

EXPERIMENTAL LEASE APPLICATION

1. APPLICANT CONTACT INFORMATION

Applicant	Nicholas Heal	
Contact Person	Nicholas Heal	
Address	230 Heal Road	
City	Lincolnton	
State, Zip	ME, 04849	
County	Waldo	
Telephone	(207) 975-3283	
Email	nickheal86@gmail.com	
Payment Type	<input checked="" type="checkbox"/> Check (included)	<input type="checkbox"/> Credit Card

Note: The email address you list here will be the primary means by which we will contact you. Please provide an email address checked regularly. If you do not use email, please leave this blank.

2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Lincolnton
Waterbody	Ducktrap Harbor
General Description (e.g. south of B Island)	East Ducktrap Harbor
Lease Information	
Total acreage (4-acre maximum) and lease term (3-year maximum) requested	3.99-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)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Note: If you selected yes, you need to complete the steps outlined in the section titled: “17. Landowner/Municipal Permission Requirements”.

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”):	WW
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 <i>(include both common and scientific names):</i>	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 (ASF) 20 Pomerleau St. Biddeford, ME 04005	60,000 lbs
2. Skinny Kelp <i>(Saccharina angustissima)</i>	Atlantic Sea Farms (ASF) 20 Pomerleau St. Biddeford, ME 04005	60,000 lbs
3. Winged Kelp <i>(Alaria esculenta)</i>	Atlantic Sea Farms (ASF) 20 Pomerleau St. Biddeford, ME 04005	10,000 lbs
4. Horsetail Kelp <i>(Laminaria digitata)</i>	Atlantic Sea Farms (ASF) 20 Pomerleau St. Biddeford, ME 04005	10,000 lbs
5. Shotgun Kelp <i>(Agarum cribosum)</i>	Atlantic Sea Farms (ASF) 20 Pomerleau St. Biddeford, ME 04005	10,000 lbs
6. Dulse <i>(Palmaria palmata)</i>	Atlantic Sea Farms (ASF) 20 Pomerleau St. Biddeford, ME 04005	5,000 lbs
7. Irish Moss <i>(Chondrus crispus)</i>	Atlantic Sea Farms (ASF) 20 Pomerleau St. Biddeford, ME 04005	5,000 lbs

8. Sea Lettuce (<i>Ulva lactuca</i>)	Atlantic Sea Farms (ASF) 20 Pomerleau St. Biddeford, ME 04005	5,000 lbs
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B. Do you intend to possess, transport, or sell whole or roe-on scallops? Yes No

If you answered “yes” please contact the Bureau of Public Health to discuss your plans at the following email: DMRPublicHealthDiv@maine.gov

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 determine the viability of a commercial seaweed farm at the proposed site.

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

Marine algae will be seeded onto twenty-five 500 ft horizontal longlines between October and December. The longlines will be suspended approximately 7 ft below the surface and spaced 12 ft apart. Algae will grow on longlines until April when it will be harvested. All marine algae will be harvested by June 15th.

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

Seeding will take place during the months of October, November, and December. Actual seeding months will depend on availability of seed from seed source. The site will be maintained from October 15th to June 15th. Marine algae will be tended from seeding until harvest, generally December-April. Harvesting will occur during the months of April, May, and June. Actual harvest months will depend on growth rates and water temperatures.

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

I will be on the site for approximately 2-5 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.)?

At a minimum the lease site will be visited at least once every other week for routine maintenance, with a goal of weekly visits. Additionally, the site will be tended to after all major storms to assess any potential damage to gear or crop.

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

Marine algae, growing on longlines, will be hauled onto my lobster boat and cut from the culture line. Algae will be packed into 1,000 lb salt bags on deck. During harvest longlines and depth control devices will be removed from the site and stored on my private property until next seeding season.

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 moorings and required lease marking buoys, will be removed from the proposed lease site during the off season, June 16 - Oct. 14.

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?

I will be using my lobster boat and skiff at the site during seeding, tending, and maintenance. During seeding and harvest the pot hauler on my lobster boat will be used to haul longlines.

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

N/A

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)

N/A

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>Some seasonal summer lobstering occurs near the site, but is very rare during the time that culture lines would be in the water. Some scalloping occurs in the harbor, but not near the proposed site.</p>
<p>2. Recreational Fishing</p> <p>Recreational fishing is minimal and limited to summer.</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 site is located in west Ducktrap Harbor. Some boating activity does occur nearby, but is mainly limited to late spring, summer, and early fall.</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>There are no docks or landowners within 1,000 feet of the proposal. A mooring field, associated with the Ducktrap Harbor Condominium Association, is located approximately 650 feet northwest of the proposed lease site. We do not expect activities at the lease site to impact the ingress or egress of property owners using the mooring field. Additionally, most activity at the mooring field would occur outside of the active farming season.</p>
<p>5. Other uses (kayaking, swimming, etc.)</p> <p>Any recreational activities are limited to the summer when the proposed farm is not active and the site is open to use.</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>A mooring field, associated with the Ducktrap Harbor Condominium Association, is located approximately 650 feet northwest of the proposed lease site. We do not expect activities at the lease site to impact the ingress or egress of property owners using the mooring field. Additionally, most activity at the mooring field would occur outside of the active farming season.</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>

No.

9. CURRENT OPERATIONS

Directions: If a question does not pertain to your proposed operations, please write “not applicable” or “N/A.”

A. Describe your existing aquaculture operations, including the acronyms of all active leases and/or licenses.

N/A

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.

N/A

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 proposed lease site is granted I would like to ask that all fishing and boating activities be excluded from the site when longlines are present, generally October 15 - June 15, to prevent a navigational safety hazard or damaging of gear for either party. During the remainder of the year (June 16 - October 14), I would welcome activity on or near the site that would not interfere with the moorings.

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?

40-50 ft

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

52-62 ft

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

The current runs roughly north south at an approximate speed of 0.5-1 knot.

D. The following questions (D.1 through D.6) may be answered in writing or by submitting a video. If you plan to submit a video, please contact the Department prior to video collection.

1. What are the bottom characteristics (mud, sand, gravel, rock, ledge or some mix, etc.)?

The bottom of the proposed site is mainly composed of mud.

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

The slope of the site gently increases from west to east.

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?

Based on fishing activity, I suspect that lobster and crabs are rare near the proposed site.

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

To my knowledge there are no shellfish bed or fish migration routes within the proposed 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 a 2010 study, the proposed lease site is outside of the eelgrass zone and the nearest eelgrass bed (10-40% coverage) is located over 1,000 ft northwest 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 40ft (MLW) and 52ft (MHW) which is not ideal habitat for eelgrass.

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

The nearest shoreline, which is over 1,000 ft from the proposed site, is a rocky beach that changes to residential wooded upland.

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
A3 or A4 Polyballs: Mooring Buoys	A3: 17"x23" A4: 20.5"x27"	Seasonal: Oct. 15 - Jun. 15	22	Marine Algae
Low Drag Buoys: Required Lease Boundary Markers	11.5"x24"	Year-round	6	Marine Algae
Mooring Lines	65'x $\frac{3}{4}$ "	Seasonal: Oct. 15 - Jun. 15 (except for lines associated with required lease boundary markers)	28	Marine Algae
Galvanized Mooring Chains	5'x $\frac{1}{2}$ "	Seasonal: Oct. 15 - Jun. 15 (except for lines associated with required lease boundary markers)	28	Marine Algae
Concrete Blocks: Moorings	2'x3'x1' ~1,000 lbs	Year-round	28	Marine Algae
Longlines	500'x $\frac{3}{8}$ "-7/16"	Seasonal: Oct. 15 - Jun. 15	25	Marine Algae
Center Crossline	288'x $\frac{3}{8}$ "-7/16"	Seasonal: Oct. 15 - Jun. 15	1	Marine Algae
Foam Lobster Buoy: Float for Depth Control Device	7"x14"	Seasonal: Oct. 15 - Jun. 15	125 (5 per longline)	Marine Algae
PVC Pipe: Structure for Depth Control Device	7'x $\frac{1}{2}$ "	Seasonal: Oct. 15 - Jun. 15	125 (5 per longline)	Marine Algae
Counterweight: Weight for Depth Control Device	8"x4"x8" ~10 lbs	Seasonal: Oct. 15 - Jun. 15	125 (5 per longline)	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

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.

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 proposed lease site will be accessed via lobster boat and/or skiff. These boats are kept in Lincolnville Harbor.

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) Nicholas Heal 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.

Nicholas Heal

Applicant Signature

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

1/6/2023

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: Nicholas Heal

Title (if corporate applicant): _____

Signature: Nicholas Heal Date: 1/6/2023

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

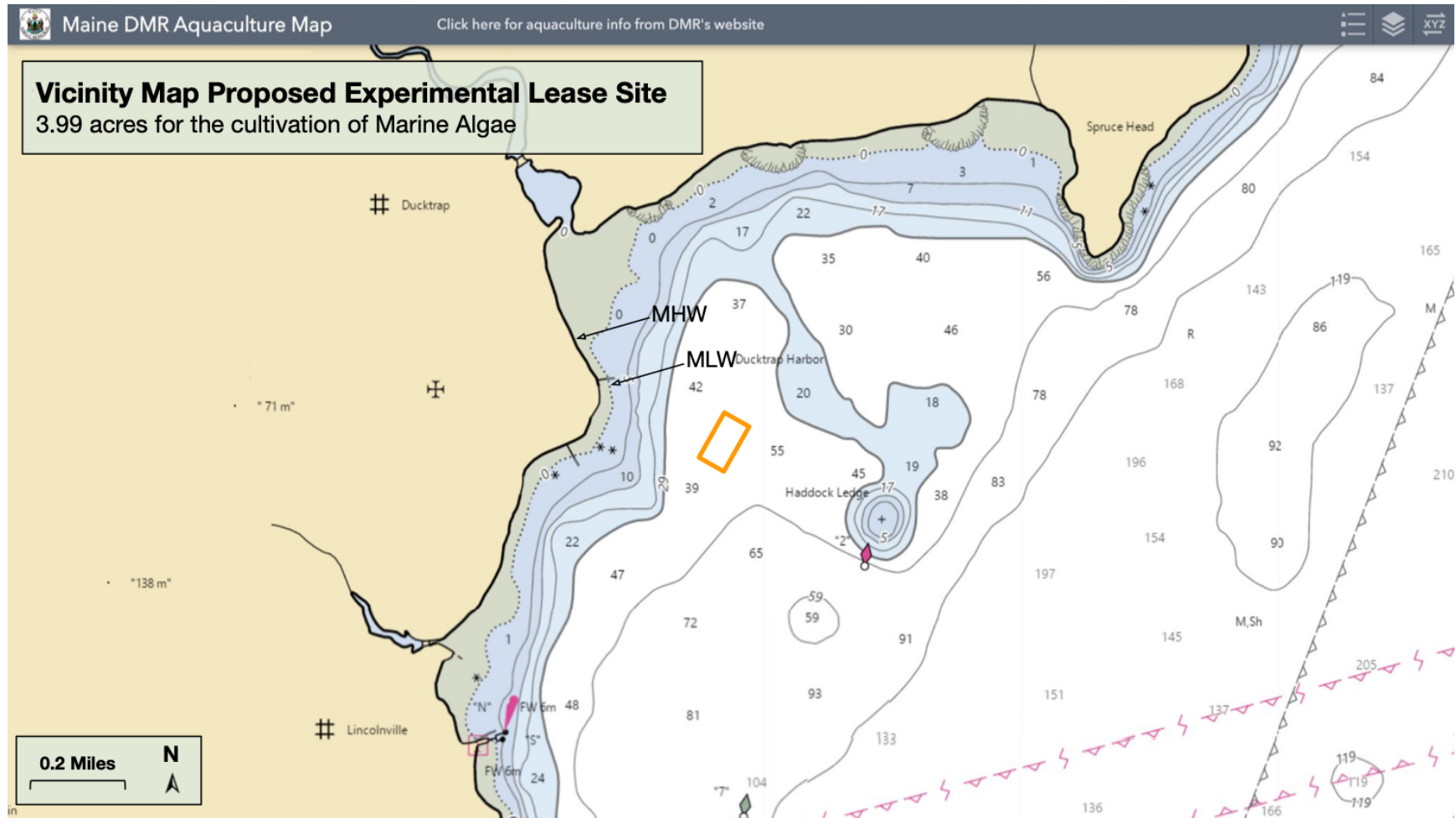


Figure 2. Boundary Drawing - Section 6

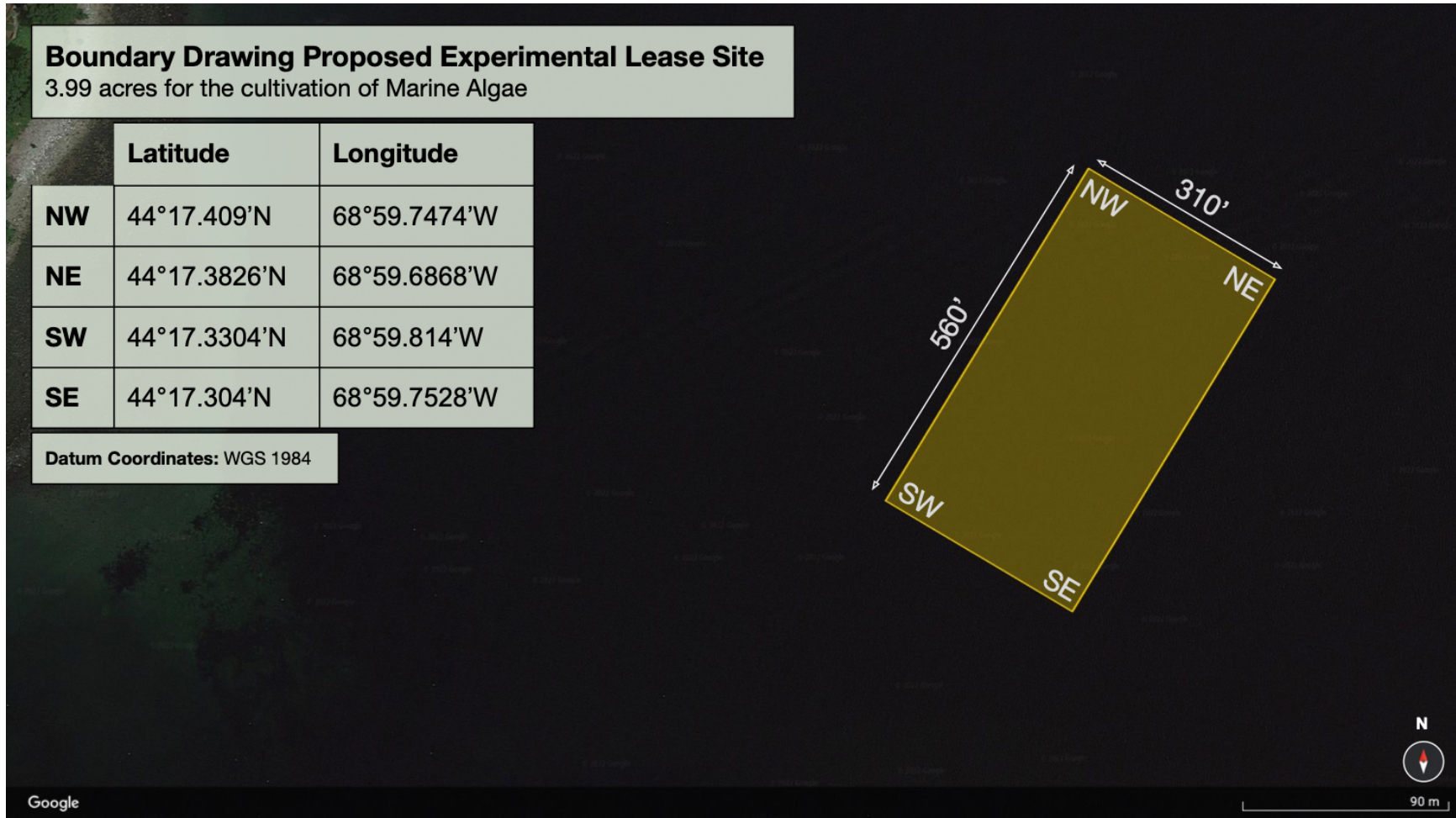
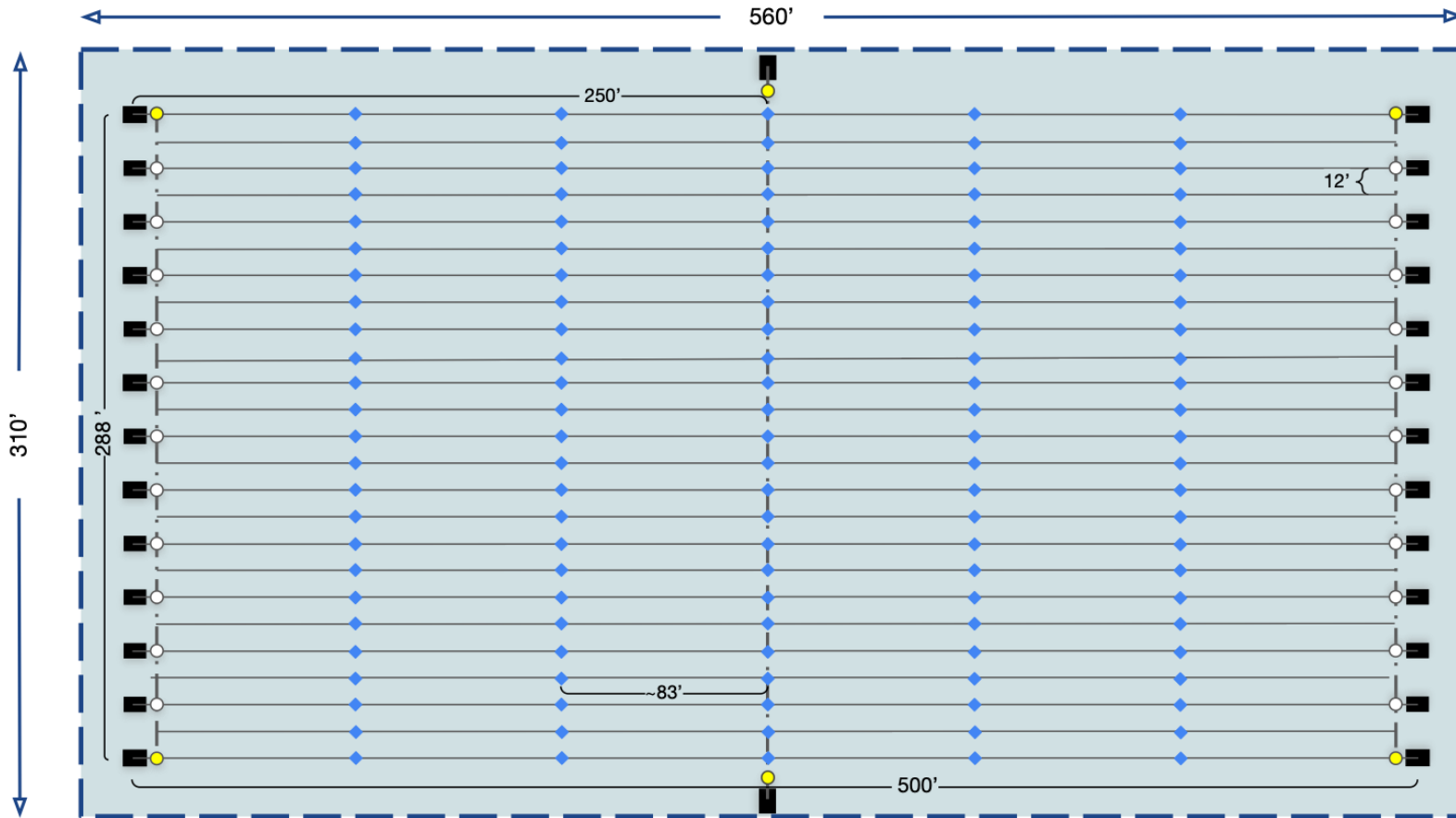


Figure 3. Overhead View during Growing Season (October 15 - June 15) - Section 12A

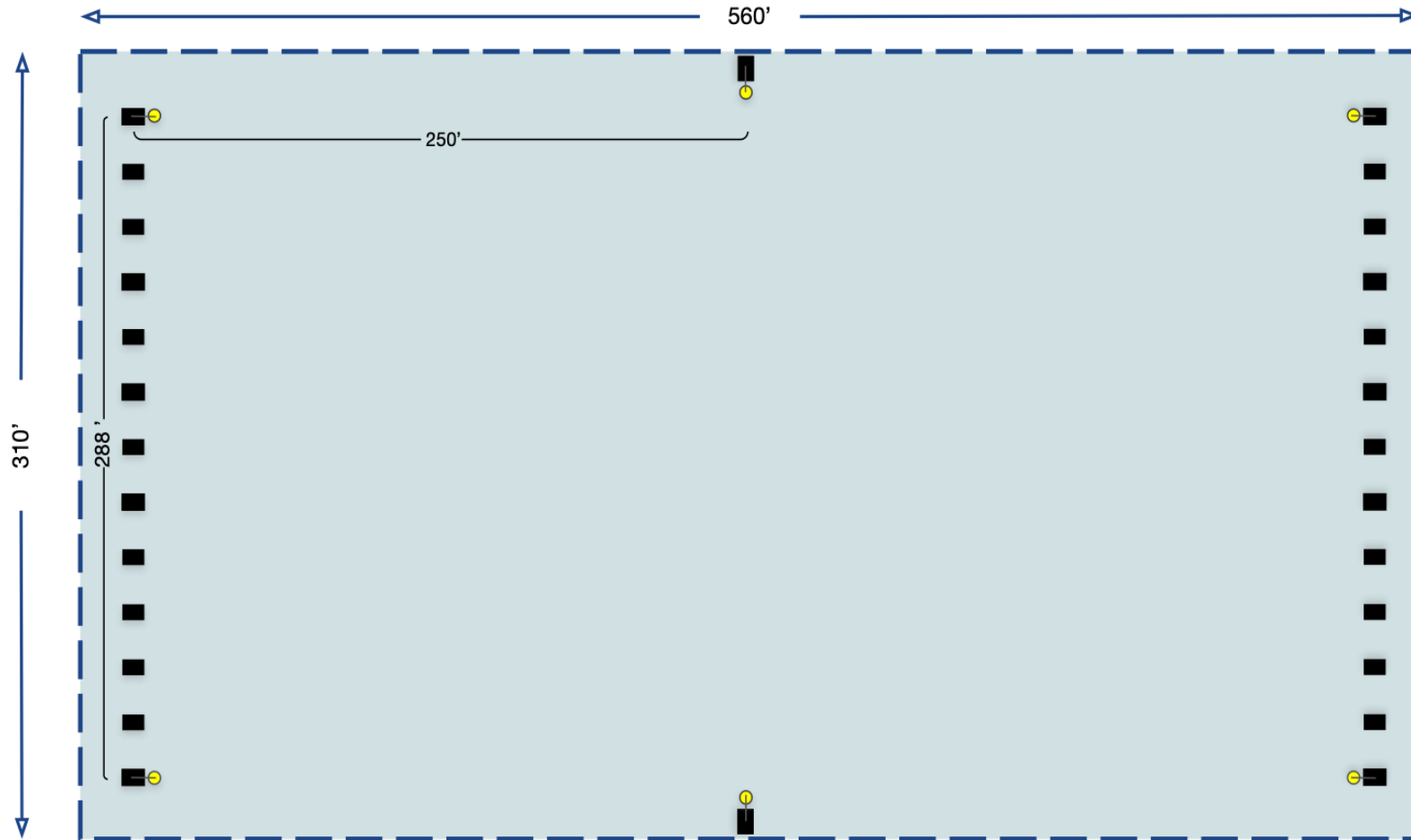


Legend:

- Blue Dashed Line (— — .): Lease Boundary
- Black Solid Lines (—): Longlines
- Black Dashed/Dotted Line (- . - . - .): Center Crossline
- Black Rectangles (■): Moorings

- White Circles (○): Mooring Buoy
- Yellow Circles (●): Required Lease Markers
- Blue Diamonds (◆): Depth Control Lines with Buoys and Weights

Figure 4. Overhead View during Off Season (June 16 - October 14) - Section 12A



- Legend:**
Blue Dashed Line (— — .): Lease Boundary
Black Rectangles (■): Moorings
Yellow Circles (●): Required Lease Markers

Figure 5. Cross-Section View during Growing Season (October 15 - June 15) - Section 12B

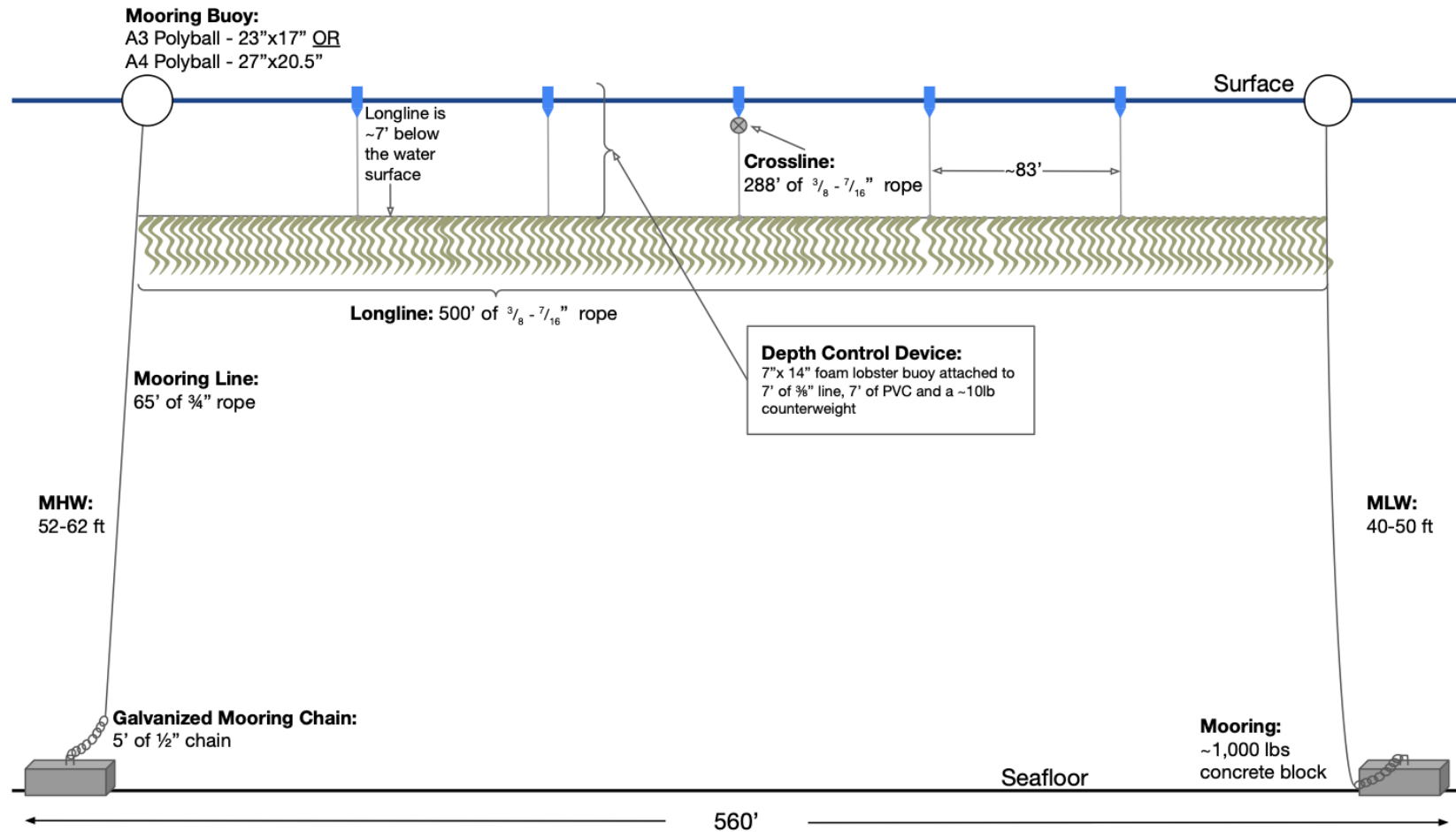


Figure 6. Overhead View during Off Season (June 16 - October 14) - Section 12B

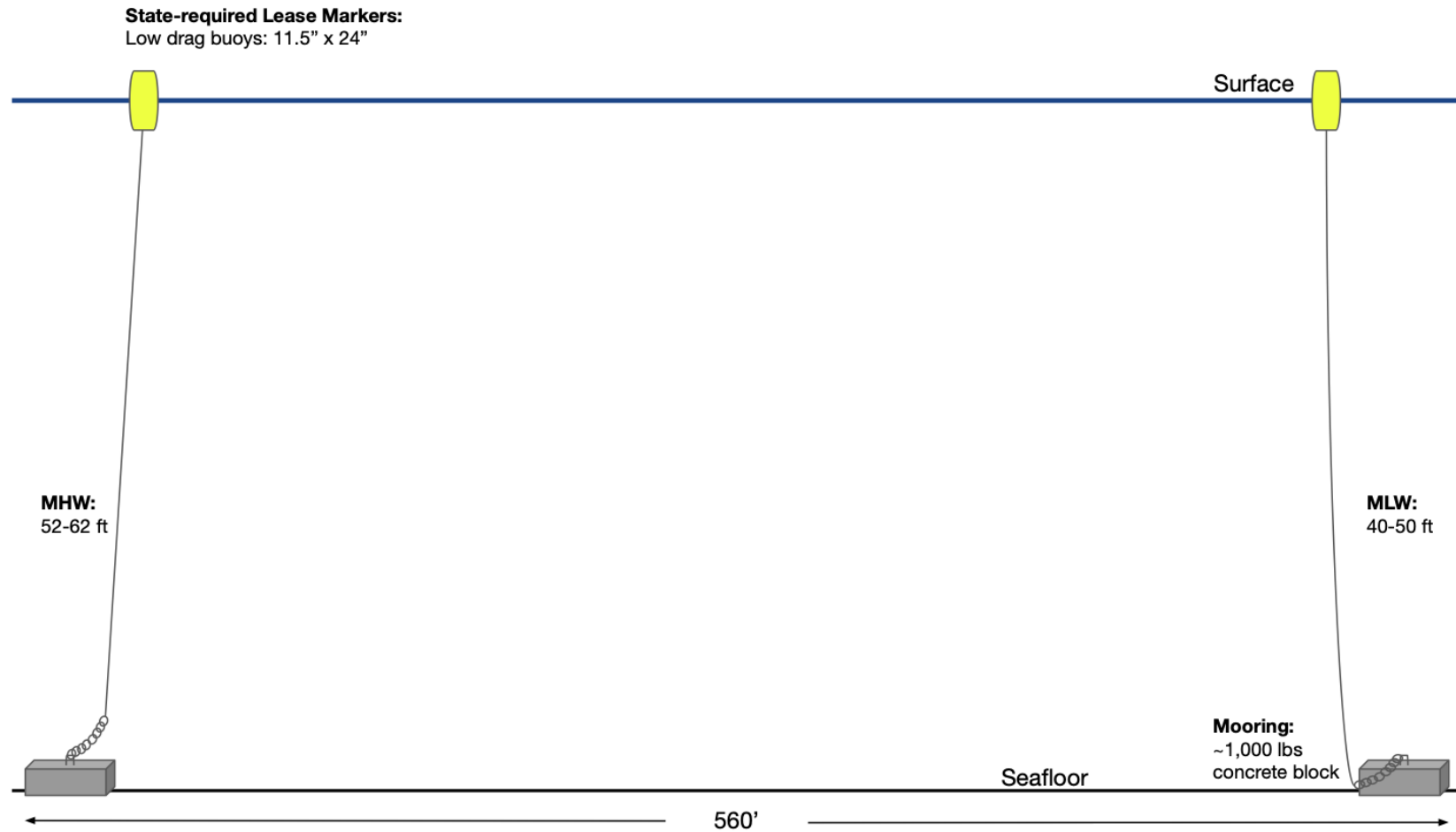











Figure 7. Gear Drawing - Section 12D

 <p>A3 or A4 Polyball: Mooring Buoys</p> <p>Dimensions: A3 Polyball Width - 17" Height - 23" A4 Polyball Width - 20.5" Height - 27"</p>	 <p>Low Drag Buoy: Required Lease Boundary Markers</p> <p>Dimensions: Width - 11.5" Height - 24"</p>	 <p>Mooring Line:</p> <p>Dimensions: Length - 65' Diameter - 3/4"</p>
 <p>Galvanized Mooring Chain:</p> <p>Dimensions: Length - 5' Diameter - 1/2"</p>	 <p>Concrete Block: Mooring</p> <p>Dimension: Length: 2' Width: 3' Height: 1' Weight: ~1,000 lbs</p>	 <p>Longlines & Crosslines:</p> <p>Dimensions: Longlines Length - 500' Diameter - 3/8" - 7/16" Crosslines Length - 288' Diameter - 3/8" - 7/16"</p>
 <p>Foam Lobster Buoy: Float for Depth Control Device</p> <p>Dimensions: Width - 7" Height - 14"</p>	 <p>PVC Pipe: Structure for Depth Control Device (surrounds 3/8" rope)</p> <p>Dimensions: Length - 7' Diameter - 1/2'</p>	 <p>Counterweight: Weight for Depth Control Device</p> <p>Dimensions: Length - 8" Width - 4" Height - 8" Weight: ~10 lbs</p>