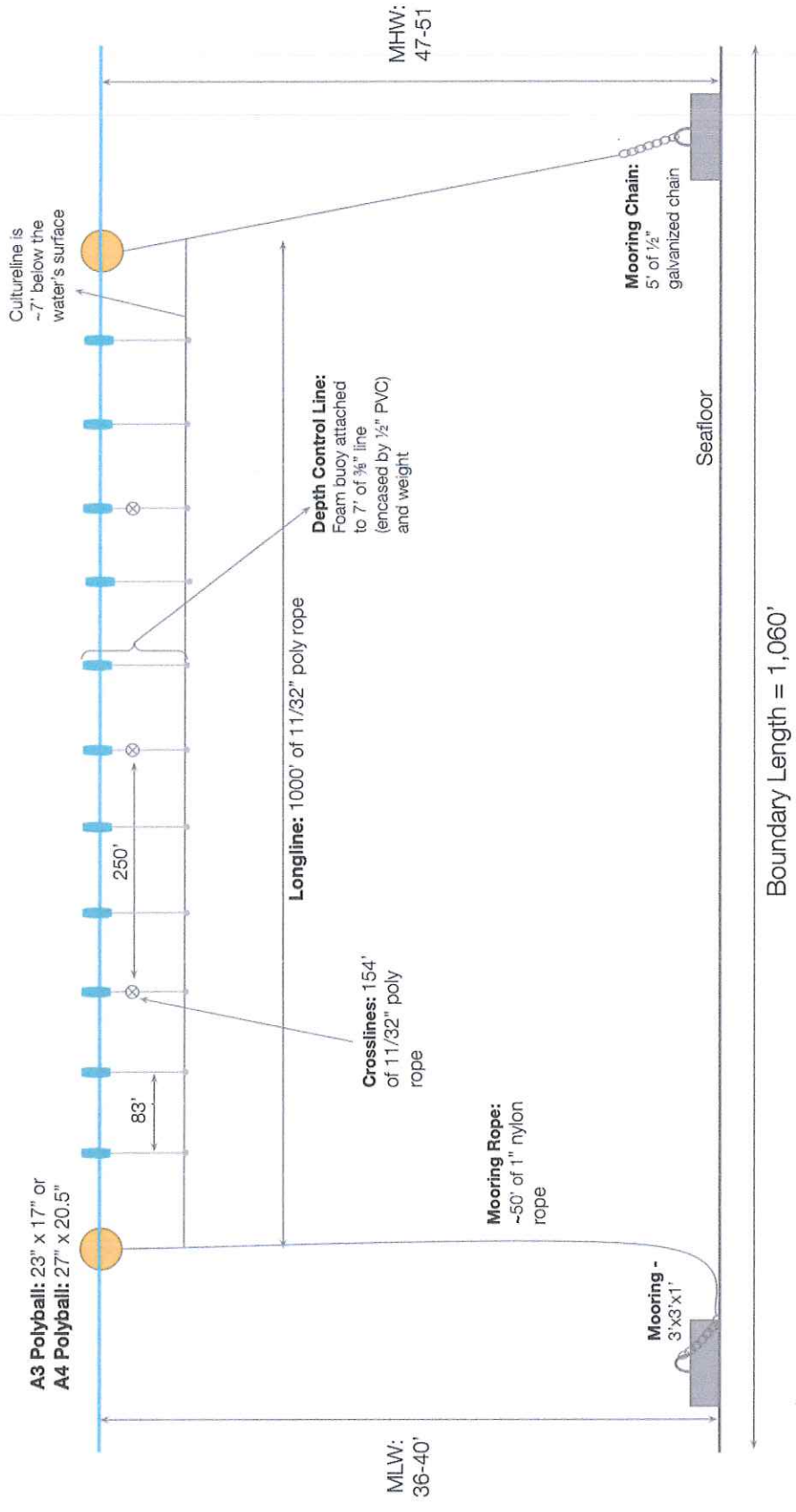


Figure 6. Cross-Section View Off Season (June 2 - October 31)

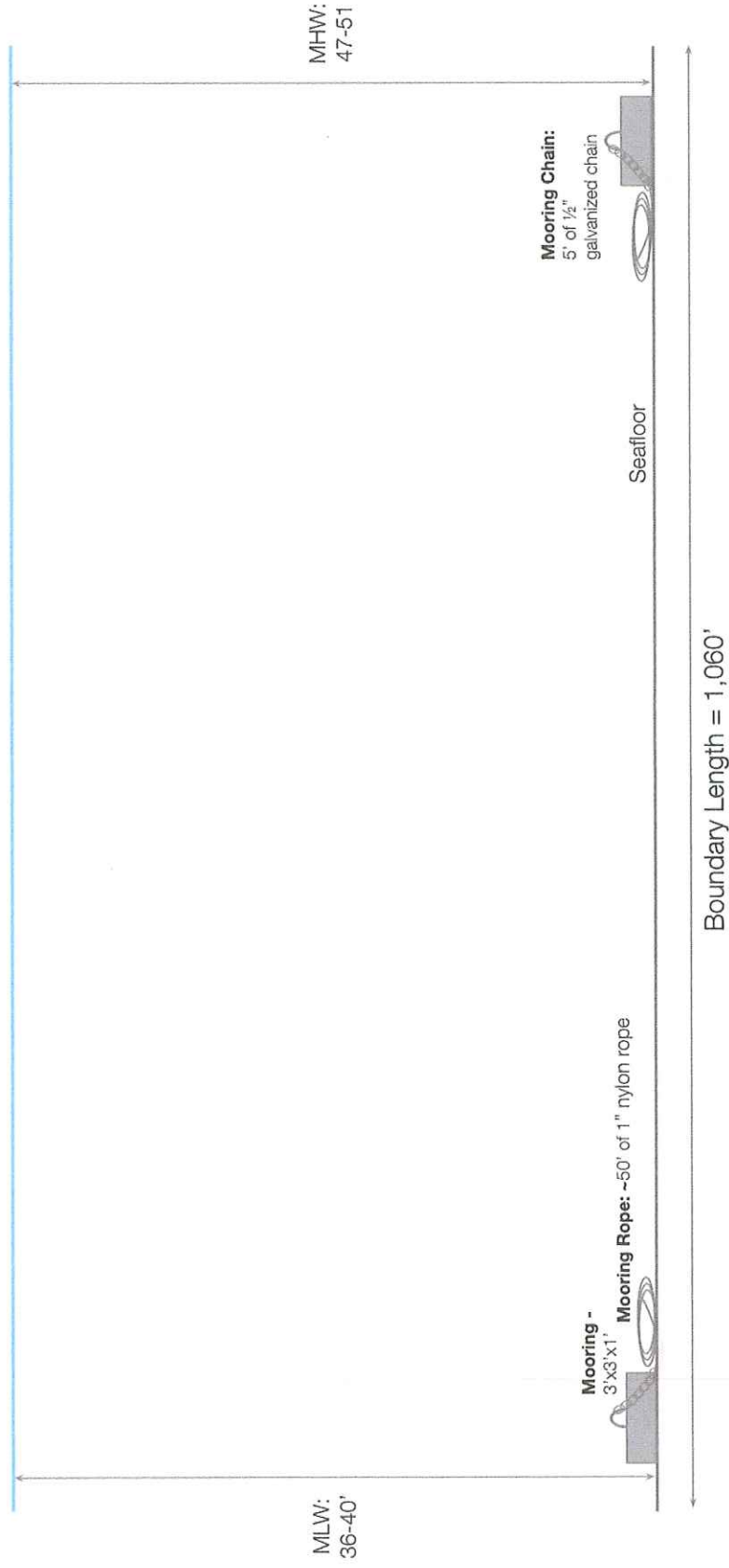


Figure 7. Gear Drawing





May 2, 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 Shannon Harvey's experimental lease application located in Muscongus Bay in the waters of Bremen.

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. Harvey will be a responsible farmer and that their work will have a positive economic impact on their community. We have worked with Mr. Harvey 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. Harvey'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,

Liz MacDonald
Seaweed Supply Director
lmacdonald@atlanticseafarms.com

Atlantic Sea Farms
20 Pomerleau St.
Biddeford, ME 04005



Community Shellfish LLC

**PO Box 106
Bremen, Maine 04551**

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

May 24, 2023

Dear Aquaculture Division of the Department of Marine Resources,

My name is Boe Marsh, and I am the owner and operator of Community Shellfish in Bremen, Maine. I am writing in support of Shannon Harvey's Experimental lease application to grow seaweed product in Muscongus Bay in the waters of the town of Bremen.

The company is an integrated shellfish landing, processing, wholesale distribution company with an aquaculture division growing oysters in our waterfront farm in Midcoast Maine. We have approximately 40 lobster boats fishing from our docks and also buy shellfish from a pool of 150-160 harvesters. We currently have a group of experienced and excellent lobstermen and fishermen who look forward to growing kelp in the surrounding waters and will have full access to land the product at our working waterfront facility should they be awarded their lease from DMR. The site is well equipped and easily accessible to ground transportation for this activity.

We are very enthusiastic and fully support this development because it will provide diversified income opportunities for Maine fishermen through seaweed farming and will provide working waterfront with additional activities and use available capacity in a sustainable way.

I have known Shannon Harvey for 12 years as a fisherman and a co-worker and I can't say enough positive things about his professionalism, acumen, ethics, and consideration of the industry and others. I believe that Shannon will be a very responsible farmer and that his work will have a positive economic impact on our community. We have worked with Shannon to find a site that does not negatively impact commercial or recreational fishing, recreational activities, landowner access, or other aquaculture operations. As part of Shannon's partnership with the contractual buyer; Atlantic Sea Farms will provide to him technical assistance, supply native kelp seeds from an approved state of the art cultivation center for permitted species and guarantee purchase of 100% of seaweed grown. It should be noted that this company and Atlantic Sea Farms have a strong working relationship in regard to this matter. Thank you for your time. Please feel free to contact me at (207) 350-5988 if you have any questions.

Sincerely,

John B. Marsh – CEO/Owner

5/8/2023

To whom it may concern;

My name is Benjamin Collyer. I have lobstered in Muscongus bay full time for ten years and part time five years prior. Shannon Harvey has informed me of the aquaculture farm on the southeast of Cow Island in Bremen. The operation of this farm will be when the majority of my gear is out of the water; so this farm will have little impact on my fishing.

Thank you
Benjamin Collyer

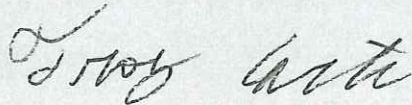
A handwritten signature in cursive script that reads "Benjamin Collyer". The signature is written in dark ink and is positioned to the right of the typed name.

4/28/23

To whom it may concern,

My name is Troy Carter and I have fished in Muscongus bay all of my life, full time for over twenty years. Shannon Harvey has kept me informed on his intention to grow seaweed/kelp in the Southeast area of Cow Island. The time that these plants will be growing will have little impact on myself or others fishing in the area because most of us do not fish this area during this growing season. November through May is a slower time for lobster gear.

Thank you.
Troy Carter

A handwritten signature in cursive script that reads "Troy Carter". The signature is written in dark ink and is positioned to the right of the typed name.