

## EXPERIMENTAL LEASE APPLICATION

### 1. APPLICANT CONTACT INFORMATION

Applicant	Greenhead Lobster, LLC	
Contact Person	Hugh Reynolds	
Address	38 Ocean St	
City	Stonington	
State, Zip	ME. 04681	
County	Hancock	
Telephone	207-632-0125	
Email	<a href="mailto:Hugh@greenheadlobster.com">Hugh@greenheadlobster.com</a> <a href="mailto:JMitchell@steamboatroad.com">JMitchell@steamboatroad.com</a>	
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	Stonington
Waterbody	Penobscot Bay
General Description (e.g. south of B Island)	Located in Existing Lobster Impoundments, North of Moose Island. Impoundment 1B located in Allen Cove and Impoundment 1A located across Causeway Road.
Lease Information	
Total acreage (4-acre maximum) and lease term (3-year maximum) requested	2.35 acres, Impoundment area 1A. 1.15 acres, Impoundment 1B 3.50 Total Acres for 3-year term
Type of culture (check all that apply)	<input type="checkbox"/> Bottom <input type="checkbox"/> Land-Based shellfish hatchery, algal enriched, temperature-controlled environment. <input checked="" type="checkbox"/> Floating dock upwelling boxes. <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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Note: The proposed lease site is comprised of (2) impoundments that retain seawater in the intertidal zone ("above Mean Low Water")</b>

**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>

The proposed lease site is comprised of (2) lobster holding pounds “impoundments” that retain seawater in the intertidal zone, above mean low water (MLW) and below mean high water (MHW) levels. The impoundments are physically and hydraulically separated by a causeway (road). Impoundment 1A is located in an open/approved zone. Impoundment 1B is located in a closed/prohibited zone. The intention is to use these pounds for year 1 and year 2 oyster grow-out only, then transfer oysters to other lease sites for year 3/4/5 growth-out as needed.


Seed stock will be stocked into upwellers in impoundment 1A (or 1B). Seed will be transferred to Impoundment 1B at 6mm and grown to 12 mm (0.48”) into floating racks. At this point seed will be relocated back to impoundment 1A at 12mm and remain until they are relocated to other lease sites in the area (About 25 mm). Depending on growth rates this could be at the end of year (1), sometime in year 2, or the spring of year 3.

Because oyster culture is limited in impoundment 1B, the option to hold lobsters in the impoundments would like to be maintained under the condition that no live lobsters will be held in an impoundment while oysters are being held or cultured within the same impoundment area. Because the impoundments are hydraulically isolated, lobsters could be held in impoundment 1B while there are oysters being cultured in impoundment 1A.

#### Impoundment 1A:

Growing Area Designation (e.g. “WL”):	EC
Growing Area Section (e.g. “A1”):	A1 

#### Impoundment 1B:

Growing Area Designation (e.g. “WL”):	EC
Growing Area Section (e.g. “A1”):	P4 

**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)

## Reference Material for Growing Area Designation

**From:** Ed Aneshansley  
**Sent:** Wednesday, October 12, 2022 9:53 AM  
**To:** DMRPublicHealthDiv <[DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)>  
**Cc:** Jason Mitchell <[jmitchell@steamboatroad.com](mailto:jmitchell@steamboatroad.com)>; Luke <[Luke@steamboatroad.com](mailto:Luke@steamboatroad.com)>  
**Subject:** Experimental Aquaculture Lease application

**EXTERNAL: This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.**

To whom it may concern,

I am reaching out as part of the aquaculture lease permitting process. We are in the process of applying for an experimental permit in two lobster pounds in Hancock County. The pounds are separated physically and hydraulically by a causeway. One pound is located in a closed/prohibited zone the other is in an open zone.

Impoundment 1A = Open Zone

Impoundment 1B = Closed Zone

This email is in response to the note below from the permit application:

**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)

Our intension is to combine both pounds under one experimental lease (total 3.5 acres). The lease applicant owns both properties that the pounds reside on. The pounds will be repurposed to hold American Oysters. American Oysters seed will be sourced from an approved hatchery in Maine. The intention is to use both impoundments for year-1 and year-2 growout of Oysters. Oysters will be moved to alternative lease sites for year 3/4/5 growout as needed. No oysters will be sold from the closed zone (Impoundment 1B) for direct human consumption, but we would like the option of holding oysters in the open zone (Impoundment 1A) prior to sale for consumption.

Please let me know if you need further information regarding our plans.

Thanks

Edward D. Aneshansley, MPS, P.E.

Hi Ed,

You can only grow oyster seed to the maximum seed size as defined in Chapter 2 (0.5") in a Prohibited area. If your plans allow for that movement before they reach 0.5" then you are all set.

You can discuss the details of the classification with David Miller who supervises the growing area, I have cced him. -Kohl

**J. Kohl Kanwit**

Director, Bureau of Public Health

Maine Department of Marine Resources

[P.O. Box 8](#)

[West Boothbay Harbor, ME 04575](#)

C: 207-557-1318

[kohl.kanwit@maine.gov](mailto:kohl.kanwit@maine.gov)

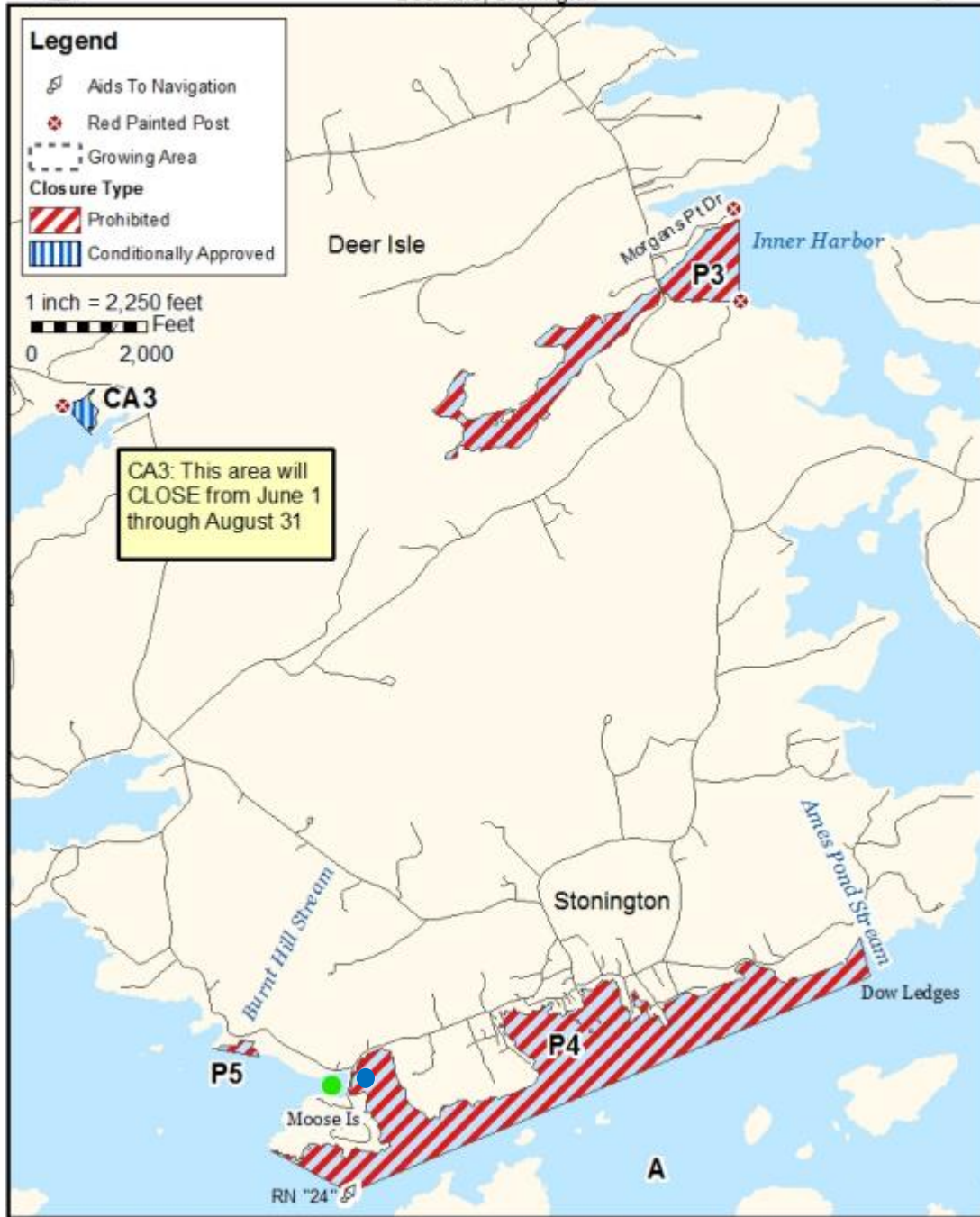


# Maine Department of Marine Resources

## Growing Area EC, Inset C

March 29, 2021

Deer Isle, Stonington



This map is provided as a courtesy. Read the provided legal notice for closure details. Closures are not shown outside of the designated growing area. Maritime navigational aids are for reference only and are not suitable for maritime navigation.

 Impoundment 1A (Open)

 Impoundment 1B (Closed)

## 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. American/ Eastern Oyster (Crassostrea virginica)	Doweast Institute Beals, ME. 207-497-5769 Cold Tolerant Oyster Strain  Or approved DMR Hatchery	-Up to 2 million Oysters seed per year Anticipated annual Production: -1.2 million year one. -1.0 million year two.

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SPECIES DIRECTORY

### Eastern Oyster

Overview | Oyster Management and Restoration | Aquaculture | Resources

**Eastern Oyster**  
*Crassostrea virginica*



**Also Known As**  
American oyster, Atlantic oyster, American cupped oyster, Virginia oyster

**Quick Facts**

**LENGTH** Average 3–5 inches in length; can grow up to 8 inches  
**LIFESPAN** Up to 20 years  
**THREATS** Habitat loss, overharvesting, disease, degraded water quality, changing conditions due to climate change  
**REGION** New England/Mid-Atlantic, Southeast

**About the Species**

The Eastern oyster is treasured as food by humans and other species. They are *habitat* for fish, crabs, and other critters—and because as filter feeders, they help filter the water. Centuries ago, they were plentiful. In some places, reefs were so big that ships had to navigate around them. Since then, in many areas, the populations have dwindled to just a few percent of what they once were. This is due to disease, overharvesting, habitat loss, and poor water quality.

But people—including NOAA scientists—are working hard to rebuild oyster populations. Many people are growing oysters for people to eat. Oyster aquaculture—farming of these tasty shellfish—is a growing industry. And NOAA and our partners are working to restore the healthy oyster reefs that so many other species rely on for habitat. Recreational anglers target healthy reefs for fishing opportunities, too. In the Chesapeake Bay, for example, NOAA and partners are involved in the [world's largest oyster restoration effort](#). There, they have restored nearly 1,100 acres of oyster reef.

**Appearance**

- Reaches 8 inches at maturity.
- The shell has smooth edges and is oval in shape. The inside of the shell is white to offwhite to brownish in color.
- The shell has a 'cupped' shape to it, giving rise to its alternate name 'American cupped oyster.'

**Biology**

- Are of the shellfish family. Like mussels, clams and scallops they are bivalve mollusks, and have a hinged shell.
- Adults are sessile – they stay in one place – and inhabit both intertidal and subtidal areas.
- Have fast growth rates and high reproduction rates.
- First mature as males, then later develop female reproductive capabilities.
- Each female can produce over 100 million eggs during a spawning event.

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)

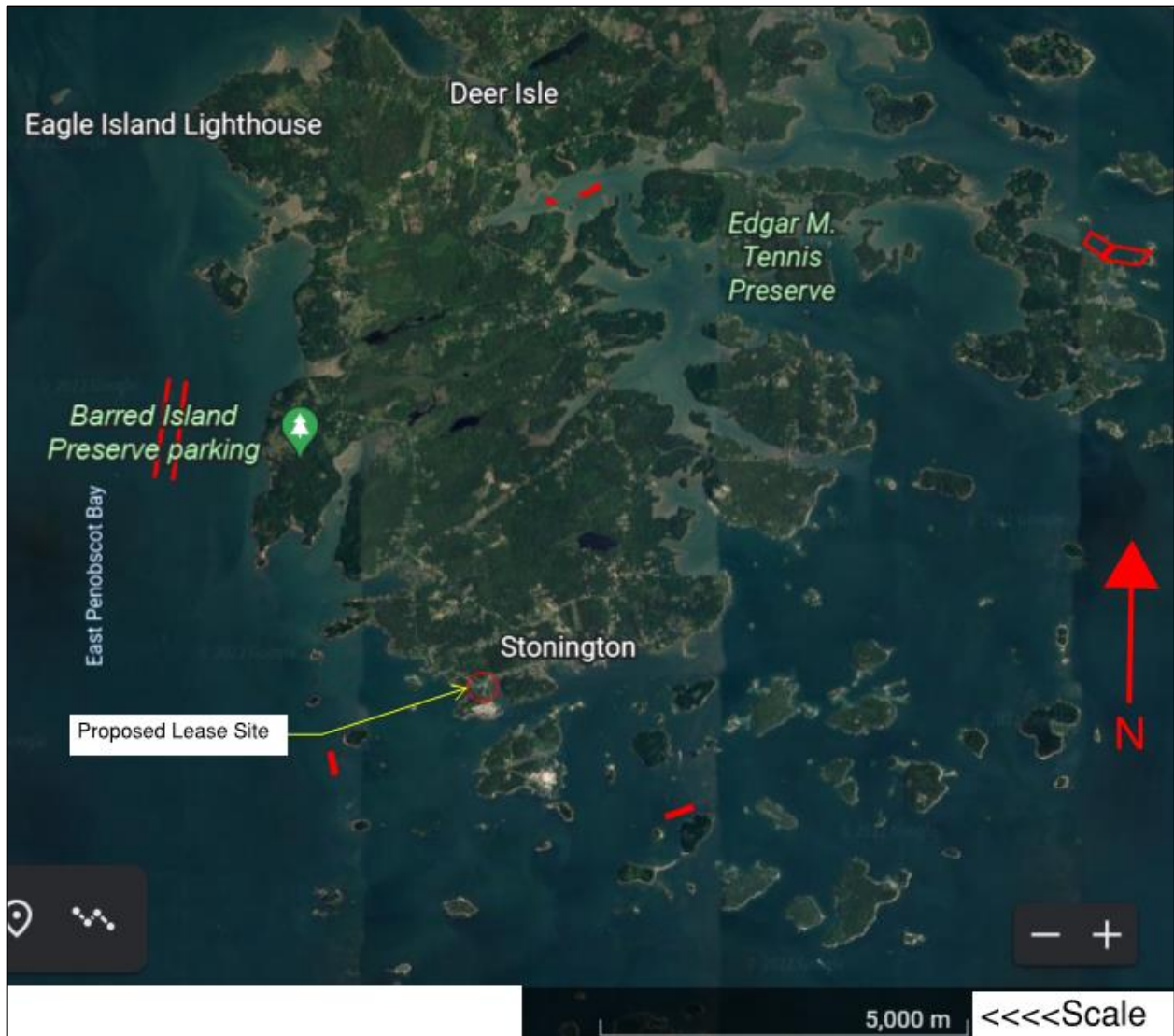
## 5. VICINITY MAP

**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

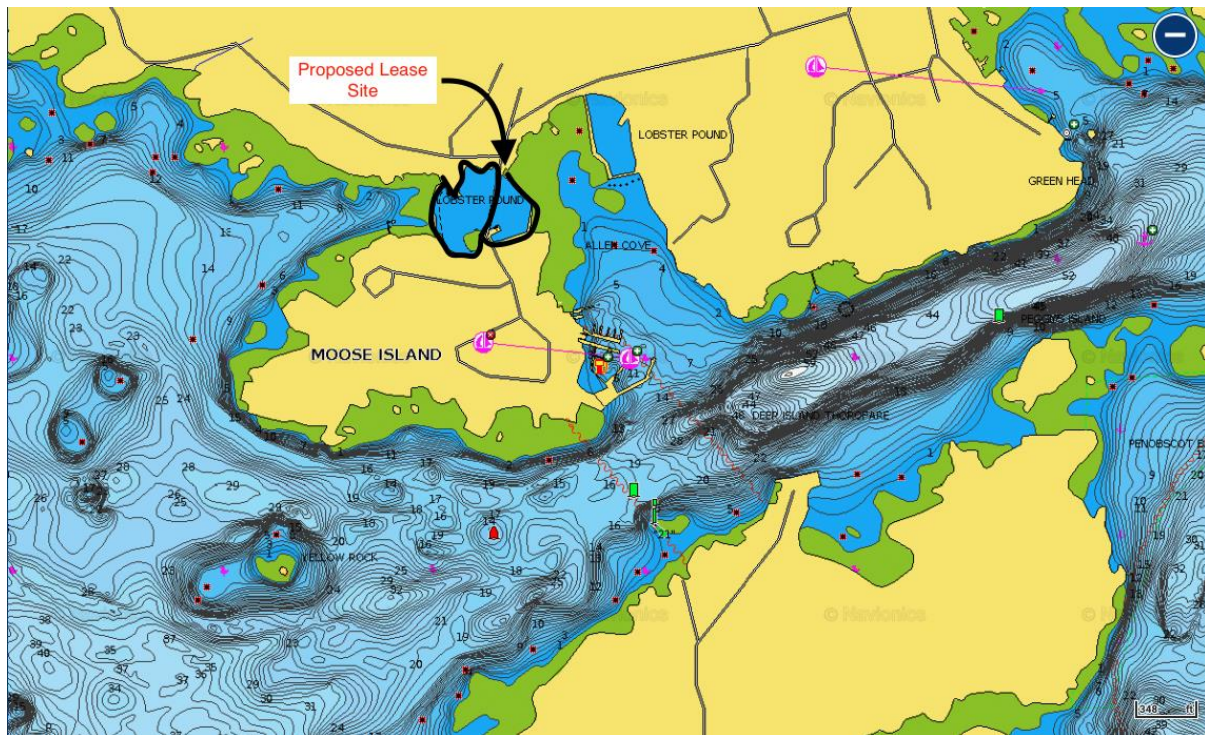
### Regional Vicinity Map (Google Earth)



### Local Vicinity Map (Google Earth)



### Vicinity Map (Bathymetry)



## 6. BOUNDARY DRAWING

**Note:** If you attach a drawing, please label it ‘Boundary Drawing’.

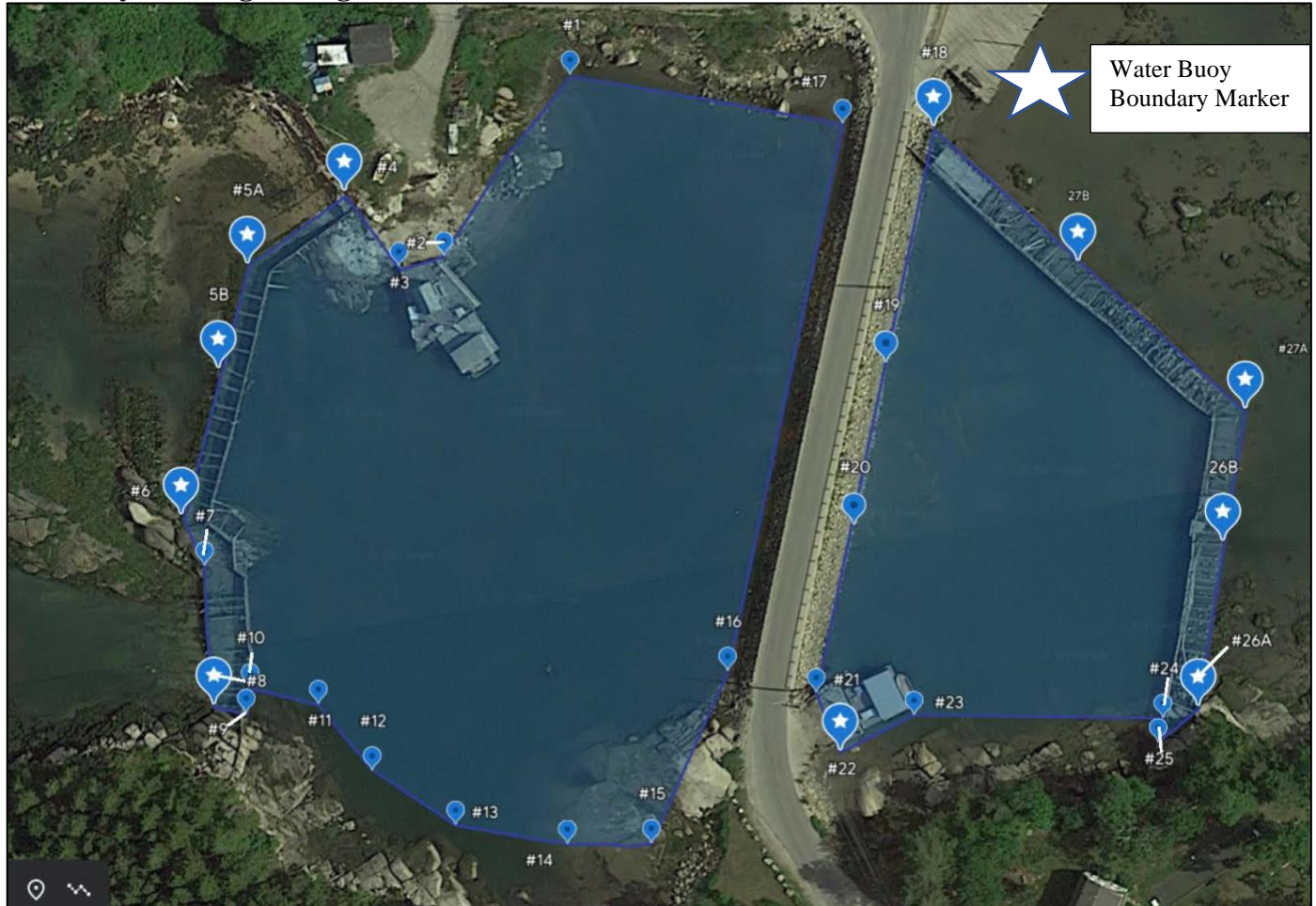
**Directions:** Depict the boundaries of the proposed lease site. Provide a drawing with all corners, directions, and distances labeled. Provide coordinates for each corner as follows:

- 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.

***SEE NEXT PAGE***



### Boundary Drawings (Google Earth)



#	Survey Point	Latitude	Longitude	Water Buoy
1A	1	44.1515420	-68.6814500	
	2	44.1514182	-68.6813374	
	3	44.1512840	-68.6818450	
	4	44.1513196	-68.6812879	X
	5A	44.1513000	-68.6822030	X
	5B	44.1511250	-68.6822030	X
	6	44.1508968	-68.0000000	X
	7	44.1507196	-68.6813767	
	8	44.1507196	-68.6813767	X
	9	44.1506080	-68.6821610	
	10	44.1506395	-68.6821097	
	11	44.1506343	-68.6820505	
	12	44.1505090	-68.6819330	
	13	44.1504640	-68.6815779	
	14	44.1504831	-68.6815865	
	15	44.1504560	-68.6813260	
	16	44.1504831	-68.0000000	
17	44.151350	-68.6809090		

<b>1B</b>	<b>18</b>	<b>44.1515070</b>	<b>-68.6807060</b>	<b>X</b>
	<b>19</b>	<b>44.1511180</b>	<b>-68.6808190</b>	
	<b>20</b>	<b>44.1509440</b>	<b>-68.6808650</b>	
	<b>21</b>	<b>44.1508175</b>	<b>-68.6809723</b>	
	<b>22</b>	<b>44.1505740</b>	<b>-68.6809470</b>	<b>X</b>
	<b>23</b>	<b>44.1506735</b>	<b>-68.6809424</b>	
	<b>24</b>	<b>44.1506093</b>	<b>-68.6803056</b>	
	<b>25</b>	<b>44.1506093</b>	<b>-68.6803056</b>	
	<b>26A</b>	<b>44.1506280</b>	<b>-68.6801640</b>	<b>X</b>
	<b>26B</b>	<b>44.1508690</b>	<b>-68.6801130</b>	<b>X</b>
	<b>27A</b>	<b>44.1510840</b>	<b>-68.6800720</b>	<b>X</b>
	<b>27B</b>	<b>44.1513130</b>	<b>-68.6804120</b>	<b>X</b>

The site boundaries are dictated by the specific impoundment area, the impoundment structures and neighboring private lots. The intention is to lease the entire impoundment area, including the structures that hold back water, without encroaching on private land that is not owned or controlled by the lease applicant. The intention is to provide a 15' setback for the lease boundary from any adjacent lot line with the exception of where the existing impoundment structure may approach any lot line. If more specific information on site boundaries is required due to the specific nature of the site boundary, it is requested that the intention be demonstrated and documented within this lease application and that the application be considered for conditional approval. The condition being that a survey is conducted documenting the site boundaries and demonstrating the intention outlined in this paragraph has been withheld.

## 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 lease is to determine the feasibility and viability of transforming the existing lobster pounds into commercial early rearing facility for American Oysters in Hancock County.

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

Impoundment 1A (or 1B), (Stage-1)

-Stocking 2mm seed stock and growing to 6 mm in floating upwellers.

Impoundment 1B. (Stage-2)

-Transfer to bags on floating Crates, grow from 6 mm to 12 mm.

Impoundment 1A. (Stage 3) Early Rearing of American Oysters

-Stocking at 12 mm growing to 25 mm in bags, with floating crates.

When oysters are not present in an impoundment area, the option to hold wild-caught lobsters is maintained in that impoundment, at historically managed levels indicated above. Lobsters are not medicated when they are maintained in the impoundment.

Stage-1 Oysters	Stocking Size (mm)	Transfer Size (mm)	Harvest Density (oyster/silo-bag)	Quantity of oysters	# Silos/bags needed	Silos per upweller	Required Upwellers	Impoundment
Seed Stock into upweller	2	4	60000	2,000,000	33	8	4	1A
Redistribute upwellers	4	6	30000	1,800,000	60	8	8	1A
Stage-2 Oysters	Stocking Size (mm)	Transfer Size (mm)	Harvest Density (oyster/silo-bag)	Quantity of oysters	# Silos/bags needed	Bags/Rack	Required Racks	Impoundment
Oyster Grow Bag (6 mm Mesh)	6	10	5000	1,400,000	280	6	47	1B
Oyster Grow Bag (9 mm Mesh)	10	12	2000	1,200,000	600	6	100	1B
Stage-3 Oysters	Stocking Size (mm)	Transfer Size (mm)	Harvest Density (oyster/bag)	Quantity of oysters	# Bags needed	Bags/Rack	Required Racks	Impoundment
Oyster Grow Bag (9 mm Mesh)	12	15	800	1,100,000	1375	6	229	1A
Oyster Grow Bag (14 mm Mesh)	15	20	600	1,100,000	1833	6	306	1A
Oyster Grow Bag (18 mm Mesh)	20	25	400	1,000,000	2500	6	417	1A

Transport by boat to offshore lease sites for further Growout.

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

Seeding will take place between March 1-May 31.  
 Sorting and handling will be managed in the March 1-October 31 spring summer and fall.  
 We intend to conduct year-round culture operations, including overwintering.  
 Transfer to growout will likely take place in the early spring (March/April) after winter holdover in the pounds.  
 The facilities will be tended year-round.

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

Intend to be on the site 4-7 days/week during seeding (March 1- May 31), 4-7 days during the summer (June 1- October 31) and once a week during the winter (Nov 1- March 1)

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

Daily in the summer (May 1- October 31), once a week in the winter (Nov 1 – March 1).

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

Seed stock will be housed in mesh bags for transportation to grow-out sites. Our Experimental Lease application for a grow-out site located west of Bold Island and NE of Camp and Coot Islands was submitted at the same time as this lease application.

**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.

Overwintering will take place from November through March. Floating Racks will be filled with water and overwintered in the lease site. Crates will also be submerged to avoid ice if needed. Floating upwellers will be removed from the water and stored onshore within the property line.

**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?

Site is accessible from boat and from shore. There is a service dock that will be utilized to tie up a service skiff and for direct access to the floating upwellers. Service Schiff will be used to maintain floating crates. Existing Aerators may be used to promote growth of prevent surface ice buildup. The service skiff will be used to perform all site operations, 4-7x per week between (March 1-October 31) and once a week in the winter (Nov 1- March 1)

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

All culture will be enclosed in covered upweller boxes and mesh bags.

**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)

Deterrents such as predator bird decoys and physical deterrents on floating racks will be applied.

## 8. EXISTING USES

**Directions:** Describe the existing uses of the proposed area. Please include the amount of activity, the time of year the activity occurs, frequency, and proximity to the lease site.

**A.** Describe the existing uses of the proposed area in questions A.1 through A.5 below. Please include the a) type b) time of year c) frequency, and d) proximity to the lease site for each existing use.

### 1. Commercial Fishing

The site currently operated as commercial lobster pounds. The owner would like to maintain the option to hold lobsters at historical capacities if they are not intermingled with oysters.

### 2. Recreational Fishing

None.

<b>3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)</b>
None.
<b>4. Ingress and egress (i.e. coming and going) of shorefront property owners within 1,000 feet of the proposal (e.g. docks, moorings, landing boats on shore, etc.)</b>
There is continuous year-round access from land, via maintained public road (Sand Beach Rd), and from water at and around high tide. There is existing dock access and some land-based facilities on site.
<b>5. Other uses (kayaking, swimming, etc.)</b>
None, Private.

<b>B. Are there private docks, moorings, or other access points within 1,000 feet of the proposed lease? If yes, please include approximate distance from proposed lease.</b>
Yes, there are two private docks associated with an adjacent landowner within 1000 feet of impoundment 1A. Impoundment 1A and 1B is separated by a causeway with a road crossing it. Impoundment 1B is located in Allen cove which is commercially utilized and closed to shell-fishing. Several private docks and a commercial boat yard with several boat slips are located within 1000 ft on that side, as well as (2) other lobster pounds, under the same ownership as the impoundments in this application. Activities on the site are anticipated to be similar to the current operation. If anything the boating traffic is expected to decrease to impoundment 1B due to product being moved by land between the two impoundments, and distributed by boat, once a year from Impoundment 1A.

Private and commercial Piers:



Source: Google Earth.



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 is commercial operation in Allen Cove within 1000 ft of impoundment 1B.  
See map above.

D. Are there any Limited Purpose Aquaculture (LPA) licenses or aquaculture leases within 1,000 feet of your proposed lease site? If yes, please list their acronyms below.

Current and pending aquaculture leases and active LPA licenses may be found here:  
<https://www.maine.gov/dmr/aquaculture/leases/index.html>

There are no LPA licenses or leases within 1000 ft.



## 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.

The lease applicant is the owner and operator of Greenhead Lobster company. This company is a well-established distributor of live lobsters, and processed lobster tails and meat. The owner of this company has significant waterside resources to support the operation of the proposed activities including multiple lobster pounds, land-based holding tanks, out of state recirculation lobster holding systems, boats, docks, personnel and processing equipment.

**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.

We currently do not have any existing leases or LPA licenses. We have currently applied for (2) experimental leases (this application and another submitted at the same time for an experimental lease for a grow-out located west of Bold Island and NE of Camp and Coot Islands). We currently do not have any LPA licenses but are planning to apply for LPAs in the near future.

## 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.

We will expect to maintain the same exclusive rights that currently apply to the privately held lobster pound.

## 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?

Traditionally this is an intertidal zone that is entirely drained of water at low tide outside of some tidal pools that do not readily drain at low tide. The man-made impoundment holds water back at a minimum depth of 3 ft below mean high. Depth within the impoundment varies greatly with a maximum depth of 15 ft at high tide, and 12 ft at low tide.

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

Depth varies due the bathymetry of the shoreline, maximum depth is 15 ft at mean high tide. Minimum depth is 3 ft along the shoreline.

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

There is little current speed outside the time when the top of the impoundment area is being flooded or evacuated around high tide. On the incoming tide the current is flowing in from west to the east, on the outgoing tide, the current is flow out from east to west. Currents and temperature may be manipulated by changing the impoundment structure and restricting flow volumes and current patterns. Current speed with the existing impoundment structure does not exceed 3 ft/sec across the dam boards. Existing aerators may be utilized to support circulation of the impoundment area during low 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 substrate is composed of rocky ledge with some gravel and marine sediment deposits.

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

The benthic topography is rough and variable, consistent with rocky shorelines along the Maine Coast.

**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?**

This is a converted lobster pound so there are few marine organisms present, few benthic organisms like worms and green crabs inhabit the area but not at significant densities.

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

There are no current shellfish beds or fish migration routes.

**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.**

Kelp is observed sporadically in recent years in the center of impoundment 1A at the deepest location covering an area of approximately 200-400 sqft. Rock Weed has been observed sporadically around the edge of the impoundment. No eelgrass has been visually observed by the owner of Greenhead Lobster, LLC up to 2023. This is consistent with Maine DMR Aquaculture Map data for eelgrass.

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

Residential / commercial.

**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.

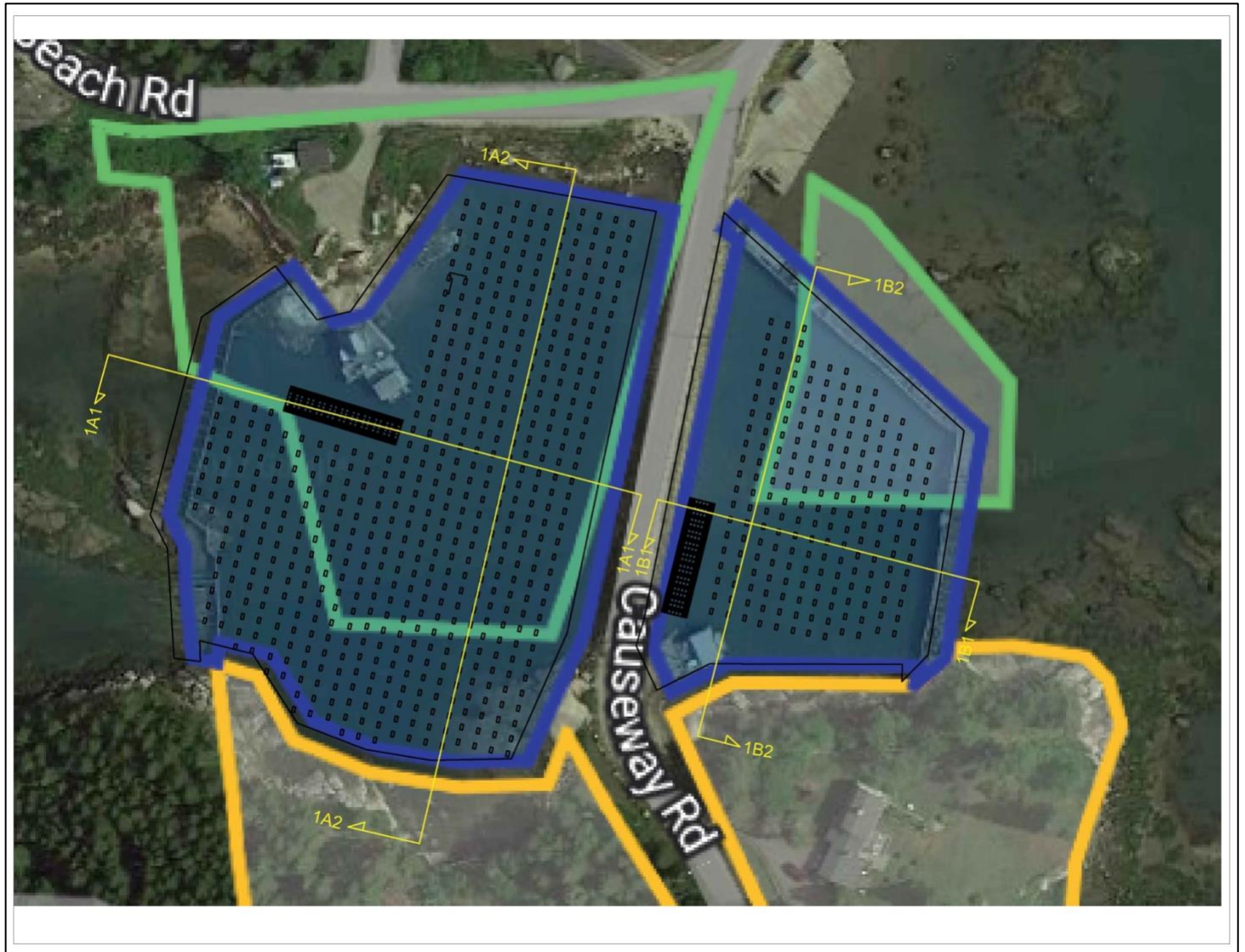
**SEE NEXT PAGE**

**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.

**Overhead View**



Note 1: 10 Upwellers are intended to be deployed in Impoundment 1A where there are electrical services and communication infrastructure to power and monitor their operation. Alternatively they may be located in Impoundment 1B if space becomes constrained, and the appropriate infrastructure can be put in place. The overhead for off-season will look the same, with upwellers stored onshore within property lines.

Note 2: Specific orientation of the gear may be changed based on the most efficient use of space, mooring requirements and operational service and access.

**B) Cross-Section View** (please label this “Cross Section View”):

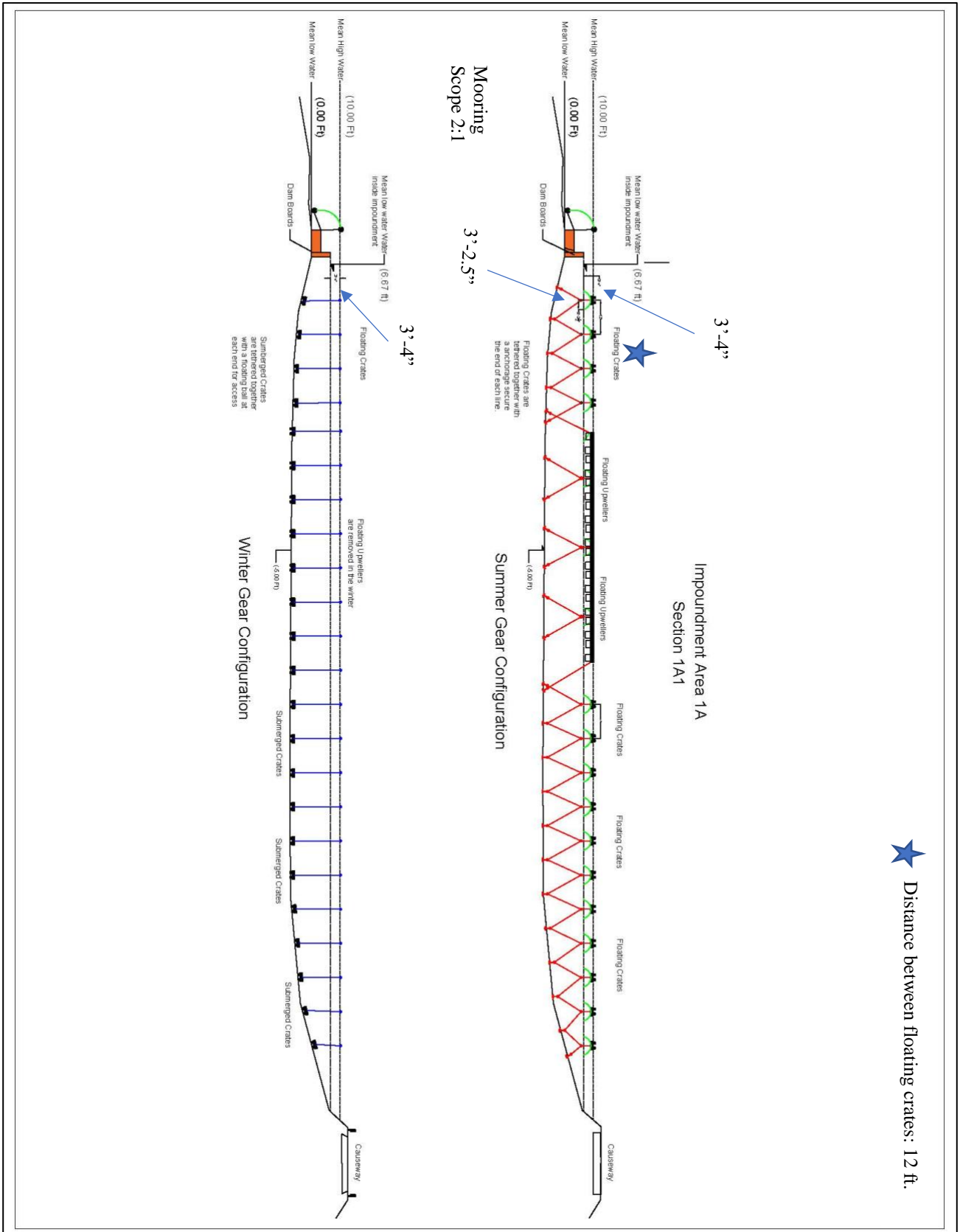
**Directions:** The cross-section view must show the following:

- The sea bottom
- Profile of gear in cross-section as it will be deployed
- Label gear with dimensions and materials
- Show mooring gear with mooring type, scope, hardware, and line type and size
- Water depth at mean high and mean low water

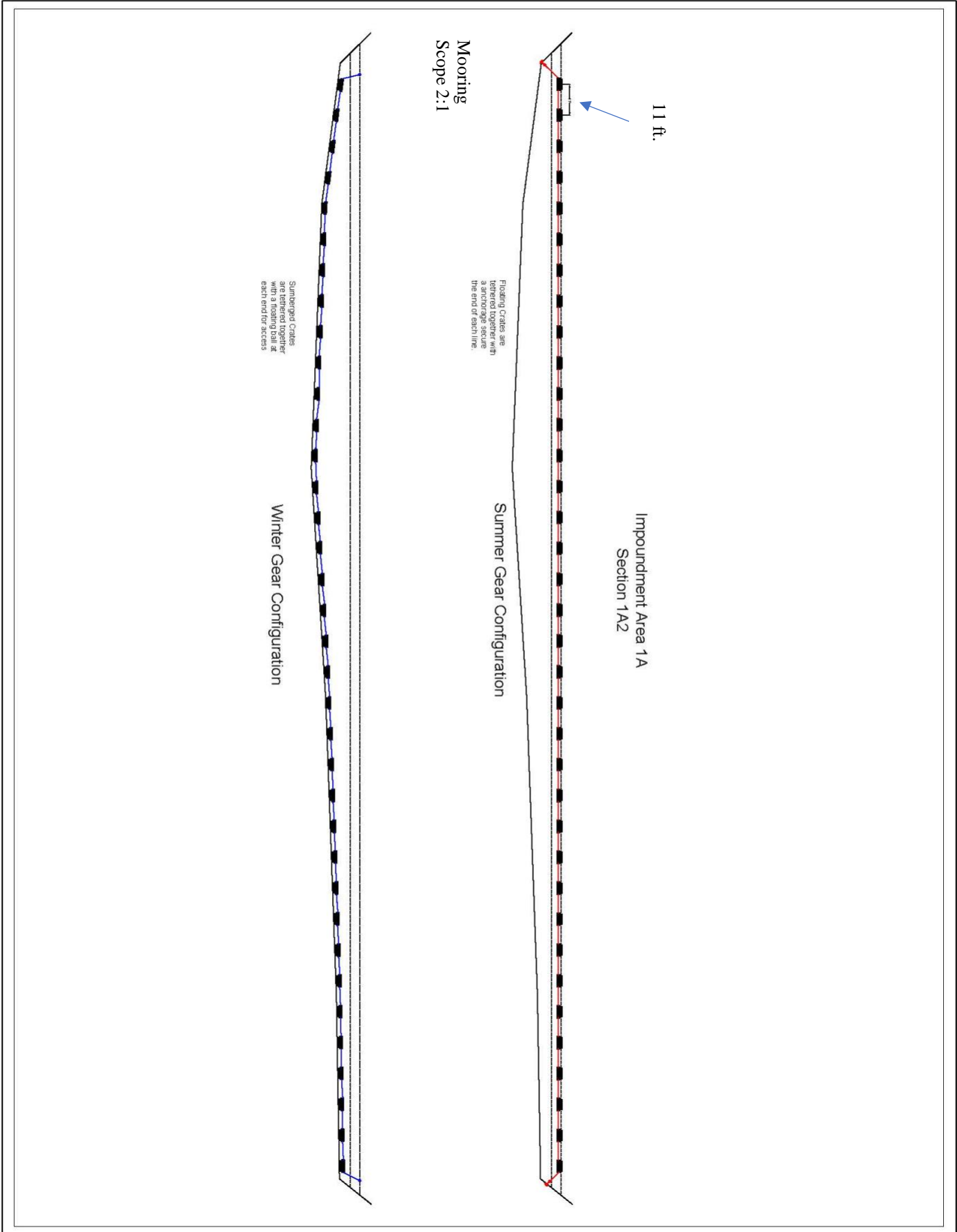
**Note:** Please include an additional Cross Section View, depicting the elements listed above, if there will be seasonal changes to gear layout (i.e. over wintering).

***SEE NEXT 4 PAGES***

# Cross-Section View

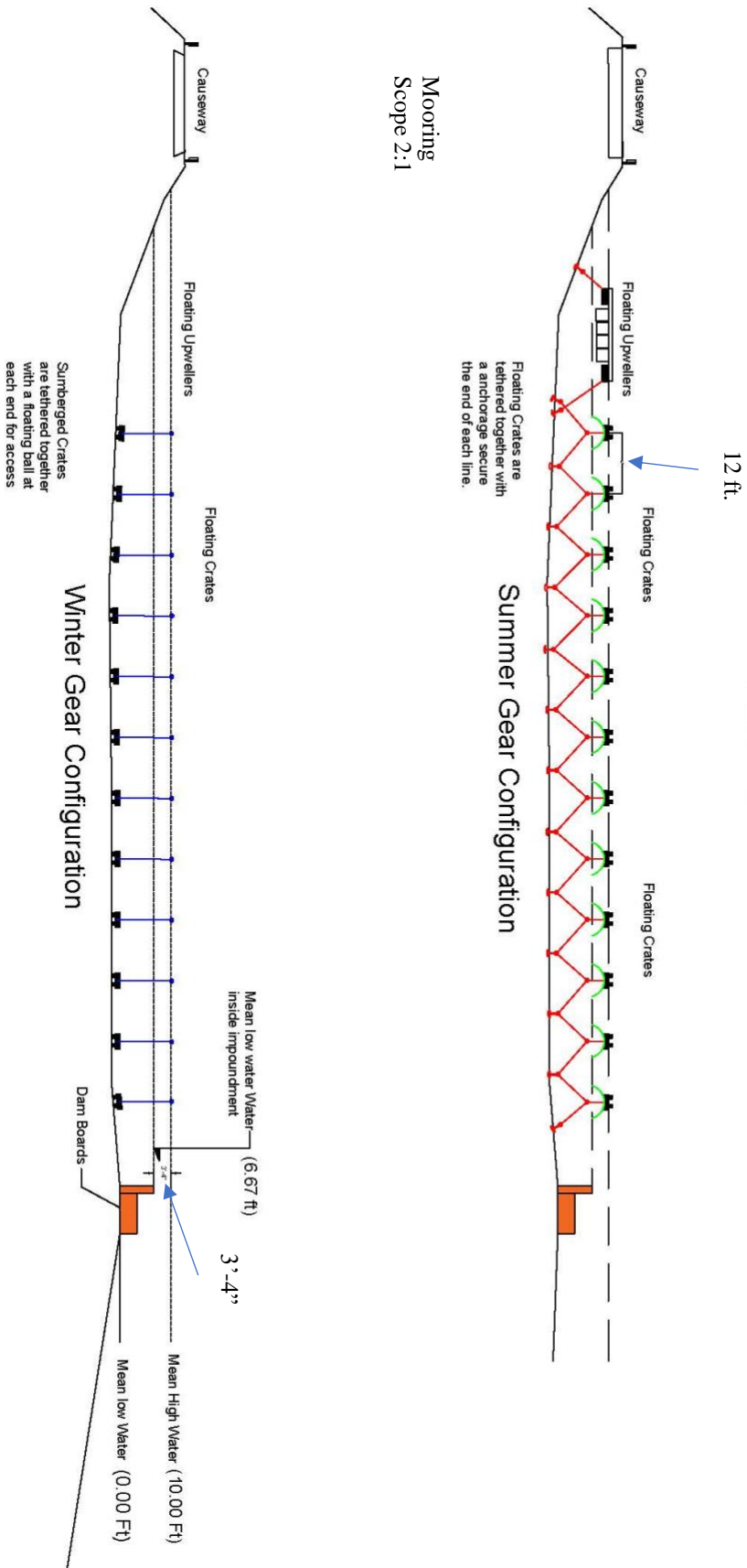






Impoundment Area 1B  
Section 1B1

Mooring  
Scope 2:1



Impoundment Area 1B  
Section 1B2

11'

Floating Crates are tethered together with an anchorage secure the end of each line.

Summer Gear Configuration

Mooring  
Scope 2:1

Sumberged Crates are tethered together with a floating ball at each end for access

Winter Gear Configuration

### 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>
Stage-1, (IMP. 1B, or 1A) Floating Upweller	8' X 20' X 3' (L X W X D)	Spring through early Summer	Max 10 Floating Upwellers	American Oysters 2 mm-6 mm
Stage 2, (IMP. 1-B) OysterGro - Floating Racks or similar	5' X 3' X 2' (L X W X D)	Summer through early spring following year	Max 204 Floating Racks	American Oysters 6 mm-12 mm
Stage 3, (IMP. 1A) OysterGro - Floating Racks or similar	5' X 3' X 2' (L X W X D)	Spring to spring following year	Max 558 floating Racks	American Oysters 12 mm-25 mm
Lines	5/16-1/2" for oysters & 1/2-3/4" for moorings	Year long	34 Lines for Oyster 68 Mooring Lines	American Oysters
Mooring balls	50 Lbs.	Year Long	Max # of mooring balls = 70	American Oysters
Aerators	N/A	Summer/winter	N/A	American Oysters
Surface Buoys	Yellow, Polyform, 1.5' LD-2 Buoy	Winter	Max # of Surface Buoys on site: 68	American Oyster
Boundary Marker Buoys	Red, Polyform 1.5' LD-2 Buoy	Year Round	11	N/A

**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.).

## Gear Drawing(s)

Floating Upwellers (or similar brand).  
Year 1. 2mm – 6mm Seed Stock.

# Floating Upweller

Maximum efficiency, minimum maintenance.

## Description

100K-10K per silo 4mm-8mm Seed | Average Growth Rate - .5-1mm Per Week

Hoopers Island Oyster Co's floating upwellers are specially designed in-house for low maintenance and high efficiency. The unique design incorporates a basket/silo combination to allow easy access to your seed and extend the animals further down into the water column creating more water pressure and higher water flow. Water flow from individual silos is dumped into a centrally located trough with a well and mounted pump to eliminate cavitation.

## Features

All components are constructed on a fiberglass mold using industrial grade fiberglass and polyester resin. Products are finished on both sides with a polyester gel coat. Our tank upweller and floating upweller combo can handle 1-2 million seed per season. Production can be increased by adding additional floating upwellers.

## Benefits

- Easy access to seed for cleaning & grading
- Low maintenance/High efficiency
- Extends oysters further into water column to increase water pressure and float rates

## Unit Components

- ¾ HP Ice Eater Pump
- 8 Silo/Basket Combinations
- One trough
- Two 4'x8'x1' floating dock floats
- One 8'x20' deck

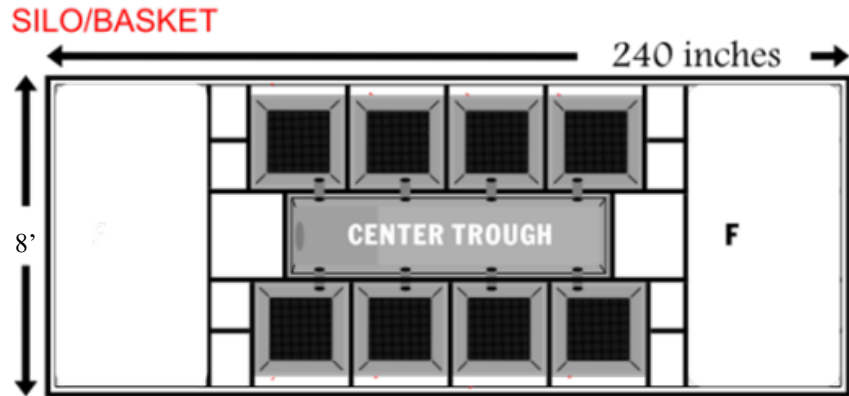
## Complete Unit Price

- Closed Deck \$10,945.00
- Pick up in Cambridge or we ship worldwide*

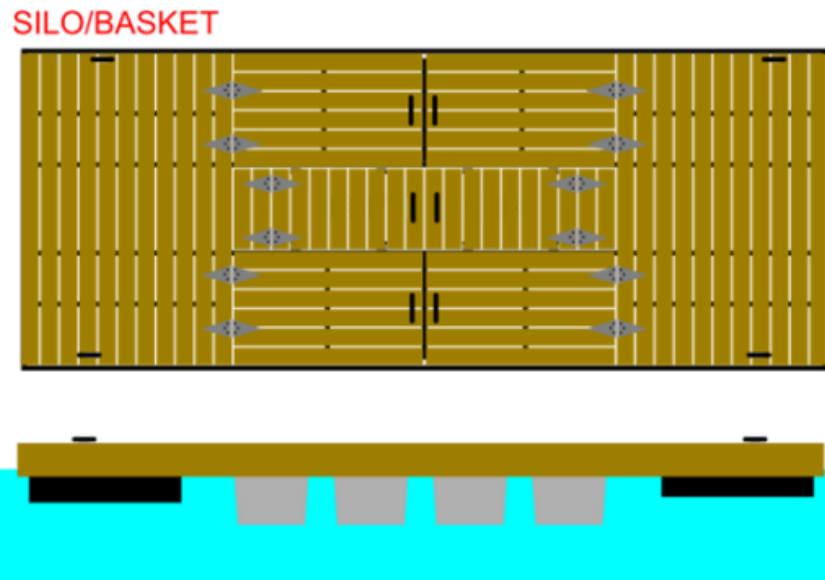


# Floating Upweller

Maximum efficiency, minimum maintenance.

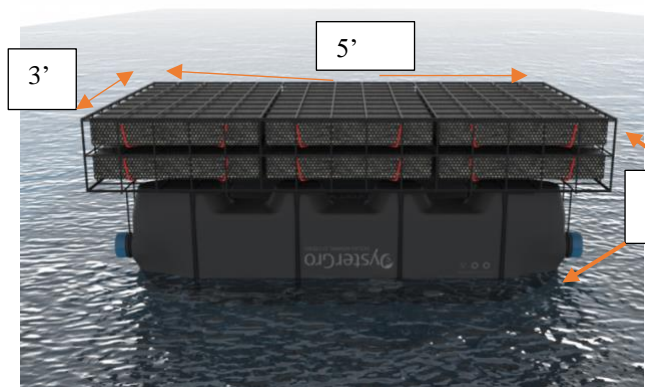


3' Height



OysterGro Floating Racks. (or similar brand)

**SEE NEXT PAGE**



**18MM OysterGro® Bag**

We recommend these bags for grow out in rapid fouling areas.  
 Closure – Green Bungee with stainless hook



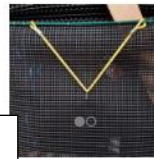
**14MM OysterGro® Bag**

We recommend these bags for grow-out.  
 Closure – White Bungee with stainless hook



**9MM OysterGro® Bag**

We recommend these bags for grow-out.  
 Closure – Red Bungee with stainless hook



**6MM OysterGro® Bag**

We recommend these bags for early growing stage.  
 Closure – Yellow Bungee with Vinyl Strand closure and stainless hook



**4MM OysterGro® Bag**

We recommend these bags for early growing stage.  
 Closure – Orange Bungee with Vinyl Strand closure and stainless hook



**2MM OysterGro® Bag**

Hatchery oyster cycle – these bags should be used coming out of the hatchery.  
 Closure – Split Tube Closure



### 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.

Traditional land survey markers such as stakes or corners stones be used to establish the boundaries of the impoundments, similar to lot markers. These markers should be non-corrosive in nature and suitable to the environment for long-term use.

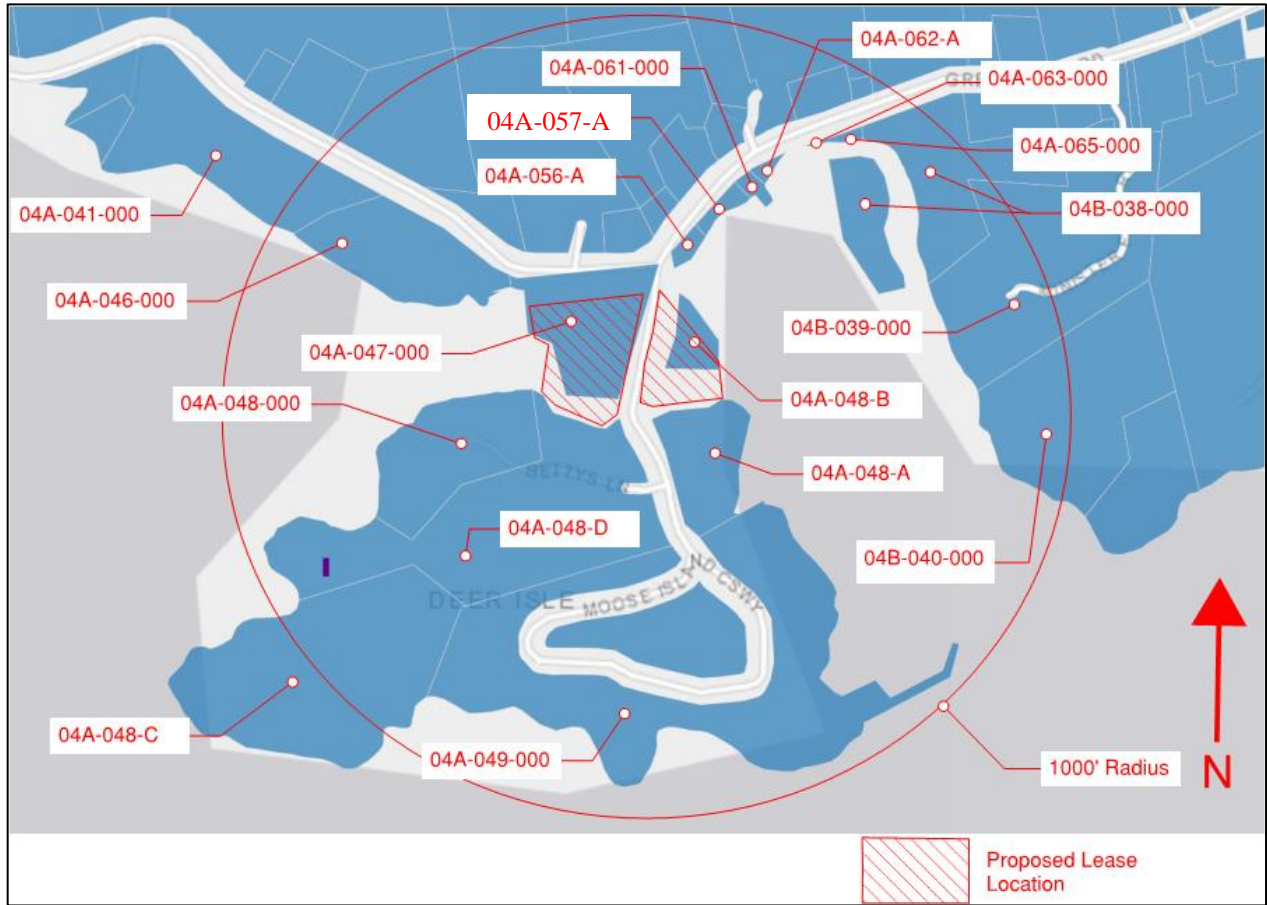
**Note:** If a lease is granted, you will also be required to mark the site in accordance with appropriate US Coast Guard Regulations. If you have questions about US Coast Guard regulations contact: 1<sup>st</sup> Coast Guard District, Aids to Navigation Office.

### 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

# Tax Map



Sources:

<https://www.stoningtonmaine.org/documents-resources/tax-map.php>

<https://maine.hub.arcgis.com/datasets/maine::maine-parcels-organized-towns-feature/explore?layer=0&location=44.157694%2C-68.711408%2C16.19>

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.

**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: Stonington, ME.

MAP #	LOT #	Landowner name(s) and address(es)
<u>04A</u>	041-000	<u>Litman, Robert E, Litman, Marjorie P</u> 6903 Hillmead Road Bethesda, MD, 20817
<u>04A</u>	046-000	<u>Williamson, Cynthia</u> PO Box 656 Stonington, ME, 04681
<u>04A</u>	047-000	<u>GREENHEAD HOLDINGS, LLC</u> PO Box 670 Stonington, ME, 04681
<u>04A</u>	048-000	<u>Farrar, Robert W, Farrar, Joanna T</u> PO Box 769 Stonington, ME, 04681
<u>04A</u>	048-A	<u>Waite, Sally, Waite, David</u> PO Box 439 Stonington, ME, 04681
<u>04A</u>	048-B	<u>GREENHEAD HOLDINGS, LLC</u> PO Box 670 Stonington, ME, 04681
<u>04A</u>	048-C	<u>JHC STONINGTON LLC</u> 2260 Rushmore Dr Marietta, GA, 30062
<u>04A</u>	048-D	<u>Rice, Bradford Kingsely</u> 3 Bettys Lane Stonington, ME, 04681
<u>04A</u>	049	<u>Billings Diesel Marine</u> PO Box 67 Stonington, ME, 04681
<u>04A</u>	056-A	<u>Bartlett, Margaret</u> 42 Greenhead Rd Stonington, ME, 04681
<u>04A</u>	057 + 057-A	<u>Graham Family Trust</u> Lynn Puddington <u>42 Greenhead Rd</u> Cindy Henzy <u>Stonington, ME, 04681</u> 97 Arundel Ave West Hartford, CT 06107

<u>04A</u>	061-000	<u>Graham Family, LLC</u> <u>Robert Graham</u> <u>PO Box 838</u> <u>Crystal Beach, FL 34681</u> 4867 Juniper Dr. Palm Harbor, FL 34685
<u>04A</u>	062-A	<u>JCDH Limited Liability Company</u> <u>C/o David M &amp; Julie P Healy</u> <u>714 Jersey Ave</u> <u>Spring Lake Heights, NJ. 07762</u>
<u>04A</u>	063-000	<u>Campbell, Richard D.</u> <u>259 Valley Rd.</u> <u>Cos Cob, CT, 06807</u>
<u>04A</u>	065-000	<u>Holland, Glenn C.</u> <u>30 Old Searsport Ave</u> <u>Belfast, ME 04915</u>
<u>04B</u>	038-000	<u>GREENHEAD HOLDINGS, LLC</u> <u>PO Box 670</u> <u>Stonington, ME. 04681</u>
<u>04B</u>	039-000	<u>Glezen Green Head Property</u> <u>Glezen, Carlisle B</u> <u>102 Arrowhead Dr</u> <u>Fort Davis, TX. 79734</u>
<u>04B</u>	040-000	<u>Warner, Cristine Brandt, Warner, Robert</u> <u>33 Madley Rd</u> <u>Lebanon, CT. 06249</u>

**CERTIFICATION**

I, MaryC Roche, Town Clerk for the Town of Stonington 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: MaryC Roche      DATE: 5/3/23

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.

***SEE SECTION 17***

**C.** How will you access the proposed site?

The site will be accessed primarily by road. Additionally, the lease site can be accessed by boat during high tide.

**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*) Hugh Reynolds 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.

DocuSigned by:  
  
 F927F39F7A644E8...  
 Greenhead Lobster, CEO

1/13/2023

**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*) N/A 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:           Hugh Reynolds          

Title (*if corporate applicant*):           Greenhead Lobster, CEO          

Signature:                      Date:           1/13/2023          

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/MUNCIPAL 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.**

SEE NEXT PAGE

The applicant is the owner of both the company applying for the lease and the company that owns the property. For the avoidance of doubt, the provided letter gives permission between the entities.

### **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.

SEE NEXT PAGE

The applicant is the same owner as the entity that owns the property. For the avoidance of doubt, the provided letter gives permission between the entities.

GREENHEAD HOLDINGS LLC  
PO Box 670  
Stonington, ME. 04681  
888-756-2783  
[Hugh@greenheadlobster.com](mailto:Hugh@greenheadlobster.com)

October 27<sup>th</sup>, 2022

To Whom It May Concern,

Re: Experimental Aquaculture Lease Application of Greenhead Lobster Company, in existing lobster impoundments located in Stonington, ME. The prospective experimental lease is located within Stonington Town Map Parcels 04A-047-000 and 04A-048-B.

Greenhead Holdings, LLC hereby grants permission to Greenhead Lobster, the applicant for the above-referenced lease, riparian access to the proposed lease site via land Parcels 04A-047-000 and 04A-048-B. As a further clarification, said land will be used to access the lease site in the lobster impoundment

Respectfully submitted,

Hugh Reynolds  
Authorized Member  
Greenhead Holdings, LLC

**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.

**SEE NEXT PAGE**

TOWN OF STONINGTON  
32 MAIN STREET  
STONINGTON, MAINE 04681



**Select Committee**  
*Chairman*  
John Robbins  
John Steed  
Evelyn Duncan  
Travis Fifield  
Richard Larrabee, Sr.

**Staff**  
Kathleen Billings  
*Town Manager*

Mary Roche  
*Town Clerk*

Bridget Brophy  
*Deputy Clerk*

Raelene Peet  
*Shellfish Warden*

Linda Nelson  
*Director of Economic and  
Community Development*

Lucretia Bradshaw  
*Finance Director*

November 4, 2022

Greenhead Holdings LLC  
PO Box 670  
Stonington, ME 04681  
888-756-2783  
hugh@greenheadlobster.com

Dear Mr. Reynolds,

I am writing to offer my support, as well as the support of the Stonington Selectboard, for your proposed experimental aquaculture lease at your two existing lobster impoundments located at the intersections of Causeway Road, Sand Beach Road, and Green Head Road in Allen Cove, in Stonington, Maine.

The two lobster pounds are intertidal, and due to this, consent for the proposed lease site from the Stonington municipal officers is required. See below:

*"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. Best practices would include discussing your plans with shellfish committee members, but only the consent of municipal officers is required."

On behalf of the Town of Stonington, I hereby give my consent for the proposed experimental lease site, regarding its location within the intertidal zone.

Sincerely,

Kathleen Billings  
Town Manager  
Town of Stonington, Maine

Town of Stonington Municipal Offices  
32 Main Street • P.O. Box 9 • Stonington, Maine 04681-0009  
Tel (207) 367-2351 • Fax (207) 367-6361  
Email: townclerk@stoningtonmaine.org • Website: www.stoningtonmaine.org

## APPENDIX

**APPENDIX A: Corporate applicant Form**



**MAINE DEPARTMENT OF MARINE RESOURCES**  
 Aquaculture Division, 21 State House Station, Augusta, ME 04333-0021 (207) 624-6567

**CORPORATE APPLICANT FORM**  
**For Standard and Experimental Aquaculture Lease Applications**

Corporations or partnerships that apply for aquaculture leases in the State of Maine must complete this form. Corporations must submit information as requested under A. Corporate Applicant. Partnerships must submit information as requested under B. Partnership Applicant.

**A. Corporate Applicant**

**Note:** You must attach a copy of the Articles of Incorporation (Inc.) or Certificate of Formation (LLC) to your application.

1. Name of Corporation: Greenhead Lobster LLC  
 2. Date of incorporation: 11/17/97 State of incorporation: MAINE

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

Name	Address	Title
<u>Hugh Reynolds</u>	<u>598 Beach Rd Deer Isle, ME</u>	<u>OWNER</u>

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

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

Name	Address
	<u>N/A</u>

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

5. Has the corporation, or any stockholder, director, or officer applied for an aquaculture lease for Maine lands in the past?  Yes  No

If you selected "yes," please indicate who applied for the lease and the status of the application or lease.

6. List the names and addresses of all stockholders who own or control at least 5% of the outstanding stock and the percentage of outstanding stock currently owned or controlled by each stockholder.

Name	Address	Percentage of Owned Stock
	NONE	

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

7. List the names and addresses of stockholders, directors, or officers owning an interest, either directly or beneficially, in any other Maine aquaculture leases, as well as the quantity of acreage from existing aquaculture leases attributed to each such person based on the percentage of owned stock listed in question 6. If none, write, "None."

Name	Address	Lease Acronym	Acreage
	NONE		

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

8. Has the corporation or any officer, director, member, or shareholder listed in item 5 above ever been arrested, indicted, convicted of, or adjudicated to be responsible for any violation of any marine resources or environmental protection law, whether state or federal?

Yes  No

If you selected "yes", please provide details.

**B. Partnership Applicant**

**Note:** You must attach a copy of either the Certificate of Limited Partnership or documentation of the formation of a General Partnership to your application.

- 1. Name of Partnership: \_\_\_\_\_
- 2. Date of formation: \_\_\_\_\_ State of partnership: \_\_\_\_\_
- 3. List the names, addresses, and ownership shares of all partners:

Name	Address	Ownership Shares

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

- 4. Has the partnership, or any partner applied for an aquaculture lease for Maine lands in the past?  Yes  No

If you selected "yes," please indicate who applied for the lease and the status of the application or lease.

- 5. List the names and addresses of any partner owning an interest, either directly or beneficially, in any other Maine aquaculture leases, as well as the quantity of acreage from existing aquaculture leases attributed to each such person, based on their ownership shares from question 3.

Name	Address	Lease Acronym	Acreage

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



6. Has the partnership or any partner been arrested, indicted or convicted of or adjudicated to be responsible for any violation of marine resources or environmental protection law, whether State or Federal?

Yes  No

If you selected "yes", please provide details.



Filing Fee \$250.00

File No. 19980204DC Pages 3  
 Fee Paid \$ 250.00  
 DCN 1973211800017 LTLC  
 FILED  
 11/17/1997

*Nancy B. Kelleher*  
 Deputy Secretary of State

*Nancy B. Kelleher*  
 Deputy Secretary of State

Pursuant to 31 MRSA §622, the undersigned adopt(s) the following articles of organization:

FIRST: The name of the limited liability company is  
Greenhead Lobster, LLC

(The name must contain one of the following: "Limited Liability Company", "L.L.C." or "LLC"; §603.1.A.)

SECOND: The name of its Registered Agent, an individual Maine resident or a corporation, foreign or domestic, authorized to do business or carry on activities in Maine, and the address of the registered office shall be  
Curtis E. Kimball

(name)

84 Harlow Street, Bangor, ME 04401

(physical location - street (not P.O. Box), city, state and zip code)

84 Harlow Street, P.O. Box 1401, Bangor, ME 04402-1401

(mailing address if different from above)

THIRD: (\*X\* one box only)

A. The management of the company is vested in a member or members.

B. 1. The management of the company is vested in a manager or managers. The minimum number shall be \_\_\_\_\_ managers and the maximum number shall be \_\_\_\_\_ managers.

2. If the initial managers have been selected, the name and business, residence or mailing address of each manager is:

NAME

ADDRESS

_____	_____
_____	_____
_____	_____

Names and addresses of additional managers are attached hereto as Exhibit \_\_\_\_\_, and made a part hereof.

**FOURTH:** ("X" one box only) These articles may be amended upon approval of the following: (§623.4.)

- A. A majority of the members (if no box is checked, the statute requires that).
- B. A majority in interest of the members.
- C. Other.

**FIFTH:** Other provisions of these articles, if any, that the members determine to include are set forth in Exhibit \_\_\_\_\_ attached hereto and made a part hereof.

**ORGANIZER(S)**

*C. Kimball*  
 (signature)

\_\_\_\_\_  
 (signature)

\_\_\_\_\_  
 (signature)

**DATED** November 13, 1997

Curtis E. Kimball  
 (type or print name)

\_\_\_\_\_  
 (type or print name)

\_\_\_\_\_  
 (type or print name)

**For Organizer(s) which are Entities**

Name of Entity \_\_\_\_\_

By \_\_\_\_\_ (authorized signature) \_\_\_\_\_ (type or print name and capacity)

Name of Entity \_\_\_\_\_

By \_\_\_\_\_ (authorized signature) \_\_\_\_\_ (type or print name and capacity)

Name of Entity \_\_\_\_\_

By \_\_\_\_\_ (authorized signature) \_\_\_\_\_ (type or print name and capacity)

THE FOLLOWING SHALL BE COMPLETED BY THE REGISTERED AGENT UNLESS THIS DOCUMENT IS ACCOMPANIED BY FORM MLLC-18 (§607.2).

The undersigned hereby accepts the appointment as registered agent for the above named limited liability company.

REGISTERED AGENT

DATED November 13, 1997

[Signature]  
(signature)

Curtis E. Kimball  
(type or print name)

For Registered Agent which is a Corporation

Name of Corporation \_\_\_\_\_

By \_\_\_\_\_  
(authorized signature)

\_\_\_\_\_  
(type or print name and capacity)

\*Articles must be signed by all organizers (§627.1.A.). The execution of the articles constitutes an oath or affirmation, under the penalties of false swearing under Title 17-A, section 453, that, to the best of the signers' knowledge and belief, the facts stated in the articles are true (§627.3.).

SUBMIT COMPLETED FORMS TO: CORPORATE EXAMINING SECTION, SECRETARY OF STATE,  
101 STATE HOUSE STATION, AUGUSTA, ME 04333-0101  
FORM NO. MLLC-6 Rev. 7/23/96 TEL. (207) 287-4195