

EXPERIMENTAL LEASE APPLICATION

1. APPLICANT CONTACT INFORMATION

Applicant	Great Ledge Cove Seafood, LLC	
Contact Person	Justin Papkee	
Address	15 Leavitt Street	
City	Long Island	
State, Zip	Maine, 04050	
County	Cumberland	
Telephone	(207) 766-0000	
Email	greatledgescove@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	Long Island
Waterbody	Casco Bay
General Description (e.g. south of B Island)	West of Little Chebeague 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"):	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

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	9,780 ft of seeded line total
2. Skinny Kelp (<i>Saccharina angustissima</i>)	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	9,780 ft of seeded line total
3. Winged Kelp (<i>Alaria esculenta</i>)	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	9,780 ft of seeded line total
4. Horsetail Kelp (<i>Laminaria digitata</i>)	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	9,780 ft of seeded line total
5. Shotgun Kelp (<i>Agarum clathratum</i>)	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	9,780 ft of seeded line total
6. Irish Moss (<i>Chondrus crispus</i>)	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	9,780 ft of seeded line total

7. Dulse (<i>Palmaria palmata</i>)	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	9,780 ft of seeded line total
8. Sea Lettuce (<i>Ulva lactuca</i>)	Atlantic Sea Farms 20 Pomerleau Street Biddeford, ME 04005	9,780 ft of seeded line total

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

6. BOUNDARY DRAWING

Note: If you attach a drawing, please label it 'Boundary Drawing'.

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

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

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 commercial seaweed farm at the proposed site.

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

Seaweed species, depending on demand, will be seeded onto thirteen 660' long culture lines between early October and late December (for kelp species) or between January and March (for species of red and green seaweed). The five crosslines (240' long) may also be seeded.

Culture lines will be spaced 20' apart and suspended approximately 7' below the surface. Weighted depth control devices will be added to the culture lines to maintain appropriate depth. Crosslines will be spaced 110' apart.

Seaweed will grow on the site from seeding, no earlier than October 1st, to harvest, no later than June 1st. After harvest all gear, except for state-required lease markers, will be removed from the site annually between June 2nd - September 30th and stored on shore on my private property.

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

Seeding will occur no earlier than October 1st and will be completed by the end of December, for kelp species, or between January and March, for species of red and green seaweed.

The site will be tended to weekly during the growing season (late December-late March) to check on the lines and moorings. Seaweed will be monitored during these visits for growth and fouling.

Harvesting and removal of culture lines will occur between late March - early June.

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

Depending on weather and seed availability, seeding should take 3-6 days. Harvesting and removal of gear will require approximately 7-15 days on site depending on the amount of kelp grown during the season.

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

The site will be tended to weekly during the growing season to maintain gear and monitor growth and fouling.

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

The longlines will be lifted using hydraulics on a lobster boat and the seaweed will be harvested by hand from the culture line. Harvested seaweed will be immediately packed into bags on deck.

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.

After seaweed is harvested, all gear, except for state-required lease markers, will be removed from the site annually between June 2nd - September 30th and stored on shore 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?

The hydraulic system on my boat will be used to haul in the longlines when the site is actively being harvested (approx. 7-15 days during April - June).

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>From mid-June until September people lobster in the vicinity of the proposed site. I used to lobster in the area but do not anymore. Lobstering activities in the area have decreased significantly in the last 10 years. Lobstering does not commonly occur near the site during the period that the farm would be active (October-early June).</p>
<p>2. Recreational Fishing</p> <p>I have not observed any recreational fishing activity on or near the proposed site.</p>
<p>3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)</p> <p>There is significant boat traffic during the summer months (July-September), but the proposed off-season gear layout should not impede traffic around Little Chebeague Island and boaters are welcome to transit through the site during the summer. Additionally the proposed site is located over 1,900 feet to the east of the recommended two-way route for deep draft vessels. During the winter, recreational boat traffic is negligible and fishing vessel traffic is greatly reduced.</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 located over 1,000 feet from Little Chebeague Island and should not hinder ingress or egress of visitors to the island.</p>
<p>5. Other uses (kayaking, swimming, etc.)</p> <p>Most recreational visitors to Little Chebeague Island access the island from the beach on the opposite side of the island from the proposed site. People may kayak through the area during the summer and early fall, but that will remain unaffected by the proposed site location.</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>

Currently two LPAs (NJOH 120 and NJOH 420) are approximately 830' northeast of the proposed site. I am aware that Nathan Johnson, operating as Shearwater Ventures, LLC, has submitted an experimental lease application to expand his operations at this site. I have spoken with Nathan about the proximity of my proposed lease. We do not anticipate any negative interactions between the two 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.

I currently hold two experimental leases, CAS CHANx and CAS LCI3x.

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.

Experimental leases CAS CHANx and CAS LCI3x expired on 5/21/2021 and 11/30/2022, respectively. Standard lease applications have been submitted to replace these sites and I plan to continue to operate them as outlined in those applications if this proposed experimental lease is granted.

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 the lease is granted I ask that fixed gear and dragging be excluded from within the boundaries of the site while the longlines are in the water (October 1st - June 1st). All recreational fishing, boating activities, and other activities may continue given that no vessel with a draft greater than 7 feet transit the area from October 1st - June 1st while the culture lines are in the water.

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?

MLW = 59-66'

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

MHW = 71-78'

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

The current flows at approximately 0-2 knots to the north on the coming tide and to the south on the going tide.

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 composed of mud.
2. Describe the bottom topography (flat, steep rough, etc.).
The bottom slopes from 59' to 66' at MLW from the east to west side of the site.
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?
I have observed lobsters and crabs to be rare to common on and near the site.
4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.
None to my knowledge.
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 by the Maine Department of Environmental Protection in 2018, the proposed lease is outside of the eelgrass zone. The nearest eelgrass bed is located approximately 670' to the east of the northeast corner of the proposed 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 59-66' (MLW) and 71-78' (MHW) which is not ideal habitat for eelgrass.
6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)
The site is not located near shore line - Little Chebeague Island is more than 1,000 feet east of the site. The shoreline of Little Chebeague Island, which lies to the East, is rocky. Little Chebeague Island is an undeveloped island with vegetation and trees. There is a ledge exposed at low water a quarter mile to the North East.

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.

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.

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
Marine Algae Culture Lines	½”-diameter poly lines; 660’ long	Seasonal: October 1st-June 1st	13 lines, spaced 20’ apart	Marine Algae
Crosslines	½”-diameter poly lines; 240’ long	Seasonal: October 1st-June 1st	5 lines, spaced 110’ apart	Marine Algae
A3 or A4 Polyballs/ Mooring Balls	A3: 23”x17” A4: 27”x20.5”	Seasonal: October 1st-June 1st, except for 6 state-required lease boundary markers which will be on site year round	36 total (including 6 state-required lease boundary markers)	Marine Algae
Mooring Lines	3-strand, 1” nylon rope; ~80’ long	Seasonal: October 1st-June 1st, except for 6 lines associated with the state-required lease boundary markers which will be on site year round	36 sections	Marine Algae
Mooring Chains	½” Galvanized mooring chain, ~ 5’ long	Seasonal: October 1st-June 1st, except for 6 chains	36 sections	Marine Algae

		associated with the state-required lease boundary markers which will be on site year round		
Moorings/ Anchors (Either Pyramid Anchors, Mushroom Anchors, and/or Concrete/ granite blocks depending on availability and site characteristics)	800 lb Pyramid Anchor 16"x16"x16"; and/or 350 lb Mushroom Anchor; and/or 2000 lb block; 36"x18"x12"	Seasonal: October 1st-June 1st, except for 6 moorings/ anchors associated with the state-required lease boundary markers which will be on site year round	36 total	Marine Algae
Depth Control Buoys	Traditional lobster buoys; approx. 14"x7"	Seasonal: October 1st-June 1st	up to 11 per culture line, 143 total	Marine Algae
PVC Pipe	7' long; 1/2" diameter	Seasonal: October 1st-June 1st	up to 11 per culture line, 143 total	Marine Algae
Counterweights (for depth control lines)	10 lbs; 8"x2"	Seasonal: October 1st-June 1st	up to 11 per culture line, 143 total	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: 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 from Long Island or Portland where we dock our Maine registered lobster boat and/or a small skiff.

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: Long Island

MAP #	LOT #	Landowner name(s) and address(es)
	010-0	State of Maine Little Chebecayve Augusta ME 04333

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Amy Tierney, Town Clerk for the Town of Long Island 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: Amy Tierney DATE: 3/15/23

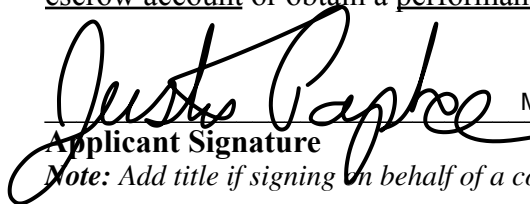
15. ESCROW ACCOUNT OR PERFORMANCE BOND

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*) Great Ledge Cove Seafood LLC 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.

 _____
Applicant Signature Managing Member
Note: Add title if signing on behalf of a corporate applicant.

3-16-2023

Date

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
Note: Add title if signing on behalf of a corporate applicant.


Date

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: Justin Papkee

Title (*if corporate applicant*): Managing Member

Signature:  Date: 3-16-2023

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 1. Vicinity Map (Section 5)

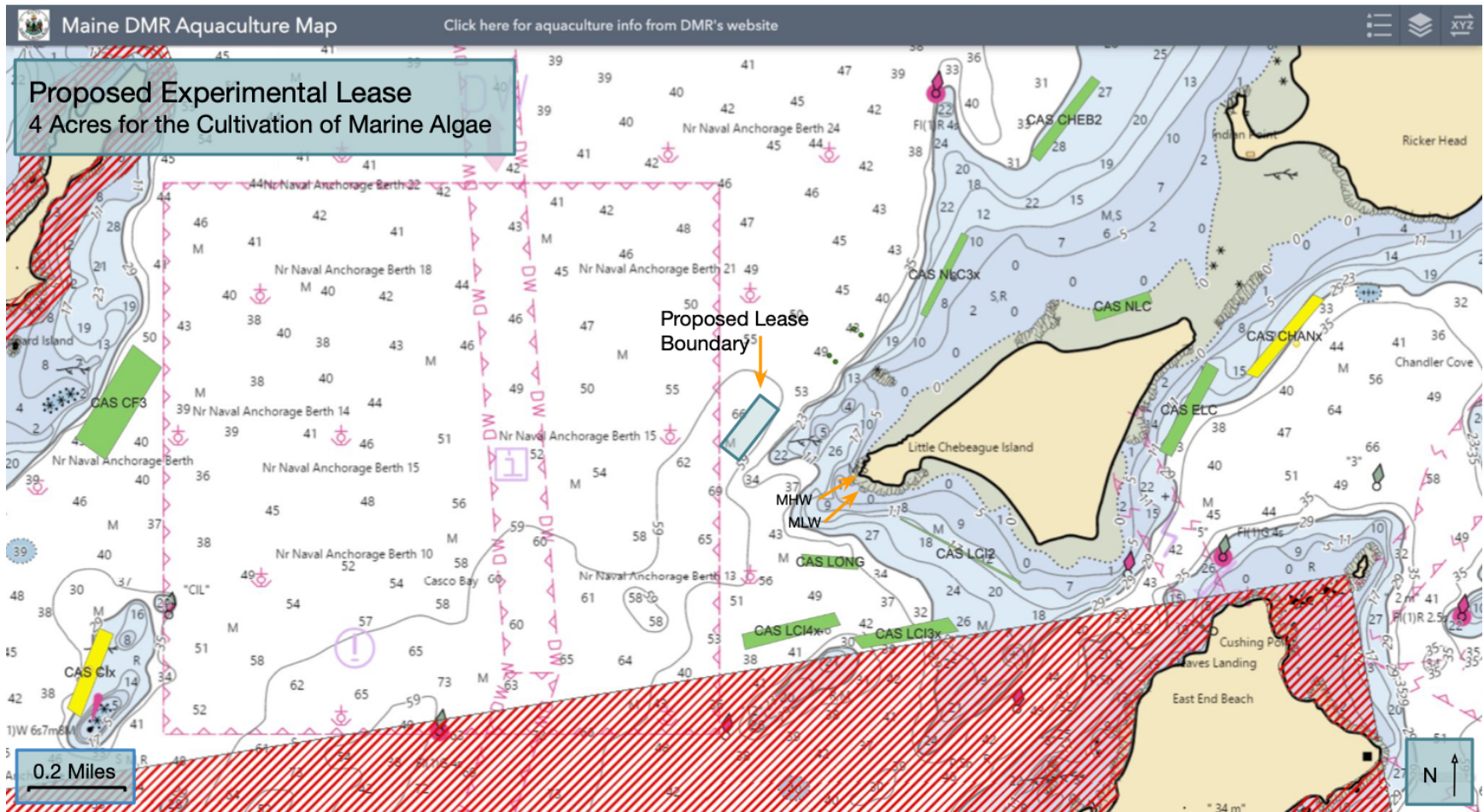


Figure 2. Boundary Drawing (Section 6)

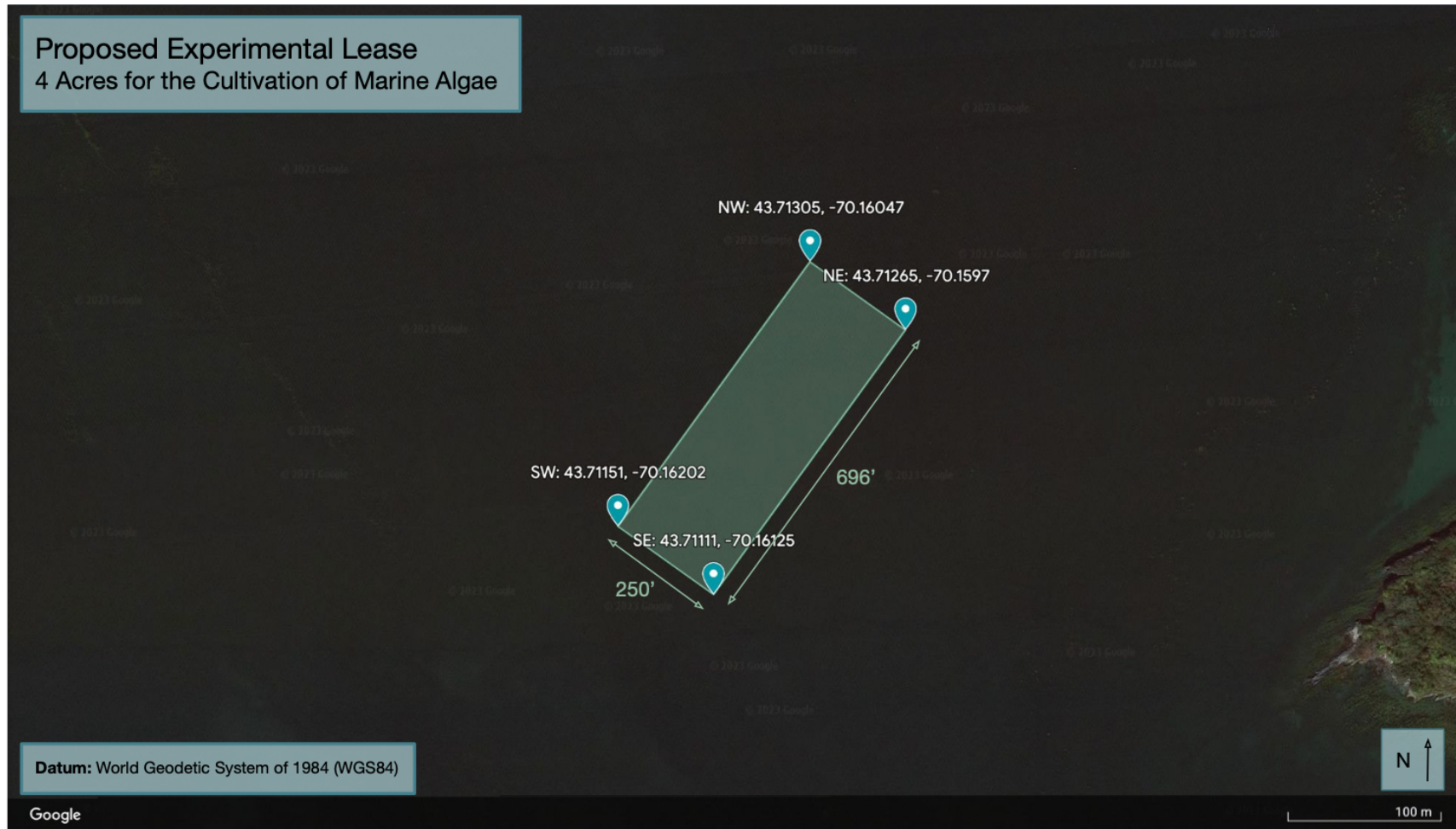


Figure 3. Overhead View During the Growing Season - October 1st to June 1st (Section 12A)

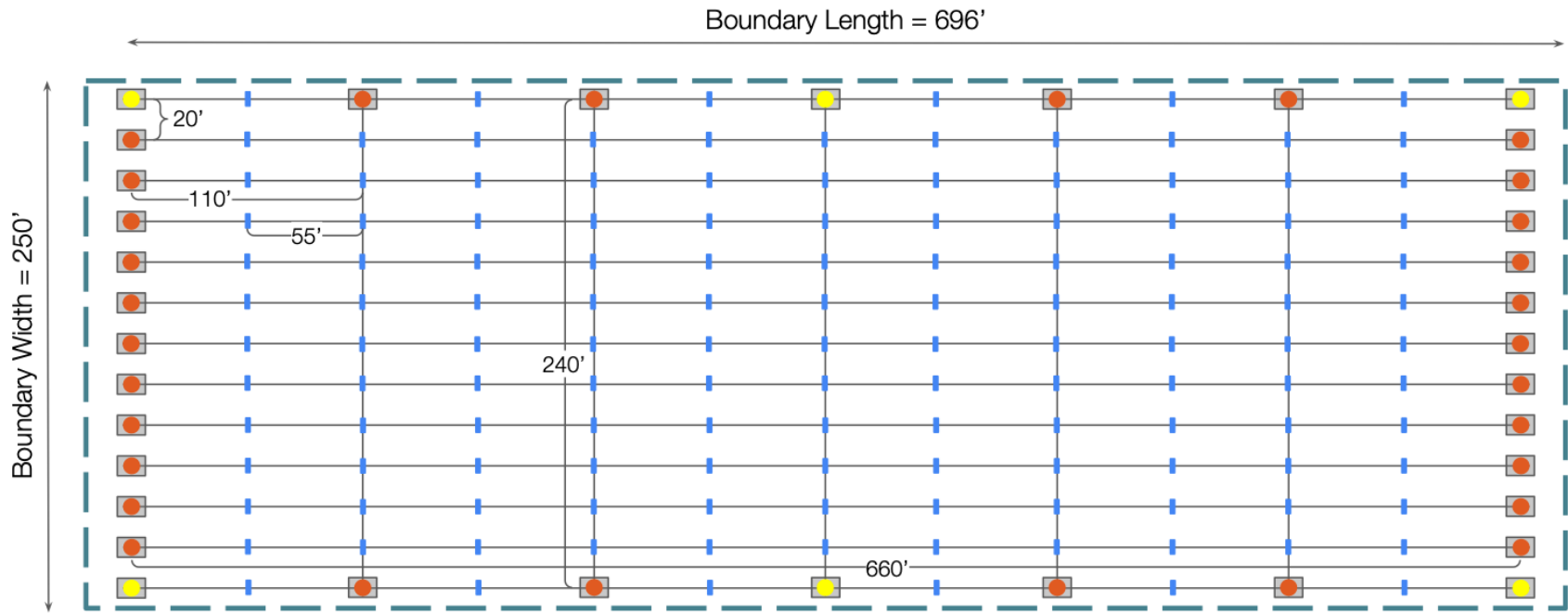


Figure 4. Overhead View During the Off Season -June 2nd to September 30th ((Section 12A)

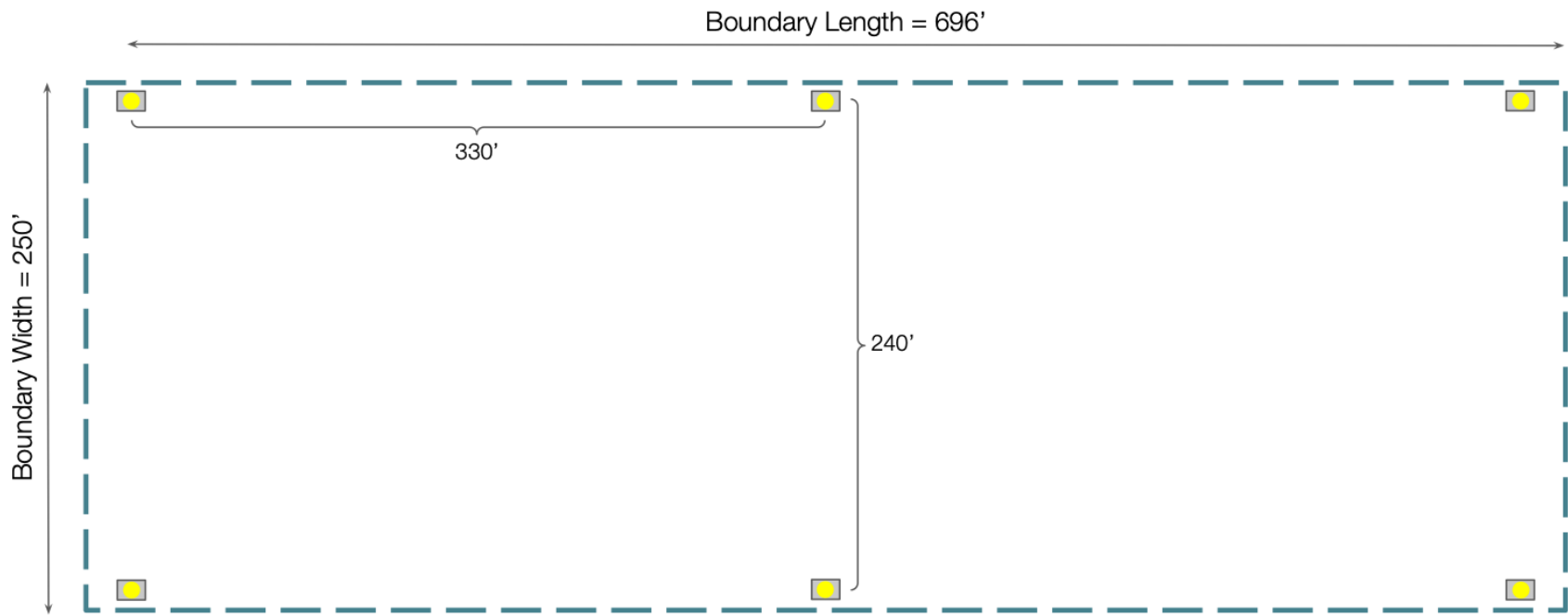
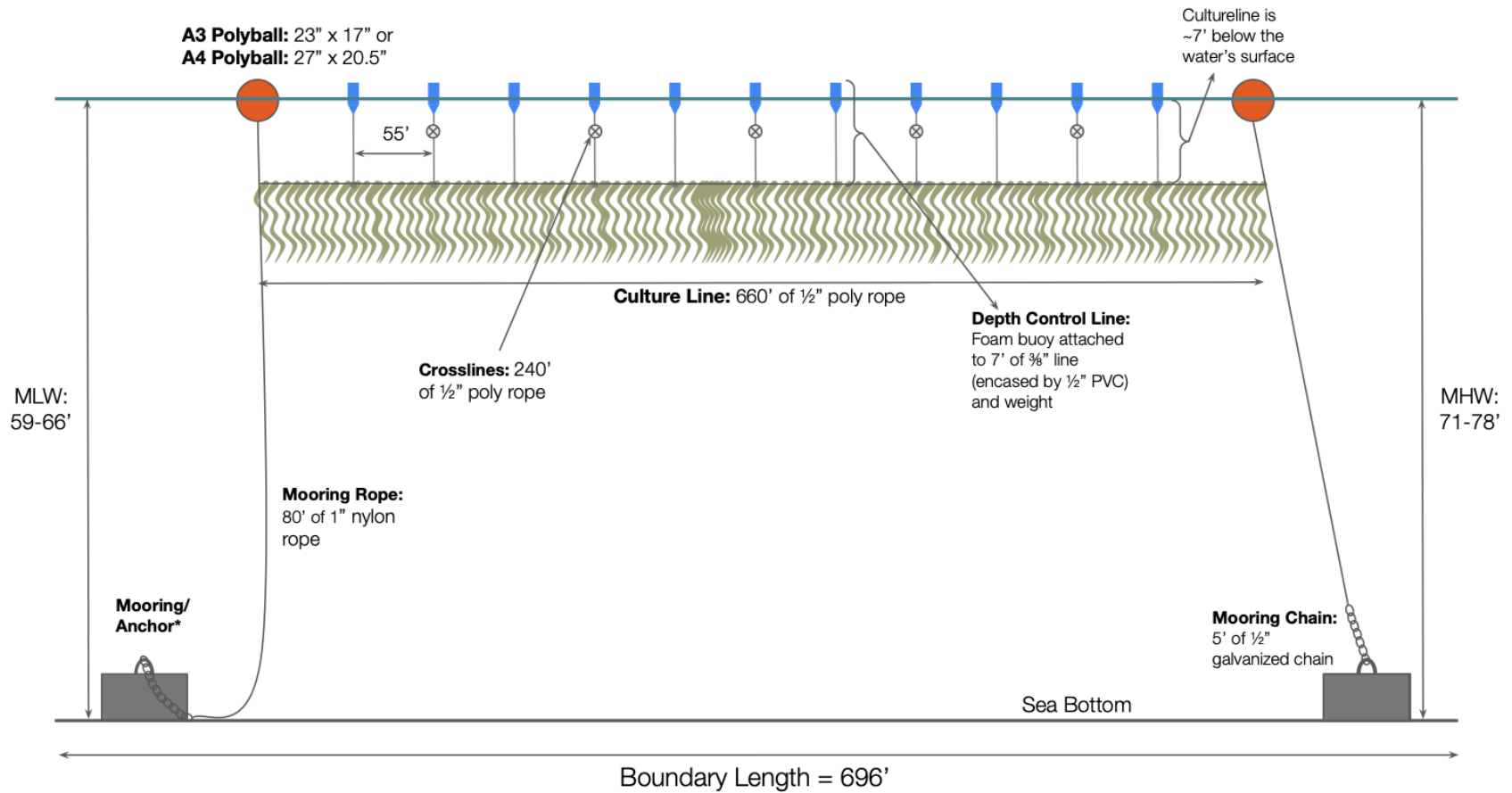
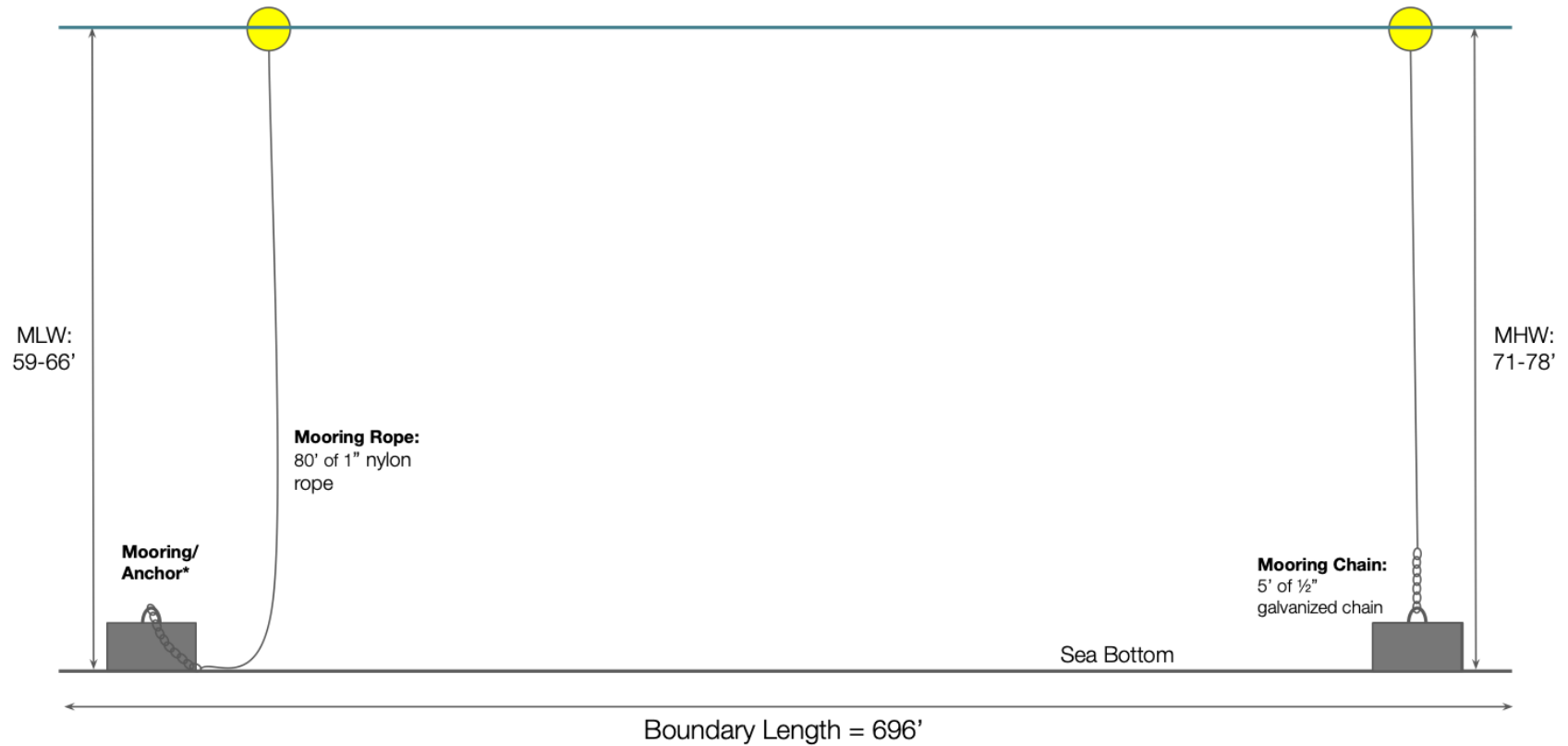


Figure 5. Cross-Section View During the Growing Season - October 1st to June 1st (Section 12B)



*Mooring/anchor type will be dependent on gear availability and site characteristics. See Section 12C for more information.

Figure 6. Cross-Section View During the Off Season - June 2nd to September 30th (Section 12B)




*Mooring/anchor type will be dependent on gear availability and site characteristics. See Section 12C for more information.

Figure 7. Gear Drawing (Section 12D)



Marine Algae Culture Lines
Length: 660'
Diameter: ½"

Crosslines
Length: 240'
Diameter: ½"



A3 or A4 Polyballs/ Mooring Balls

A3
Length: 23"
Width: 17"


A4
Length: 27"
Width: 20.5"



Mooring Lines
Length: 80'
Diameter: 1"



Mooring Chains
Length: 5'
Diameter: ½"



Moorings/Anchors

Pyramid Anchor
Weight: 800 lbs

Concrete Block
Weight: 2000 lbs

Mushroom Anchor
Weight: 350 lbs

Length: 16"
Width: 16"
Height: 16"


Length: 36"
Width: 18"
Height: 12"



Depth Control Buoys
Length: 14"
Width: 7"



PVC Pipe
Length: 7'
Diameter: ½"



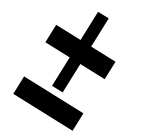
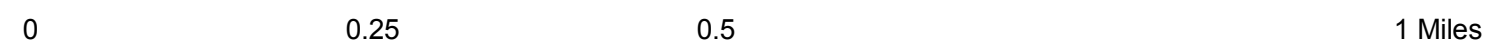
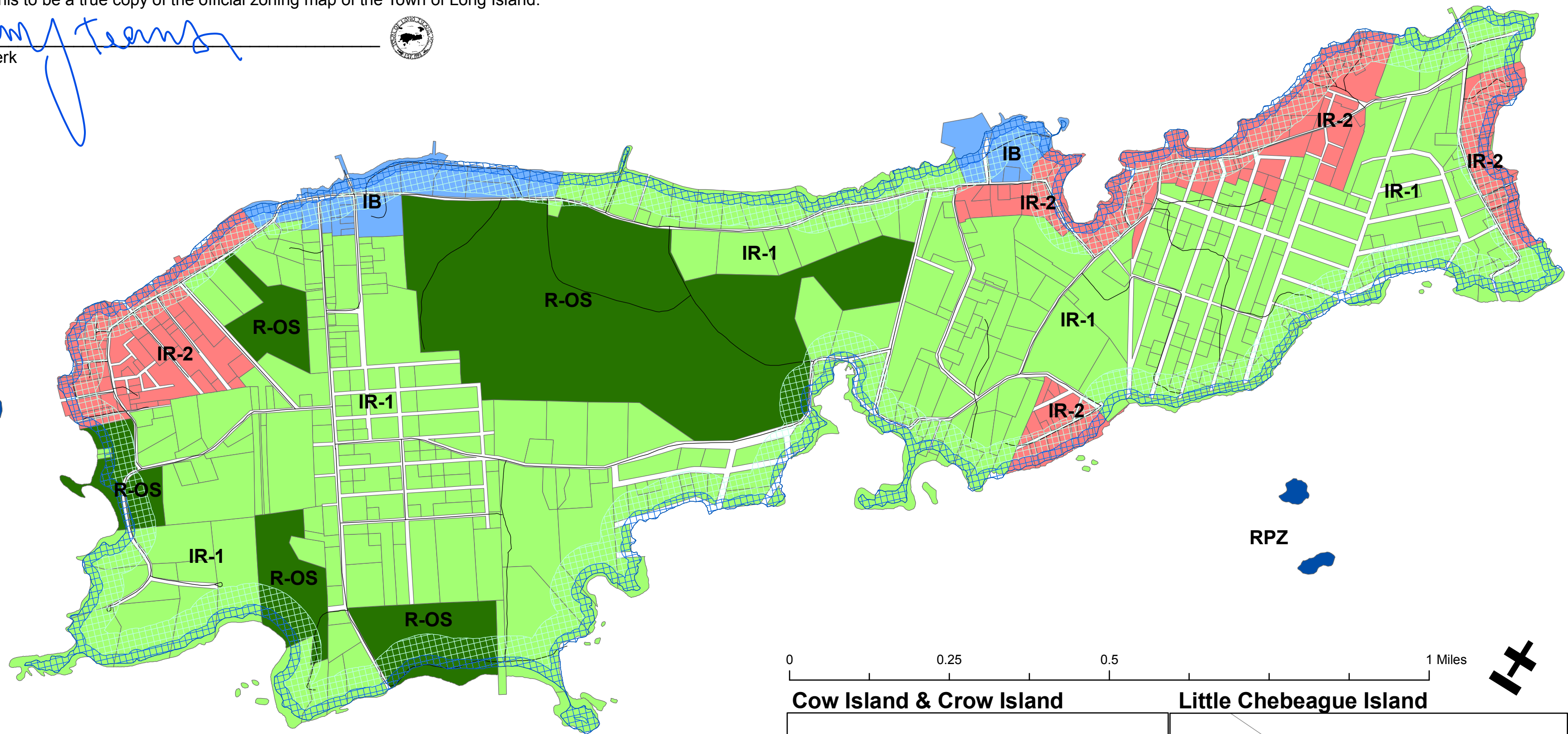
Counterweights
Weight: 10 lbs
Length: 8"
Diameter: 2"

Town of Long Island Official Zoning Map

Note: Zoning Map used as Town of Long Island does not have a Tax Map that includes Little Chebeague Island.

I certify this to be a true copy of the official zoning map of the Town of Long Island.

Cheryl Tamm
Town Clerk



- Zones**
- IR1 - Island Residential Zone 1
 - IR2 - Island Residential Zone 2
 - IB - Island Business Zone
 - R-OS - Recreation - Open Space
 - RPZ - Resource Protection Zone
 - RRZD - Recreation and Resort Zone
 - Shoreland Protection Zone: 75 feet
 - Shoreland Protection Zone: 250 feet

