

## EXPERIMENTAL LEASE APPLICATION

### 1. APPLICANT CONTACT INFORMATION

Applicant	John Jordan, Jr.
Contact Person	John Jordan, Jr.
Address	40 Hay Field Rd.
City	Yarmouth
State, Zip	Maine, 04096
County	Cumberland
Telephone	(207) 650-2707
Email	john.jord.67@gmail.com
Payment Type	<input checked="" type="checkbox"/> Check (included) <span style="margin-left: 100px;"><input type="checkbox"/> Credit Card</span>

*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	Chebeague Island
Waterbody	Casco Bay
General Description (e.g. south of B Island)	West of Great Chebeague Island, Southwest of Seal Ledge
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”):	WI
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](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 St. Biddeford, Maine 04005	75,000 lbs
2. Skinny Kelp ( <i>Saccharina angustissima</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, Maine 04005	75,000 lbs
3. Winged Kelp ( <i>Alaria esculenta</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, Maine 04005	10,000 lbs
4. Horsetail/Fingered Kelp ( <i>Laminaria digitata</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, Maine 04005	10,000 lbs
5. Shotgun Kelp ( <i>Agarum cribrosum</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, Maine 04005	10,000 lbs
6. Dulse ( <i>Palmaria palmata</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, Maine 04005	5,000 lbs

7. Irish Moss ( <i>Chondrus crispus</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, Maine 04005	5,000 lbs
8. Sea Lettuce ( <i>Ulva lactuca</i> )	Atlantic Sea Farms 20 Pomerleau St. Biddeford, Maine 04005	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:** 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

## 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.

## 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 experimental lease is to determine the viability of a commercial seaweed operation at the proposed site west of Chebeague Island.

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

Marine algae will be cultured from October 1st to May 31st. Brown algae will be seeded on 1,000-foot longlines, spaced 10-feet apart, in the fall (October - December) and remain throughout the winter growing season until they are ready for harvest in the spring. Red and green algae will be seeded between January and March. Actual species outplanted on farm will be determined by seed availability at supplier and market demand. Longlines will be suspended 7 ft below the sea surface with dropper lobster-style buoys to maintain appropriate depth for optimal growth. Harvest will occur between April and May. If the proposed lease is granted, the applicant requests access to the site in August, for the first year only, to allow for enough time to set helix anchors prior to seeding season.

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

Marine algae will be cultured on the site from October 1st through May 31st annually. Seeding the farm will take between 3 to 5 days to complete and could occur from October 1st till early December, depending on when the seed stock is available, for brown algae species and between early January and early March for red and green algae species. Harvesting will take place through the months of April and May. The farm site will be tended to at least every other week throughout the growing season (January-March), weather permitting.

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

Seeding will take approximately 3-5 days to complete during the months of October, November, and early December, depending on when the seed is available. Harvest will take place in April and May and will take anywhere from 8 to 10 days to complete.

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

During the winter growing season (January through March), the farm will be checked a minimum of twice a month, with a goal of weekly monitoring, weather permitting. Additionally, the farm will be checked after any major storm event. In the spring, (March and April) additional time at the site is needed to monitor for fouling and to add counterweights to the culture line, if needed.

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

We will use my lobstering boat to harvest. There will be 2-3 crew members on board. We will use the hauler or mast and boom to haul up the culture line. The kelp will be cut off the culture line by hand and placed into 1,000 lbs bags on deck. The longlines and surface buoys will be hauled into the boat at the time of harvest. The lines and buoys will be cleaned and stored on shore on my private property until the next season. A skiff and an additional lobster boat may also be used during seeding and 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 the longlines, mooring buoys (except for one center mooring on each end and state-required markers), and depth control buoys will be removed from the site from June 1st through September 30th and stored on shore on my private property. Moorings and mooring lines will remain on site year round, but will be tied into the lease corner or middle buoys to reduce the farm’s off season surface profile.

**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?

No machinery will be used on the lease site outside of a lobster boat, skiff, and periodically a hauler.

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

No predator control techniques will be employed on the site.

**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><b>1. Commercial Fishing</b></p> <p>A limited amount of lobstering (approximately 10 traps in the general vicinity of the site on any summer day) occurs in the proposed lease area June through October, but during November to June there is virtually no lobstering. The proposed spot was chosen because it would have little impact on lobster fishing. No scalloping occurs within the lease site.</p>
<p><b>2. Recreational Fishing</b></p> <p>No recreational fishing has been noted by the applicant October through May. During the summer recreational fishing, if it occurs at all, is low in frequency since no species are specifically targeted in the nearby vicinity.</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>The proposed lease site is located approximately 450' east of the channel and outside the natural flow of boat traffic. Additionally, boat traffic in the area is greatly reduced from November through May, with no more than 5-10 boats passing by each day. In the summer when the farm would not be operational, boating traffic greatly increases in Casco Bay.</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>Not applicable. The nearest shorefront (Great Chebeague Island) is over 1,700 feet from the proposed lease site. We don't anticipate that the proposed lease will have any impact on shorefront property owners' ingress or egress.</p>
<p><b>5. Other uses (kayaking, swimming, etc.)</b></p> <p>No recreational activity has been observed in the proximity of the proposed site, but is expected to be a common occurrence during the summer months. Recreational activity would be very rare from October through May.</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>There have been no observed docks, moorings or other access points within 1,000ft of the proposed lease site</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.

There are no public beaches, parks or docking facilities within 1,000 feet of the proposed lease site.

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>

Yes, standard aquaculture lease site CAS CHEB2 is located approximately 330 ft south of the proposed experimental lease.

## 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 granted, the applicant requests that from October 1st through May 31st all dragging and fixed gear be excluded from the lease site to avoid any gear entanglements or navigational hazards while longlines are in the water. In the off season, June 1st through September 30th, all recreational and commercial activities can continue as normal.

## 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?

28' at mean low water

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

39' at mean high water

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

The current runs mostly northeast and southwest at an approximate speed 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 is soft mud with occasional patches of gravel.	
2.	Describe the bottom topography (flat, steep rough, etc.).
The bottom is mostly flat.	
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?
Some common marine species can be found. Crabs - Green, Sand, and Jonah - can be found on the seafloor. Lobsters are also found on the proposed site, but in low density. Native fish species such as mackerel and flounder can also be found periodically.	
4.	Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.
The applicant has not observed, nor knows of, any shellfish beds or fish migrations routes in the area surrounding the proposed lease site.	
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 data collected in 2018 by the Maine Department of Environmental Protection, the proposed lease is outside of the eelgrass zone. The nearest eelgrass beds observed in 2018 are approximately 1,600 feet from the proposed lease site. Eelgrass beds are generally observed in shallow waters which allow for adequate light penetration to support photosynthesis. The proposed site is in a water depth between 28ft (MLW) and 39ft (MHW) which is not ideal habitat for eelgrass.	
6.	Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)
Great Chebeague Island is over 1,700 ft from the proposed lease site. Great Chebeague's nearest shoreline is rocky with forested uplands and several residential dwellings.	

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

Yes  No

**Note:** The location of Essential Habitats in the State of Maine, along with information on how projects within these areas are reviewed, can be found here:

<https://www.maine.gov/ifw/fish-wildlife/wildlife/endangered-threatened-species/essential-wildlife-habitat/index.html>

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

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

Yes  No

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

## 12. STRUCTURES *(if applicable)*

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

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

A) **Overhead View** (please label this "Overhead View"):

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

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

**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).

**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>
Marine algae longlines	3/8" rope, 1000' long	Seasonal: October 1st through May 31st	15 culture lines spaced 10 ft apart	Marine Algae
Traditional lobster buoys used for flotation on depth control devices	14" long, 7" wide	Seasonal: October 1st through May 31st	8-10 per line, maximum of 150 on site	Marine Algae
PVC pipe used as support structure for depth control devices (surrounds 3/8" rope)	1/2" diameter, 7' long	Seasonal: October 1st through May 31st	8-10 per line, maximum of 150 on site	Marine Algae
Counterweights used as necessary on depth control devices	~8-10 lbs, 2" diameter, 8" long	Seasonal: October 1st through May 31st	8-10 per line, maximum of 150 on site	Marine Algae
A3 or A4 Polyballs used as mooring buoys	A3: 23" long, 17" wide <u>OR</u> A4: 27" long, 20.5" wide	Seasonal: October 1st through May 31st	26	Marine Algae
Mooring lines	3 strand nylon rope - 3/4"-1" rope, ~40' long	Year round	32	Marine Algae

Mooring chains	1" galvanized chain, ~5' long	Year round	32	Marine Algae
Low drag buoys used as required lease markers	24" long, 11.5" wide	Year round	6	Marine Algae
Helix anchors (We will attempt to use helix anchors exclusively at the site. If the bottom type prevents the use of helix anchors we will use concrete block moorings as a replacement.)	10" Helix Anchor (If helix anchors can't be used 2,000 lb blocks (36"x18"x12") will be set).	Year round	32	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.).

**13. MARKING**

<p>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.</p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>If you answered no, explain why and suggest alternate markings.</p>

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

#### 14. RIPARIAN LANDOWNERS AND SITE ACCESS

A. If your lease is within 1,000ft of shorefront land (**which extends to mean low water or 1,650 ft. from shore, whichever is less, according to NOAA charts**), the following supporting documents are required:

1. A labeled copy of a tax map(s) depicting the location of the proposed lease site and including the following elements:
  - Label the map “Tax Map: Town of (name of town).”
  - Legible scale
  - Tax lot numbers clearly displayed
  - The boundaries of the proposed lease
2. Please use the Riparian Landowner List (included on the next page) to list the name and address of every shorefront landowner within 1,000ft of the proposed lease site. Have the tax collector or clerk of the municipality certify the list. Refer to the riparian determination guidance document to ensure all riparian landowners are included:  
<https://www.maine.gov/dmr/aquaculture/forms/documents/RiparianDetermination.pdf>

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

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

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

Yes     No

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

C. How will you access the proposed site?

During the seaweed farming season (October 1st - May 31st), the proposed site will be accessed by lobster boat or skiff from either Cousins Island in Yarmouth or DeMillo’s in Portland.

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

<b>MAP #</b>	<b>LOT #</b>	<b>Landowner name(s) and address(es)</b>

**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*) John Jordan, Jr. 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.

*John Jordan, Jr.*

Jul 06 2023

**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.*

## 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: John Jordan, Jr.

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

Signature: John Jordan, Jr. Date: Jul 06 2023

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

**Note:**

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

## 17. LANDOWNER/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.

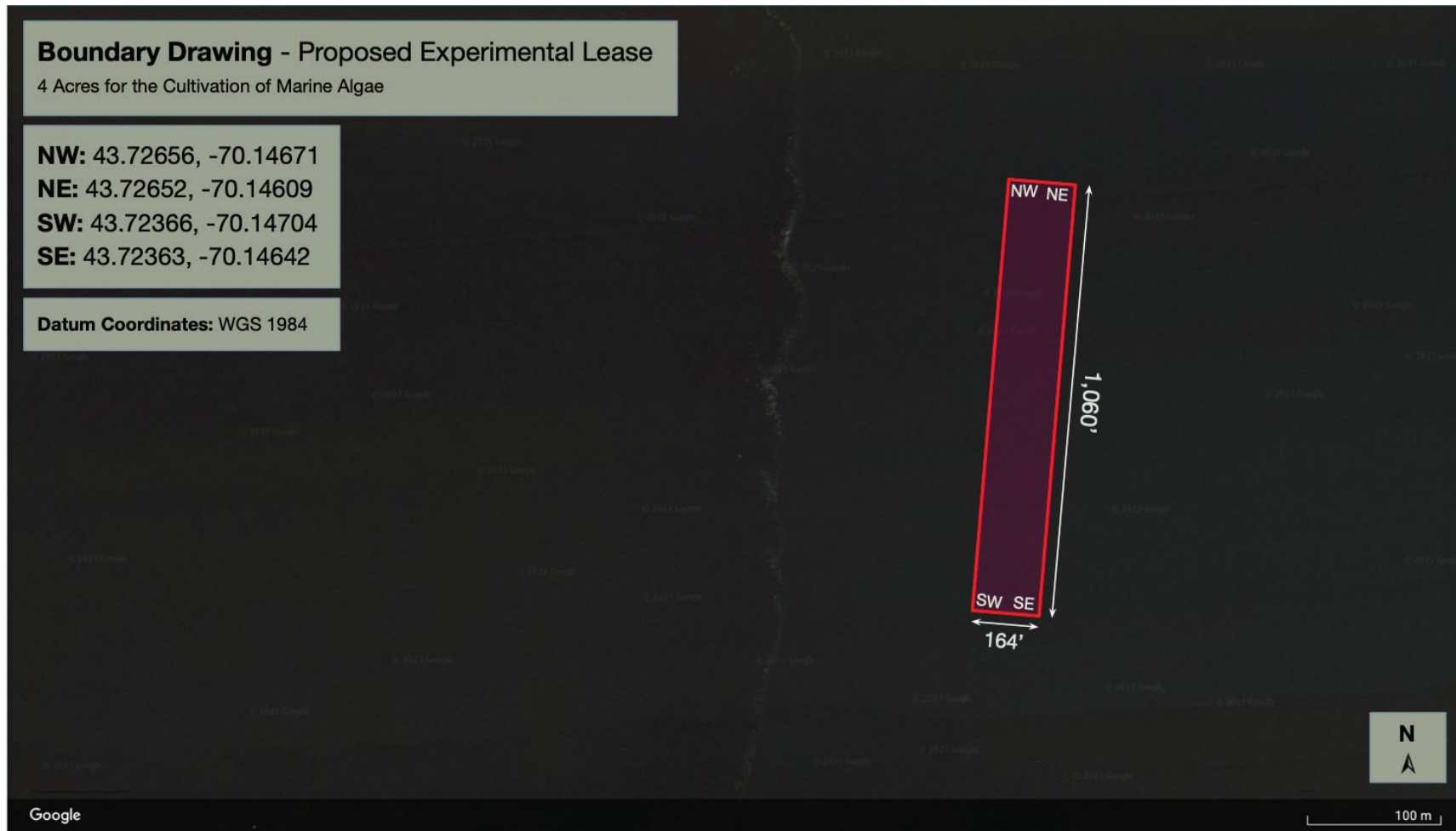
It is your responsibility to contact the municipality and determine if they have a shellfish conservation program. Best practices would include discussing your plans with shellfish committee members, but only the consent of municipal officers is required.

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

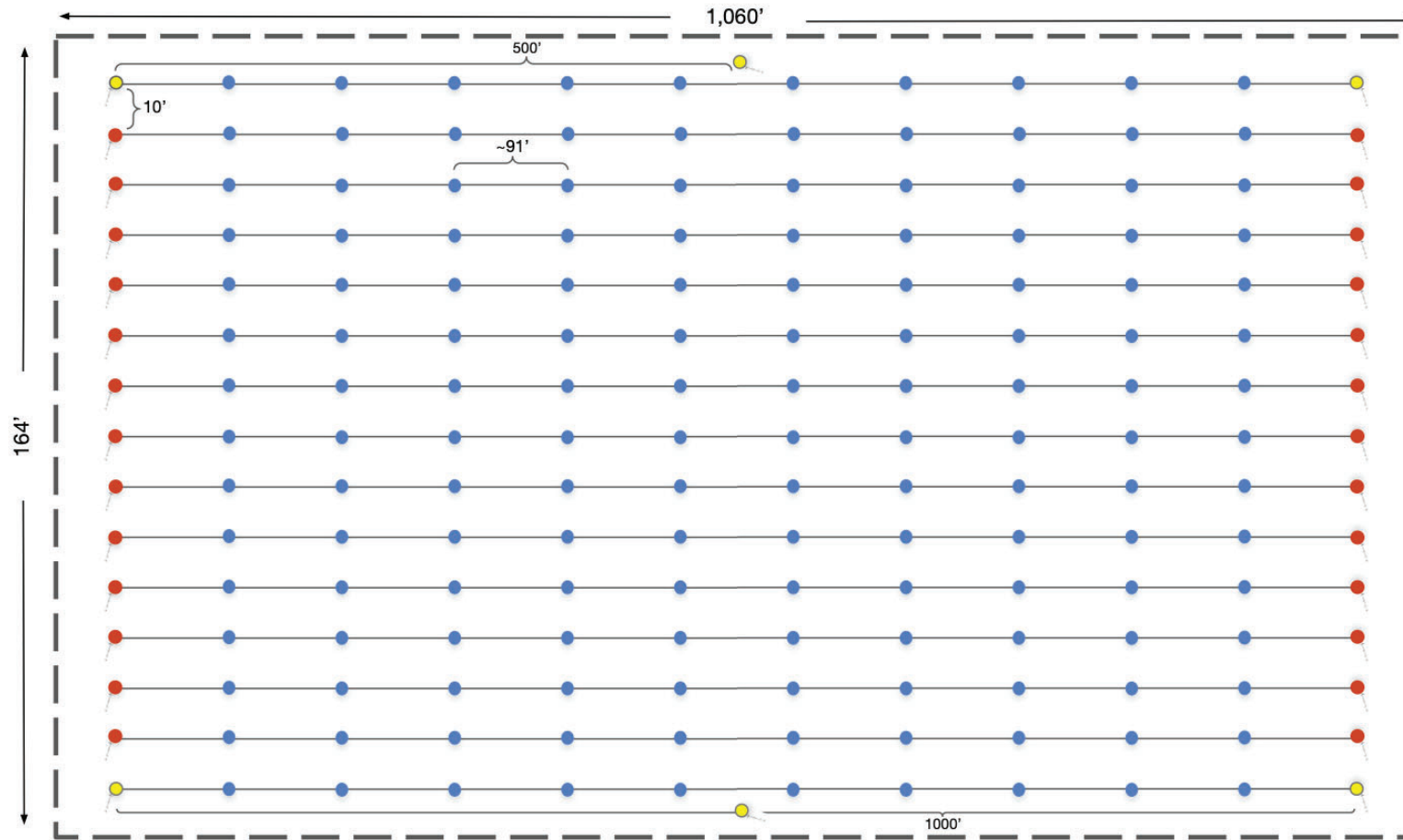
**If you answered yes**, please attach documentation from a public meeting demonstrating that a majority of municipal officers have consented to your proposal.



Figure 2. Boundary Drawing



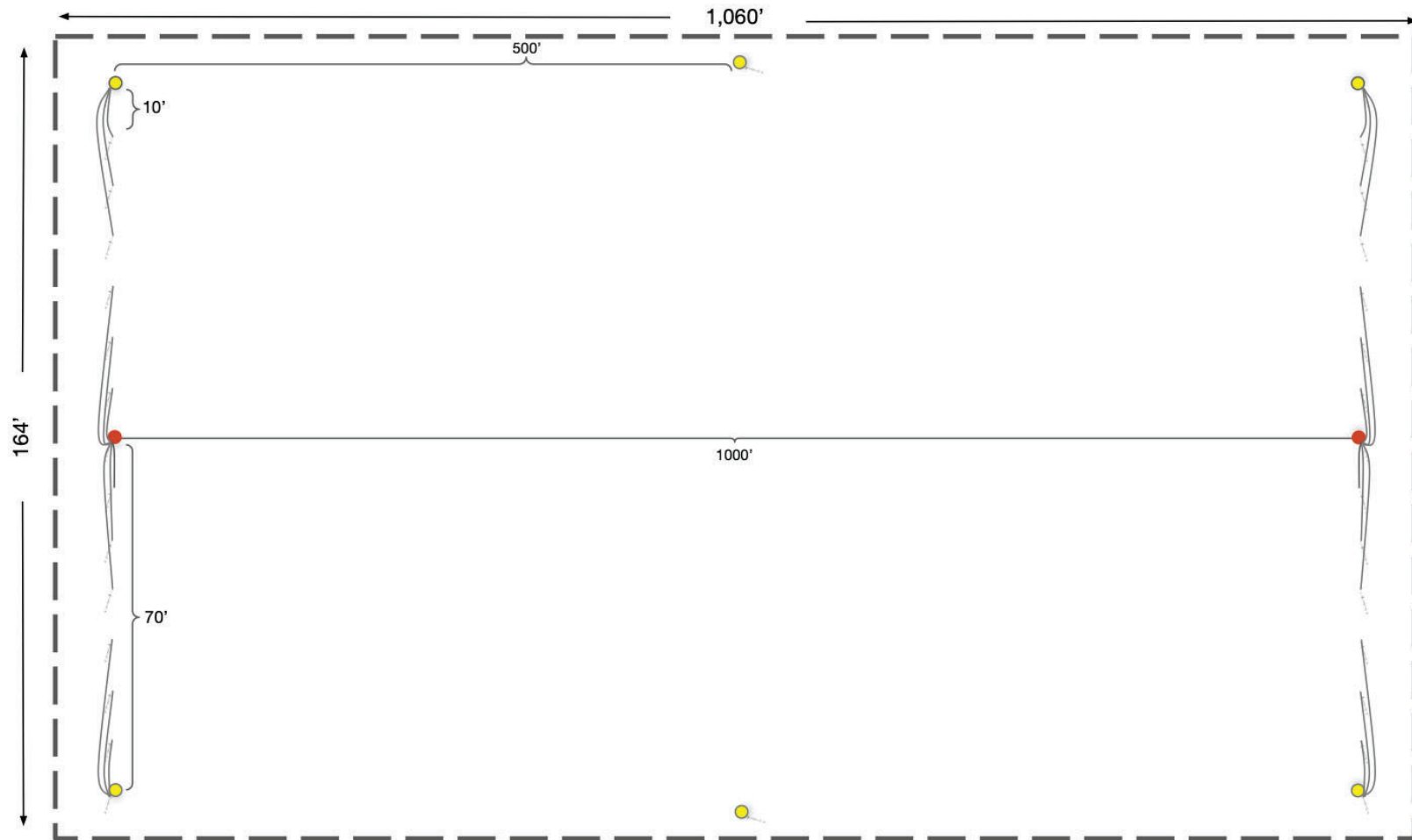
**Figure 3.** Overhead View During Growing Season (October 1<sup>st</sup> - May 31<sup>st</sup>)





**Overhead View Legend**

- Required Lease Marker
- Mooring Buoy
- Depth Control Device Float
- Helix Anchor
- Longline
- Lease Boundary

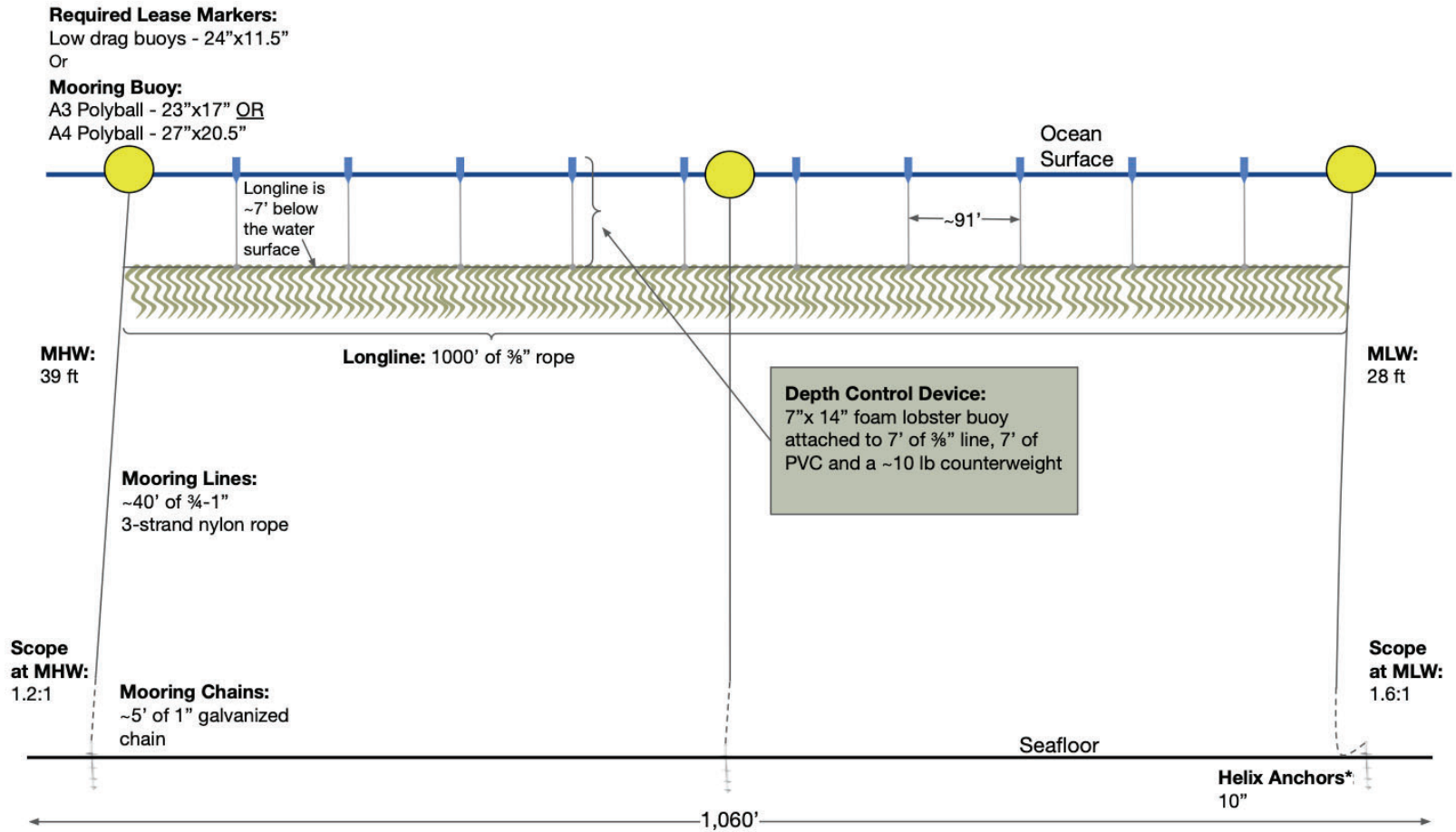
Figure 4. Overhead View During Off Season (June 1<sup>st</sup> - September 30<sup>th</sup>)



**Overhead View Legend**

- Required Lease Marker
- Mooring Buoy
-  Helix Anchor
-  Lease Boundary

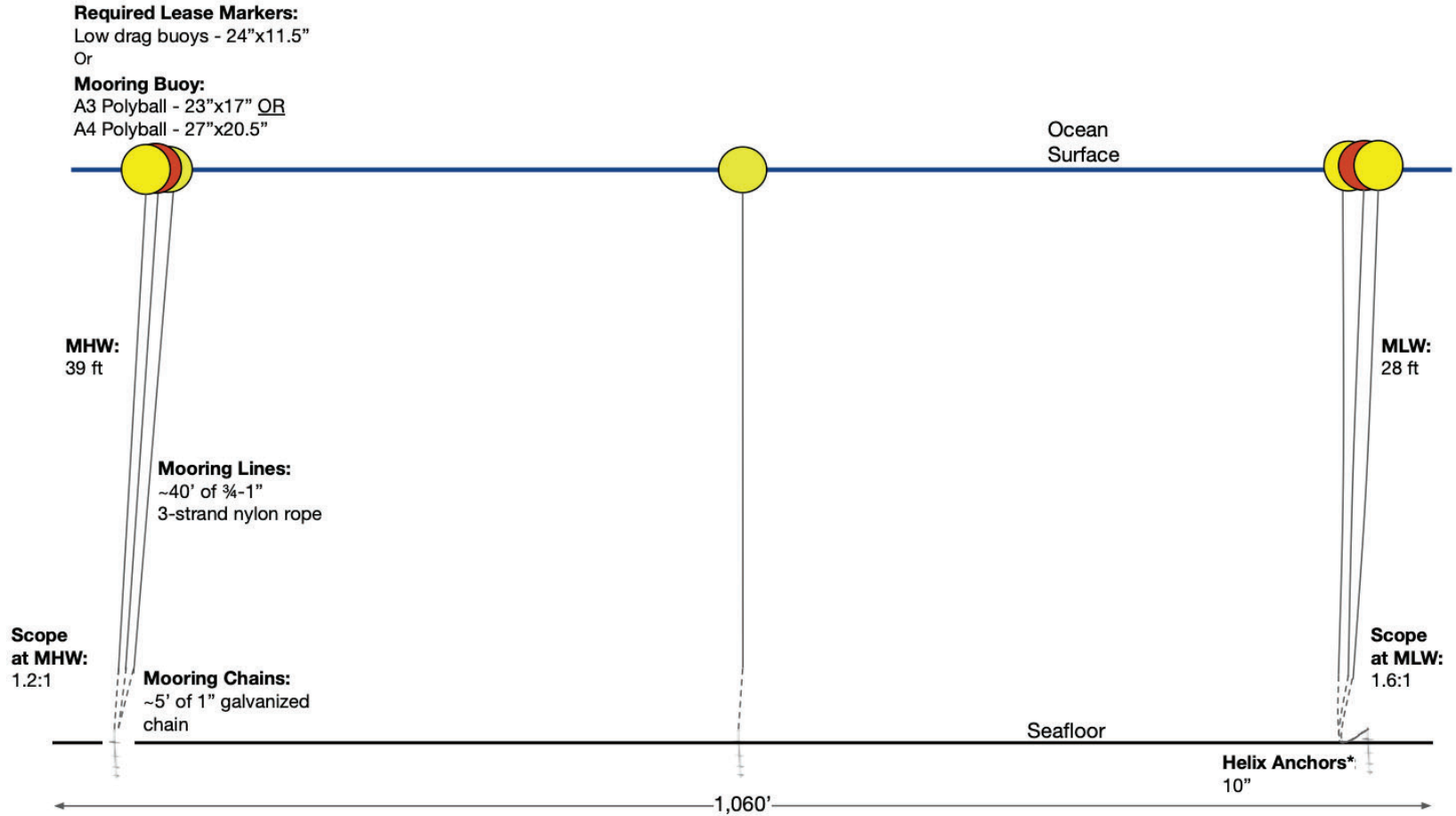
**Figure 5.** Cross-Section Length View During Growing Season (October 1<sup>st</sup> - May 31<sup>st</sup>)



\*We will attempt to use helix anchors exclusively at the site. If the bottom type prevents the use of helix anchors we will set 2,000 lb concrete block moorings (36"x18"x12") as a replacement.

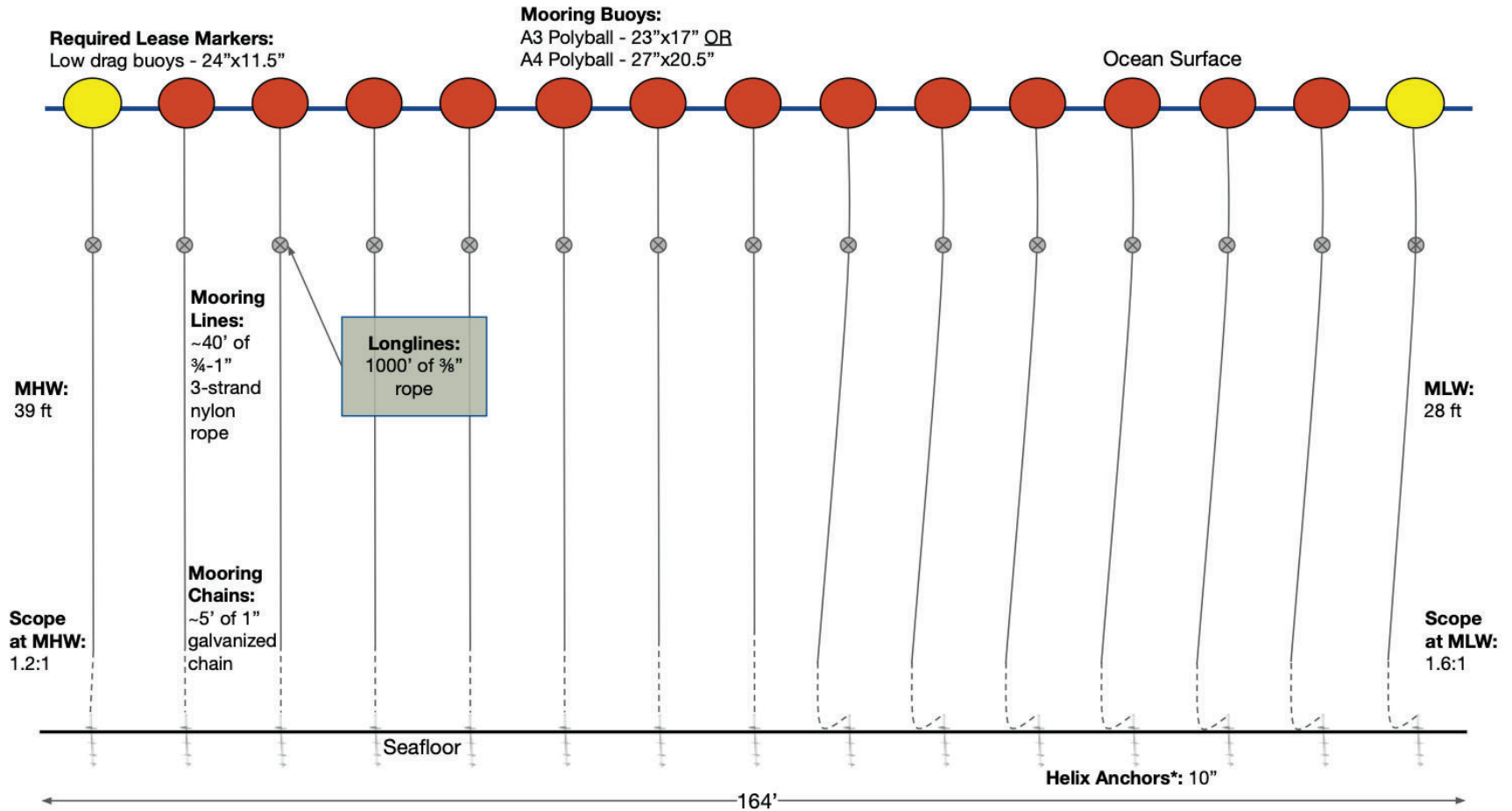


**Figure 6.** Cross-Section Length View During Off Season (June 1<sup>st</sup> - September 30<sup>th</sup>)



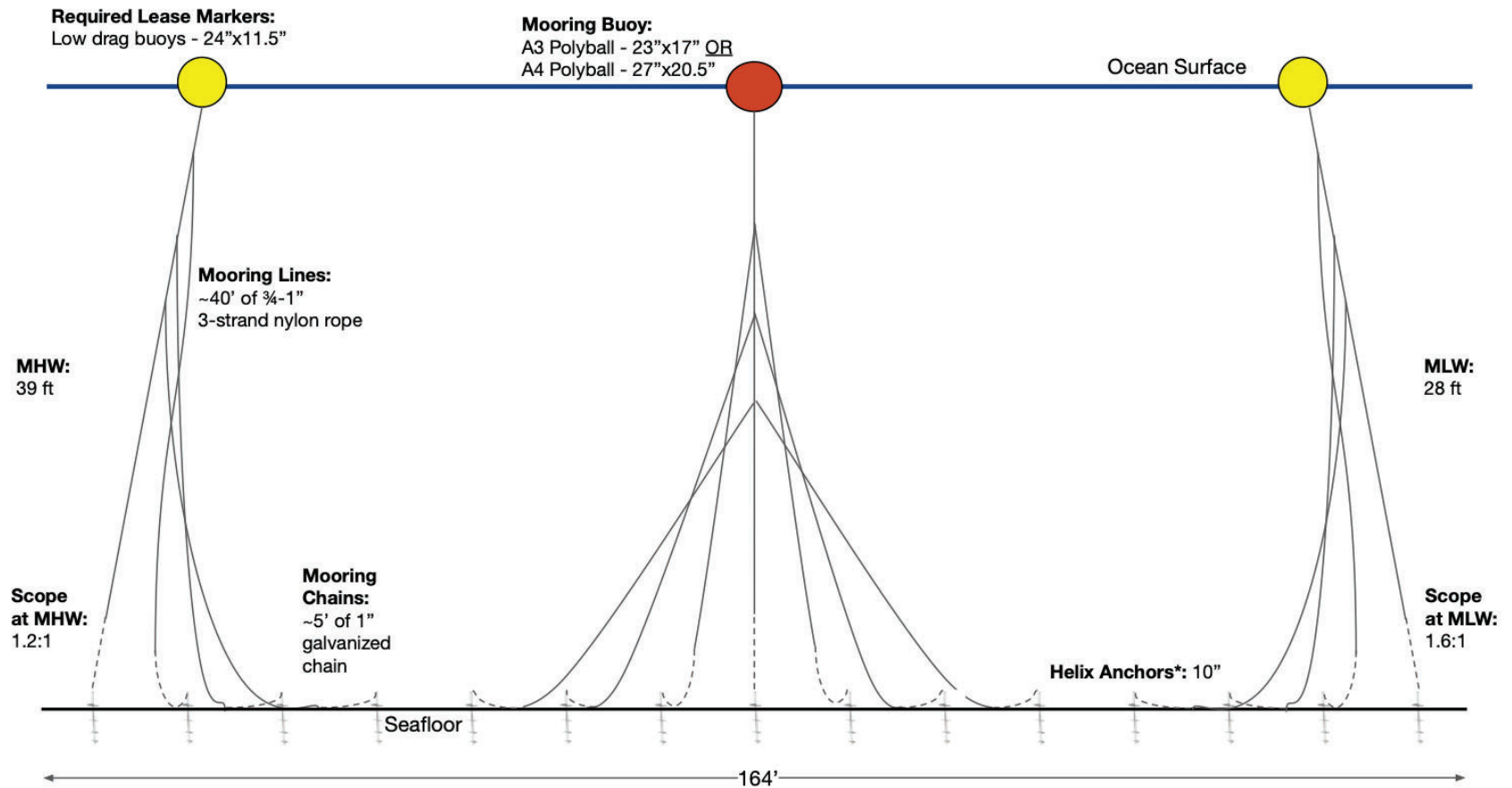
\*We will attempt to use helix anchors exclusively at the site. If the bottom type prevents the use of helix anchors we will set 2,000 lb concrete block moorings (36"x18"x12") as a replacement.

**Figure 7.** Cross-Section End View During Growing Season (October 1<sup>st</sup> - May 31<sup>st</sup>)



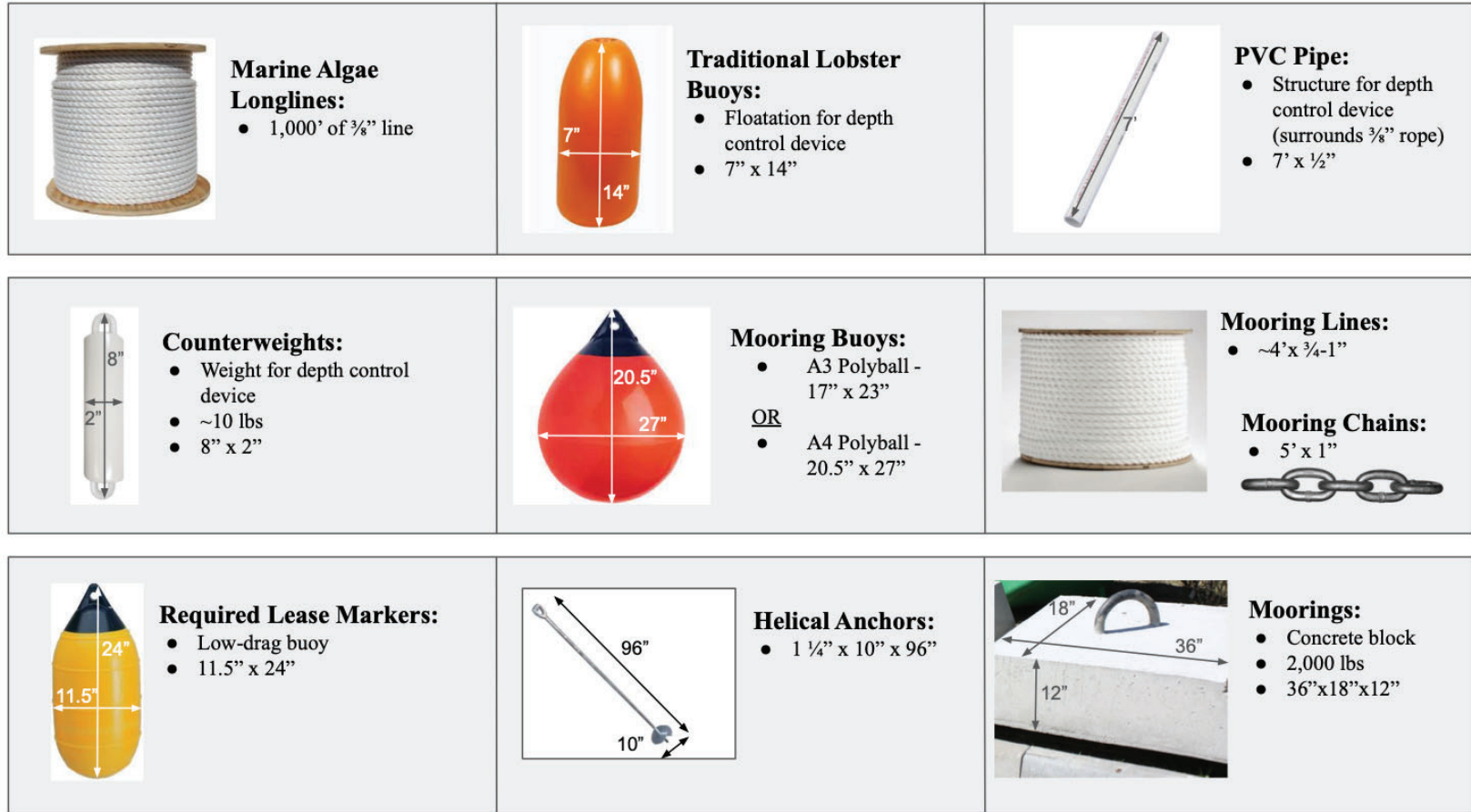
\*We will attempt to use helix anchors exclusively at the site. If the bottom type prevents the use of helix anchors we will set 2,000 lb concrete block moorings (36"x18"x12") as a replacement.

**Figure 8.** Cross-Section End View During Off Season (June 1<sup>st</sup> - September 30<sup>th</sup>)



\*We will attempt to use helix anchors exclusively at the site. If the bottom type prevents the use of helix anchors we will set 2,000 lb concrete block moorings (36"x18"x12") as a replacement.

Figure 9. 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 John Jordan, Jr.'s experimental lease application located in Casco Bay in the waters of Chebeague Island.

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. Jordan will be a responsible farmer and that their work will have a positive economic impact on their community. We have worked with Mr. Jordan 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. Jordan'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](mailto:lmacdonald@atlanticseafarms.com)

Atlantic Sea Farms  
20 Pomerleau St.  
Biddeford, ME 04005

May 10, 2023

Dear DMR Aquaculture,

I am writing in support of John Jordans experimental lease application for kelp near Chebeague Island. I am a lifelong resident of Chebeague, and a commercial fisherman. I fish for lobsters, scallops, menhaden and I have LPA leases for oysters.

I recognize the importance of aquaculture for the future of coastal Maine residents and as a diversification opportunity for fishing families. Kelp aquaculture is unique in that the growing season takes place during a time in which most of the inshore lobstering has come to an end. When kelp lines and gear are deployed most of the lobster gear in this area has moved to deeper water or has been taken up for the season.

Johns proposed lease does not interfere with lobster fishing. The area that his lease is sited on is not an area that is productive to lobstering during the kelp growout season. I have seen over the last few years that kelp farming sites and lobster fishing activities can coexist well in Casco Bay.

John has worked closely with area lobstermen including myself to locate this site in an area that does not interfere with existing users. It is my hope that kelp farming and other aquaculture will allow the current and future residents of Casco Bay Islands to sustainably harvest seafood.

Sincerely yours,

A handwritten signature in black ink that reads "Jeff Putnam". The signature is written in a cursive style with a large, stylized initial "J".

Jeff Putnam

To: Department of Marine Resources, Aquaculture Division

From: Paul V. Belesca

RE: Application for experimental seaweed lease by John Jordan Jr.

I am writing in support of John Jordan Jr's experimental lease application for kelp to be located west of Sunset Landing on Chebeague Island. John is a local lobsterman with island ties who seeks to diversify his activities and expand into aquaculture.

My home at the end of Sawyer Road (Chebeague tax map I05, lot 11A) will be one of the closest land owners to the proposed lease site. Our need for year-round access to the water and our path of transit to/from the mainland could potentially be impacted by aquaculture activities. Chebeague fisherman have also expressed concerns about other existing lease locations in this general region. They have commented on the need for safe year-round transit from the Stone Pier to/from Hussey Sound, a course that runs very close to the proposed site. I am pleased that John proactively engaged with me about his plans. He is conscious of the needs of Chebeague residents to maintain safe navigation in this area and he adjusted the location of his proposed experimental lease site to help address these concerns.

As the General Manager and co-owner of the Chebeague Island Boat Yard, I recognize the emergence of aquaculture in this region and know that it represents an important new segment of the marine industry for many local fishermen. The challenge we all face is the need to find a way for aquaculture development to be balanced against a wide range of existing uses and the essential need to maintain safe navigation.

I hope that your department reviews the application from John Jordan Jr. in a favorable manner and that he receives a positive recommendation for a kelp lease on this site.

Regards,

A handwritten signature in black ink that reads "Paul V. Belesca". The signature is fluid and cursive, with the first name "Paul" and last name "Belesca" clearly legible.

Paul V. Belesca  
62 Sawyer Road  
Chebeague Island, ME 04017  
207-846-1097  
[pbelesca@chebeague.net](mailto:pbelesca@chebeague.net)