

STANDARD LEASE APPLICATION: NON-DISCHARGE**1. APPLICANT CONTACT INFORMATION**

Applicant	Allison Melvin & Jesse Klein		
Contact Person	Allison Melvin		
Address	PO Box 453 (mailing); 115 Airport Rd (physical)		
City	Stonington		
State, Zip	ME, 04681		
County	Hancock		
Telephone	(503) 816-2540		
Email	Allisonmelv@gmail.com		
Type of Application	<input checked="" type="checkbox"/> Draft Application [submitted before scoping session session]		<input type="checkbox"/> Final Application [submitted after scoping session session]
Dates	Pre-Application Meeting: 12/1/22	Draft Application Submitted: 2/10/23	Scoping Session:
Payment Type	Draft Application: <input type="checkbox"/> Check (included) <input checked="" type="checkbox"/> Credit Card		Final Application: <input 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 that is checked regularly. If you do not use email, please leave this blank.

2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Deer Isle
Waterbody	Fish Creek
General Description (e.g. south of B Island)	Between Oak Point & Campbell Island
Lease Information	
Total acreage requested (100-acre maximum)	4.74 Acres
Lease term requested (20-year maximum)	20 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)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

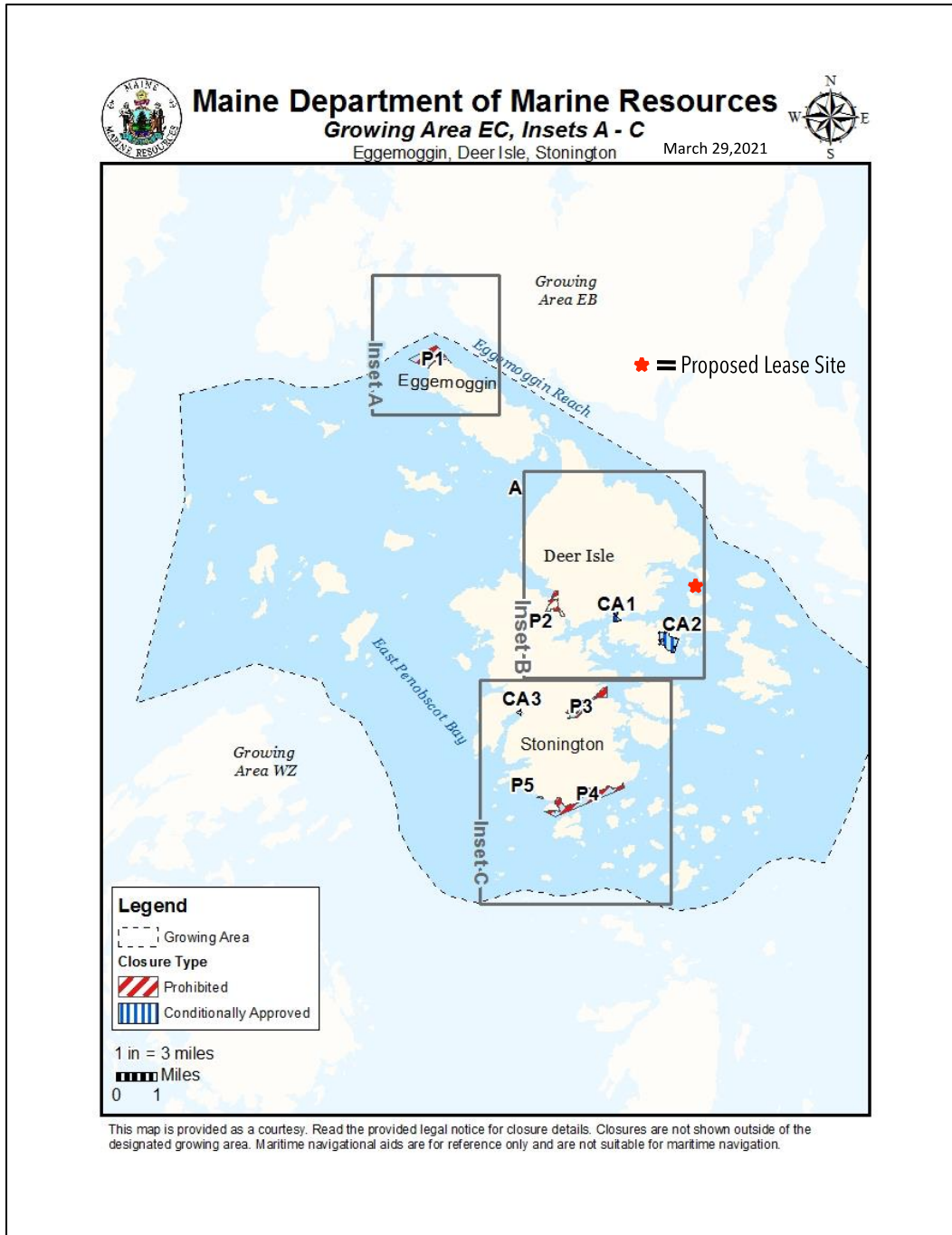
Note: If you selected yes, you need to complete the steps outlined in the section titled: "19. Landowner/Municipal Permission Requirements".

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):	EC
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 your plans at the following email: DMRPublicHealthDiv@maine.gov



4. SPECIES 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. American or eastern oyster (<i>Crassostrea virginica</i>)	Muscongus Bay Aquaculture 24 Seal Ledge Lane Bremen, ME 04551 Or Other Approved DMR Hatchery	1,500,000 Oysters

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

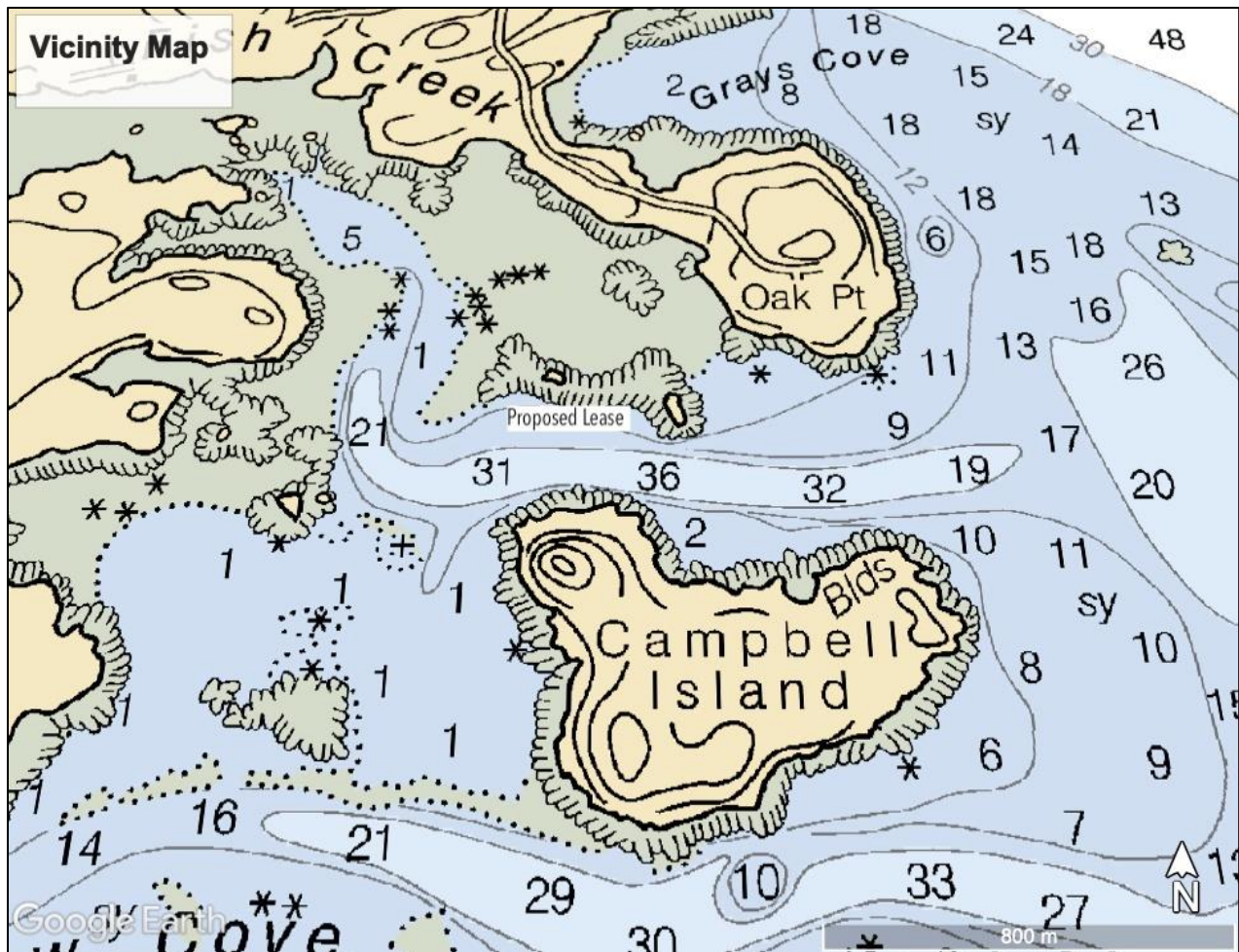
5. VICINITY MAP

Note: Please label as: ‘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, shorelands, and lines of mean high and mean low water within the general area of the lease
- An arrow indicating true north
- A scale bar
- The approximate lease boundaries

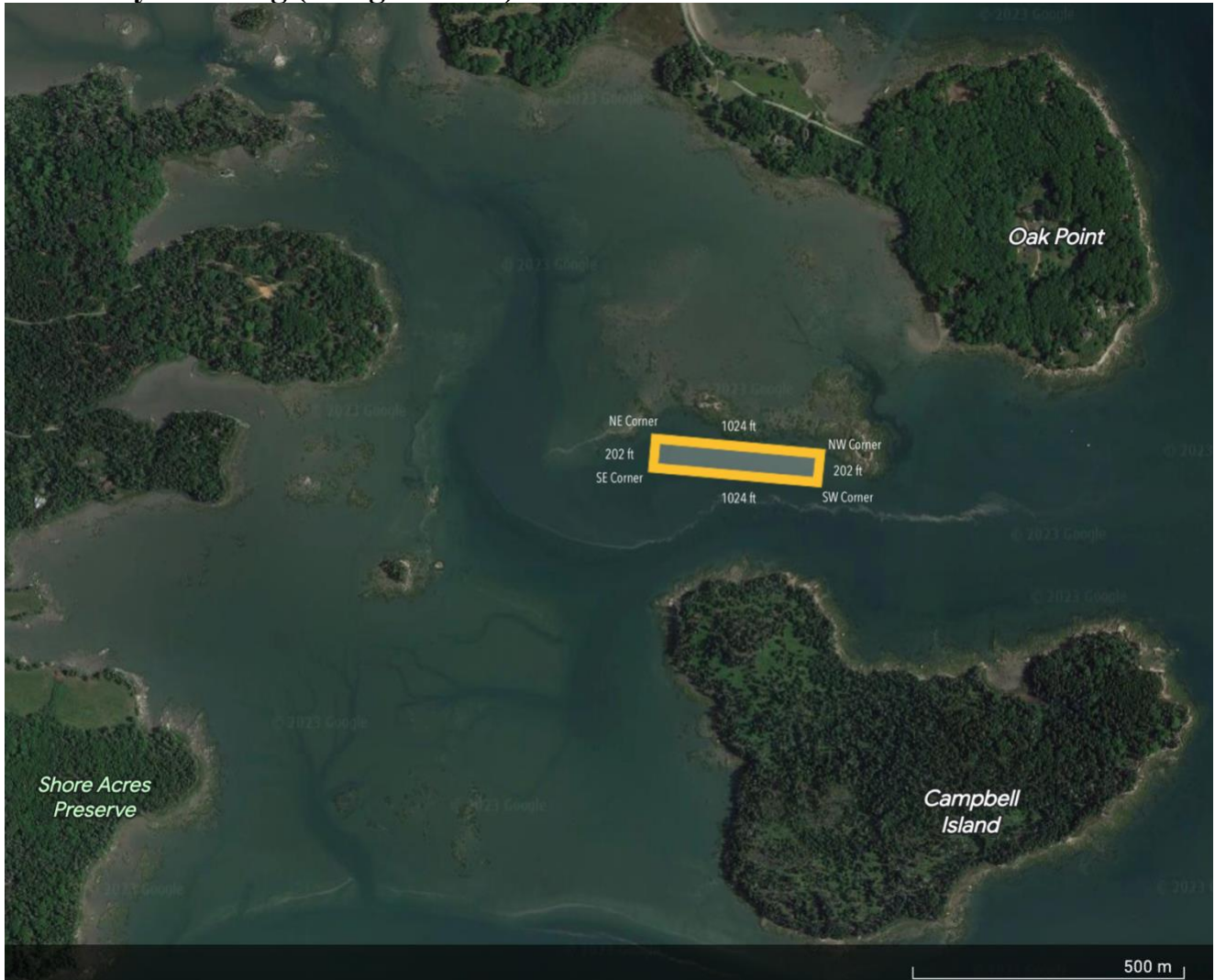


6. BOUNDARY DRAWING

Note: Please label as: '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:

Boundary Drawing (Google Earth)



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.

Coordinate Description (WGS84 Standard)

Northwest Corner	44° 13' 40" N 68° 36' 56" W
Northeast Corner	44° 13' 39" N 68° 36' 42" W
Southwest Corner	44° 13' 38" N 68° 36' 56" W
Southeast Corner	44° 13' 37" N 68° 36' 42" W

Distances

NW to NE	1024 ft.
NE to SE	202 ft.
SE to SW	1024 ft.
SW to NW	202 ft.
Total Area	206,848 ft.
Acreage	4.74 Acres

7. SITE DEVELOPMENT

Directions: 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 gear drawings and maximum structure schematics (information below). This section is intended to provide accurate plans depicting the physical structures to be placed in the proposed area. All dimensions need to be labeled with the appropriate units (i.e. 10ft, 10in). If you are proposing a bottom lease (no gear), please skip to question “F. Marking”.

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

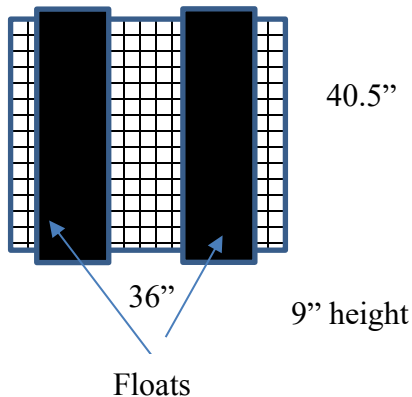
A. Gear Information

Directions: Include a drawing of an individual piece of gear for each of the gear type(s) you plan to use. Include units referenced (i.e. 10in, 10ft, etc.).

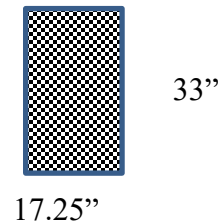
1. Gear Drawing: Please include the following for each gear type that will hold organisms to be cultured (e.g. polar circles, marine algae longlines, oyster cages) and label as “Gear Drawing”. This view must show the following:
 - Length, width, and height of each gear type.

Gear Drawings

4-Bag Oyster Cages



Semi-Rigid Mesh Bags



Note: The gear information, tables, and drawings depict the use of 4-Bag Oyster Cages with semi-rigid mesh bags inside. This is the ultimate end goal for our lease but we will likely use a mixture of Oyster Cages and individual semi-rigid mesh bags at our proposed locations

2. **Gear Table:** List and describe each individual gear type that you will use in the table below. (e.g. polar circles, marine algae longline, oyster cages, moorings, mooring lines, buoys, etc.).

Specific Gear Type (e.g. <i>soft mesh bag</i>)	Dimensions (e.g. <i>16"x20"x2"</i>)	Time of year gear will be deployed (e.g. <i>Spring, Winter, etc.</i>)	Maximum amount of this gear type that will be deployed on the site (i.e. <i>200 cages, 100 lantern nets, etc.</i>)	Species that will be grown using this gear type
4-Bag Oyster Cage	40.5"x36"x9"	On surface= April- Nov. On Bottom = Dec.- Mar.	Max # of cages on-site: 1428	American Oyster
Semi-rigid mesh bags (4 per Oyster Ranch)	33"x 17.25"x2"	On surface = April – Nov. On Bottom = Dec. – Mar.	Max # of bags on site: 5,712	American Oysters
Mushroom Anchor	100lb	Year round	Max # of anchors on site: 51 (3 per row)	
Main Line	5/16-1/2" polypropylene (430' long)	Year Round	Max # of Longlines on site: 34 (2 per row)	American Oysters
Sink line	½" nylon sink rope	Year Round	Max # of sink rope on site: 68 (4 per row)	
Mooring Chain	~6' 3/8" galvanized chain	Year Round	Max # of Mooring Chains on site: 68 (4 per row)	
Swivel	1"x5"	Year round	Max # of Swivel on site: 68 (4 per row)	
Surface Buoys	Yellow, Polyform, 1.5' LD-2 Buoy	Year-round	Max # of Yellow Buoys on site: 68 (4 per row)	
Corner Markers	Red, Polyform, 1.5' LD-2 Buoy	Year Round	4	

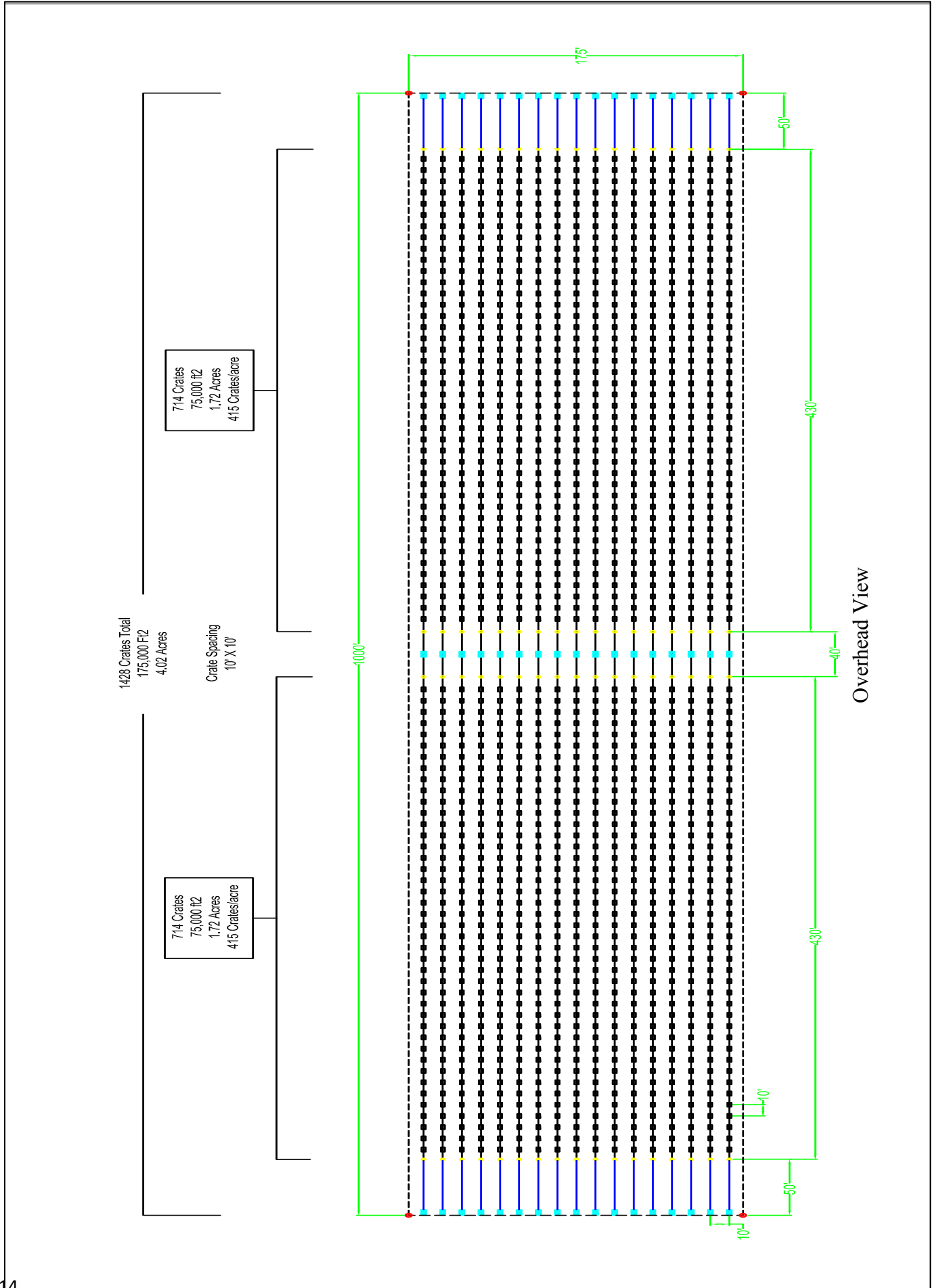
B. Maximum Structure and Mooring System Schematic

Directions: Include drawings of your maximum gear layout. Include units referenced (i.e. 10in, 10ft, etc.).

1. Overhead View. Please include the following and label as “Overhead View”:
 - Maximum layout of gear, including moorings.
 - Length and width of project.
 - Approximate spacing between gear.
 - Lease boundaries and the location of proposed corner markers and any additional gear markers that would be present.

SEE NEXT PAGE

Please note that the total lease area requested is 4.74 Acres, but the gear takes up 4.02 acres.



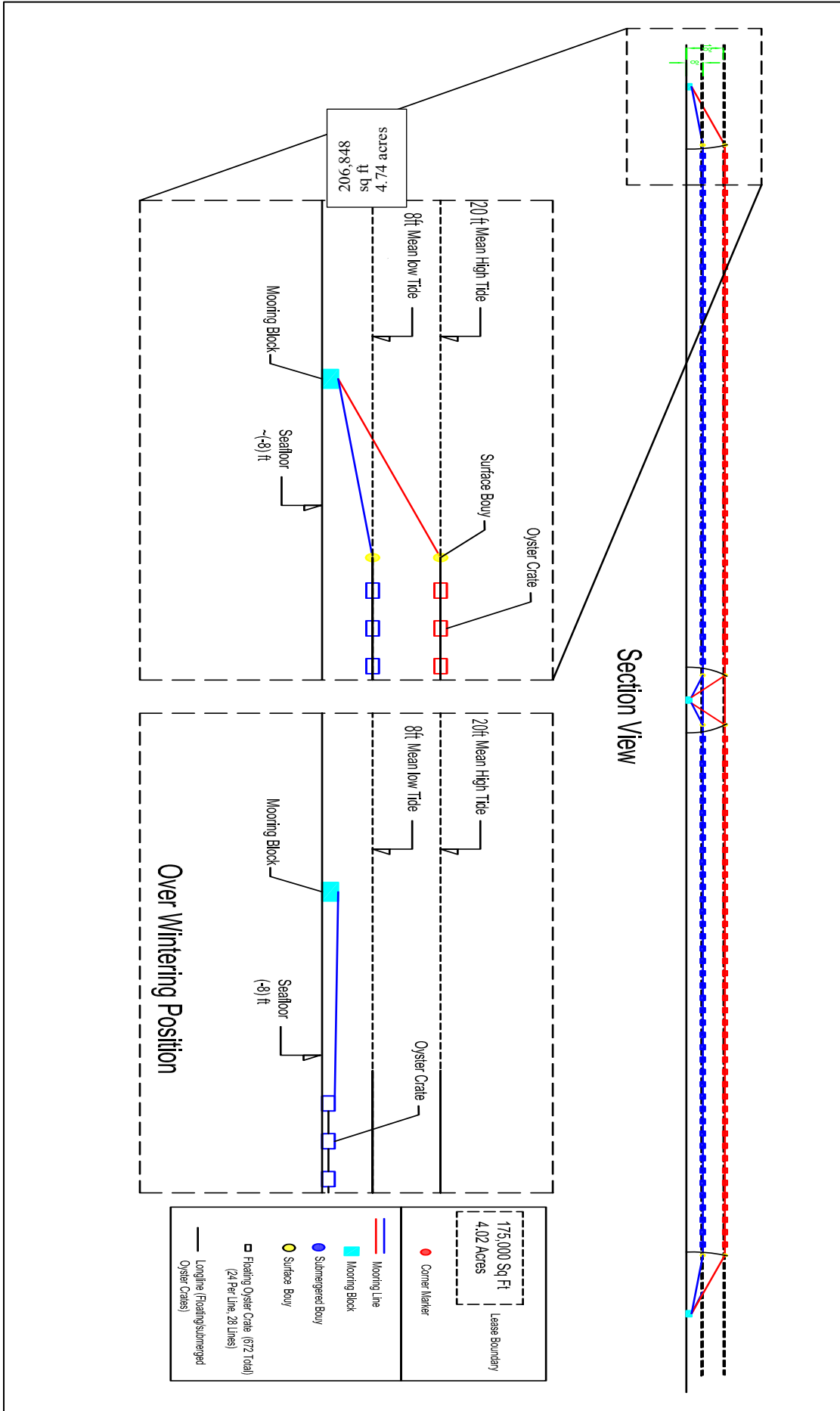
Cross-Section View. Please include the following and label as “Cross-Section View”:

- 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.
- Depth of gear in relation to the water’s surface at mean low water and mean high water (if applicable).

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 PAGE

Please note that the total lease area requested is 4.74 Acres, but the gear takes up 4.02 acres



Depths at MLW: 8ft
 Depths at MHW: 20ft

C. On-Site Support Structures

1. Describe structures such as barges, sheds, etc., to be located on-site. Provide a schematic and indicate the dimensions, including height above sea level, materials, etc.
N/A

2. Describe the storage and use of oil, gasoline, or other hazardous materials on site. If petroleum products are to be stored on site, provide a spill prevention plan.
Oil, gas, and other hazardous materials will not be stored on-site.

D. Gear Color

Provide the color of the gear and structures proposed to be used at the lease site.
Cages, floats, and bags are black, buoys are yellow

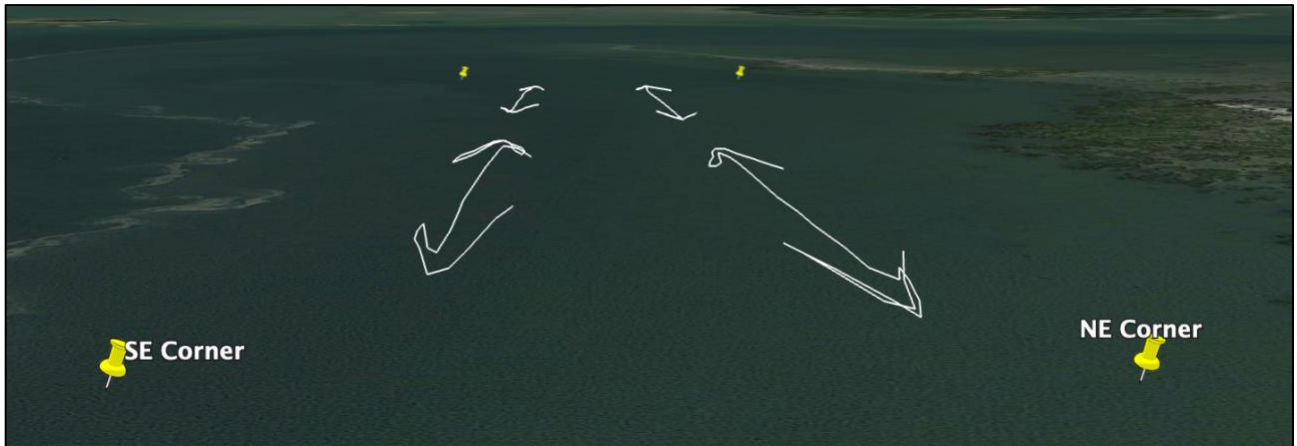
E. Equipment Layout

Provide schematic or photographic renderings of the generalized layout of the equipment as depicted from two vantage points on the water. Provide the locations of the two vantage points.

Equipment Layout (Google Earth) looking west to east



Equipment Layout (Google Earth) looking east to west



F. 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 need to 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 ((617)-223-3293).

8. PRODUCTION ACTIVITIES

Directions: If you are cultivating more than one species, you will need to provide the following information for each species. Please attach additional pages if needed.

A. Please explain your proposed seeding activities. What months will seeding occur and how often will you be onsite to seed during this time.

On our LPAs, seeding for the oysters occurred between the months of July-September and we were on site a minimum of 4 days per week. We purchased larger seeds for the LPA and intend to start with smaller seeds for the Standard lease so seeding will most likely begin in late spring (April/May)

B. Please explain your proposed tending/maintenance activities.

General tending/maintenance of the site involves flipping cages and bags as needed due to biofouling. Most of the maintenance on the site involves keeping equipment clean from barnacles, squirts, and mussels. Additionally, we often separate bags and hand-sort the oysters as best we can. We intend to look into purchasing a tumbler to aid in this process.

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

For the oyster growing season, we intend to be on-site between 3-6 days a week to perform routine tending/maintenance.

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

We currently manually hook and flip the oyster cages onto the side of the boat and dump them into bags. We plan on getting a bigger boat and will look to add a winch on the boat to make the process of pulling up cages easier.

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

Oyster harvesting will generally overlap with tending/maintenance, so we intend to be on the site around 3-6 days per week

F. Will gear be on the site year-round? Yes No

G. 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 removed from the site.

The gear will be on the surface, actively tended from around April through November. For overwintering (December through March), the gear will be sunk with only corner buoys on the surface.

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

The semi rigid mesh bags and oyster cages are all caged gear that contain mesh bags. Between the cages and bags it is impossible for predators to be able to get to the oysters. Additionally, routine maintenance (flipping bags) reduces biofouling, which will naturally deter predators.

- I. 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)

The product will be suspended at depth sufficient to deter roosting for two weeks prior to harvest. Zip ties will also be utilized and present on gear to act as a physical deterrent to sea birds.

9. NOISE AND LIGHT

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

A. What type of boats will be used on the site? When and how often will these vessels be on the site?

There are two boats that will be used on the site. There is a 18' Maritime with 90hp Yamaha. Additionally, there is a 21' Novi with a 150hp outboard. These vessels will be used to travel to the site and perform all site operations (3-6 days/week).

B. What type of powered equipment (e.g. generator, power washer, grading equipment, barges, etc.) will be used on the site? When and how often will the equipment be used?

We currently do not have powered equipment that will be used on-site (other than the boat motors). In the future, we intended to purchase and use a power washer, a winch to raise cages, and a grader for the oyster. All equipment will be stored and used on the boat. The power washer for cleaning the oysters, cages, and boat will only be used occasionally (0-1 time per week) and at small intervals lasting 5-10 mins. The grader will be used on the boat for a couple of hours 2-3 times per week. The winch will be used on the boat for hosting up cages and flipping them, as well as harvesting the cages. We expect this to be used during routine maintenance a few times a week. To reiterate, we currently do not have this equipment but intend to purchase at some point within our lease term.

C. Specify how you intend to reduce noise levels from the boats and other powered equipment.

The outboard will only be running to get to the farm and move between lines, it will be shut off when working the line. If there is equipment in the future (winch, grader, etc.) it would be electrically powered and only operating as needed, significantly reducing the noise

D. Provide the number, type (whether fixtures are shielded), wattage and location of lights, other than those used for navigation or marking, that will be used at the proposed lease site.
N/A. No lights are proposed onsite

E. Indicate under what circumstances you might work at your site beyond daylight hours.
I would only go out to the proposed site after dark if there was some sort of emergency

10. 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.
We currently have 4 LPAs (JKLE622, JKLE322, JKLE422, JKLE522) in the proposed lease site. The purpose of this application is to replace the 4 LPAs with 1 standard lease.

B. What are your plans for any existing leases and/or Limited Purpose Aquaculture (LPA) licenses if the lease is granted? Will any existing leases and/or LPA licenses be relinquished if the lease is granted? If so, please indicate which ones.
If this is granted, all 4 LPAS will be relinquished (JKLE622, JKLE322, JKLE422, JKLE522)

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?
8 Feet

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

C. Provide the approximate current speed and direction during the ebb and flow.
Approx. 0.2 knots at flood tide. Ebb/Flow direction is NW-SE

D. The following questions (D.1 through D.6) may be answered in writing or by submitting a video. If you plan to submit a video, please contact the Department prior to video collection.
1. What are the bottom characteristics (mud, sand, gravel, rock, ledge or some mix, etc.)?
The bottom is characterized as a mixture of sand and mud
2. Describe the bottom topography (flat, steep rough, etc.).
The bottom topography of the site is flat

3. Describe marine organisms by species or common names. Based on your personal observations or other sources of information, are these species abundant, common, or rare?

There are very few marine organisms present on the site. Green crabs and mussels are the most common organisms seen while working on the LPAs currently inside the proposed site footprint. We've been experiencing more and more sea squirts settling on our equipment as the waters warm. Occasional Pogies travel through the area in the cove but it is not very common, nor does it interfere with our current LPAs.

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

There are clam flats to the North of the site, outside of the proposed lease location.

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.

There is no submerged aquatic vegetation, including eelgrass on or near the site.

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

Campbell Island to the South (approx. 800 ft.) is a heavily forested island with a rocky shoreline. Oak point to the north (approx. 1,220 ft.) is a heavily forested and residential peninsula with a rocky shoreline.

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.

12. EXISTING USES

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
Very minimal lobster fishing occurs in the deep part of the channel (closer to Campbell Island) in the summer. The proposed site wouldn't interfere as the deep channel is avoided by the farm.
2. Recreational Fishing
N/A
3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)
There are occasional clam skiffs that travel nearby, however, the site wouldn't impact, as the area is still fully navigable
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.)
There are no shorefront property owners within 1000 feet of the proposal
5. Other uses (kayaking, swimming, etc.)
There is occasional kayaking in the cove, however, the site wouldn't impact as the area is still fully navigable.

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 the proposed lease.

There is one mooring approximately 800' away from the site and there was no impact when working on the 4 LPAs and it is assumed there will continue to be no impact

C. Are there public beaches, parks, docking facilities or federally, state, or municipally conserved lands within 1,000 feet of the proposed lease site? If yes, please describe and include approximate distances from proposed lease.

N/A

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>

None, other than the ones currently owned by me (JKLE622, JKLE322, JKLE422, JKLE522)

13. 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.

I would request that no one handles the gear, fish, or drag within the proposed lease site (not currently existing uses). We welcome people to boat over to the site and ask questions about what we're doing.

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:

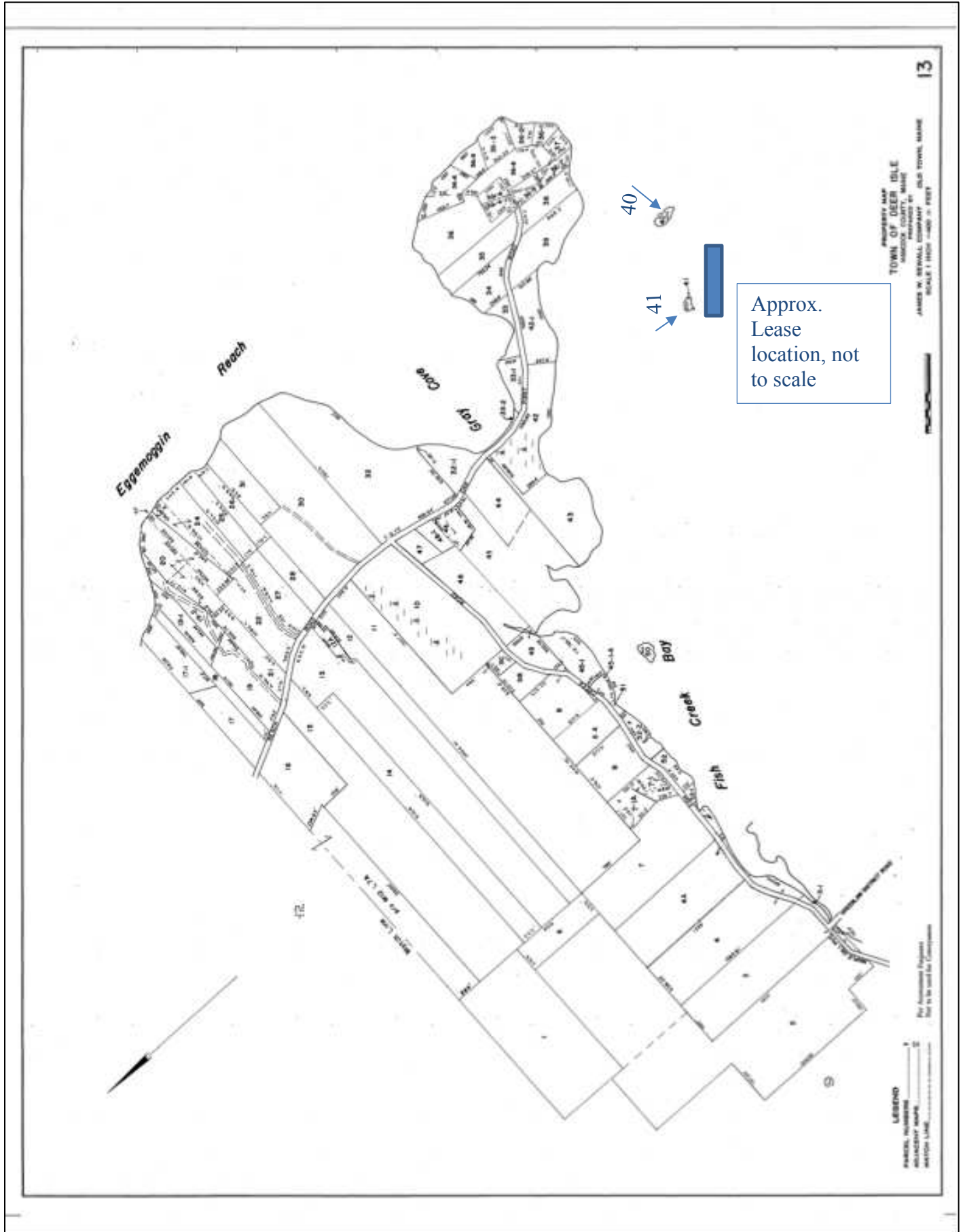
1. A labeled copy of a tax map(s) depicting the location of the proposed lease site and including the following elements:
 - Label the map “Tax Map: Town of (name of town).”
 - Legible scale
 - Tax lot numbers clearly displayed
 - The boundaries of the proposed lease

SEE NEXT 2 PAGES

Tax Map: Town of Deer Isle



Tax Map: Town of Deer Isle



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.

SEE NEXT PAGE

RIPARIAN LANDOWNER LIST

****THIS LIST MUST BE CERTIFIED****

On this list, please show the current landowners' names and mailing addresses as listed in the municipal tax records for all riparian shorefront parcels within 1,000 feet of the proposed lease site along with the map and lot number for each parcel. **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 the parcels are within more than one municipality, provide a separate, certified riparian list for each municipality.

TOWN OF: Deer Isle

MAP #	LOT #	Landowner name(s) and address(es)
10	33	THALER, GEORG MEHELGASSE 4 A-1030 VIENNA, AUSTRIA
13	40	State of Maine, 22 State House Station. 18 Elkins Love (AMHI Campus), Augusta, ME 0433-0022
13	41	State of Maine, 22 State House Station. 18 Elkins Love (AMHI Campus), Augusta, ME 0433-0022

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Heather Cormier, Town Clerk for the Town of DEER ISLE 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: Heather Cormier DATE: 12/13/2022

3. If any portion of the site is intertidal, you need to complete the steps outlined in the section titled: “19. 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 “19. Landowner/Municipal Permission Requirements” of this application.

C. How will you access the proposed site?

We will access the proposed site by boat, launching from a public boat launch located on the Little Deer Isle Bridge.

D. How will your proposed activities affect riparian ingress and egress?

The proposed activities will not affect riparian ingress and egress

15. TECHNICAL CAPABILITY

Provide information regarding professional expertise. Attaching resume or documentation of practical experience necessary to accomplish the proposed project would satisfy this requirement.

Please see attached 2 resumes on the next 4 pages. Please note that we have been successfully operating 4 LPAs for Oyster cultivation (JKLE622, JKLE322, JKLE422, JKLE522) in the proposed lease site

Jesse Klein

Stonington, ME 04681
603-903-8098 jessewklein@icoud.com

PROFESSIONAL SUMMARY

Highly motivated and determined commercial fisherman who has enjoyed working on the water for nearly 20 years. Driven to operate an independent business/sea farm.

WORK HISTORY

OWNER/OPERATOR | 06/2021 to Current

Fish Creek Oysters - Deer Isle, ME

- Summer of 2021; two LPAs. Started small, explored making different types of oyster bags, and considered specific growing location.
- Found area between Oak Point and Campbell Island was successful. Applied for four LPAs in 2022.
- A standard lease will allow the farm to grow from hobby into small business; expand local aquaculture, supply local restaurants, and get to work close to home.

DECKHAND/MATE/CAPTAIN | 06/2013 to Current

Shafmaster Fishing - Portsmouth, NH

- 2013; full-time offshore lobstering and became first mate on high-liner boat.
- Captain, Peter Bagley, trained me as fill-in captain. I began captaining several boats while working on deck.
- Learned to handle boats in 20' seas and icing conditions. Planned trips around weather.
- Kept track of thousands of traps spread across hundreds of miles.
- 2017; full-time captain of F/V Amy Michelle.
- Now: Fill-in Captain (when full time captain needs trip off).

COMMERCIAL FISHERMAN | 08/2011 to 07/2013

Shafmaster Fishing - Portsmouth, NH

- Deck boss (managed crew)
- Managed netting (setting, hauling, repairing)
- Operated crane and wench when trawling

COMMERCIAL FISHERMAN | 12/2009 to 10/2011

F/V Enterprise - Cape May, NJ

The F/V Enterprise is a 120' mid-water trawler, fishing for herring, mackerel, and squid from North Carolina to Maine.

- Became first mate; managed crew and operated big machinery
- Learned to navigate rivers and canals
- Engine room maintenance & responsibilities

IN-SHORE STERNMAN | 06/2005 to 12/2009

Steve Robbins - Stonington, Maine

I worked as a thirdman for Steve Robbins, then as sternman for two different captains.

- Trap/gear maintainance

- Managed bait and kept deck clean/organized
- Broke/set back traps

ACCOMPLISHMENTS

NOAA Vessel Operators Permit

SKILLS

- Vigorous worker
- Fast Learner
- Highly Motivated
- Detail Oriented
- Critical Thinker
- Respectful & responsible mariner

EDUCATION

Gould Academy - Bethel, Maine | High School Diploma

06/2002

I spent two years as a student at Green Mountain College in Poultney, VT studying agriculture, but left to work on the water.

ALLISON MELVIN

Stonington, ME 04681 | 503-816-2540 | allisonmelv@gmail.com

PROFESSIONAL SUMMARY

After working in many different areas of the seafood industry for the last decade, none have been more enjoyable than the last two years of starting an oyster farm. Gaining a standard lease from DMR will help our small business (and many oysters) begin to grow.

SKILLS

- Adobe + WordPress
- HACCP Certified
- Excellent communication skills
- Highly organized
- Perishable Shipping Experience
- Goal oriented/driven

WORK HISTORY

JULY 2022-CURRENT

Marketing | Greenhead Lobster | Stonington, ME

- Coordinate social media, public relations, and website.
- Design marketing materials (digital and print).
- Coordinate trade show details (travel, products, etc).
- New product design/development.

AUGUST 2020-JUNE 2022

Teacher | Deer Isle-Stonington Elementary School | Deer Isle, ME

- Communicated frequently with parents, students and faculty to provide feedback and discuss instructional strategies + learning objectives.
- Planned and implemented integrated lessons to meet national standards.
- Incorporated multiple types of teaching strategies into classroom.
- Stayed late/worked through prep time for students needing extra help.

JUNE 2019-AUGUST 2020

FOH Manager | Aragosta | Deer Isle, ME

- Supervised dining table set-up to prepare for diversity of event types, following strict service standards.
- Adhered to safe work practices, food safety regulations and corporate guidelines.

- Managed day-to-day FOH operations to drive quality, standards and meet customer expectations.
- Managed inventories/made weekly orders for FOH and bar.

OCTOBER 2017-MAY 2019

Sales/Marketing | Greenhead Lobster | Stonington, ME

- Worked independently with minimal supervision.
- Worked with variety of customers/accounts with knowledgeable, friendly support at every stage of sales process.
- Built relationships with customers and community to promote long term business growth.
- Performed effectively in self-directed work environment, managing day-to-day operations and decisions.

APRIL 2015-NOVEMBER 2017

Sternman | F/V Whistler & F/V Prevailing Winds | Stonington, ME

- Measured, banded, and stored lobsters, returning illegal lobsters back to water.
- Prepared bait and kept deck clean and organized.
- Stacked and set traps, managed/organized rope.

JULY 2013-APRIL 2015

Manager | Ingrid Bengis Seafood | Stonington, ME

This job brought me to Maine and introduced me to the fisheries industry. I learned so much, about boats, aquaculture, and organization. It was during this job that I visited my first oyster farm; something even 10 years ago I felt very drawn to.

- Accomplished multiple tasks within established timeframes.
- Maximized performance by monitoring daily activities.
- Kept detailed records of daily and weekly progress.
- Accountable to fisherman, divers, crab pickers, farmers, and chefs.

EDUCATION

JUNE 2012

Bachelor of Arts: Women & Gender Studies; Sociology

University of Colorado At Boulder, Boulder, CO

JUNE 2007

High School Diploma

Sandy High School, Sandy, OR

16. FINANCIAL CAPABILITY

A. Financial Capability

Please provide a letter from a financial institution indicating the applicant has an account in good standing.

Note: Any financial information you submit with your application is part of the public record. Please exercise discretion when submitting financial information.

SEE NEXT PAGE



January 18th 2023

To whom it may concern –

I am writing this on behalf of Allison E Melvin, that her account has been in good standing since opening it in 2018.

Sincerely,

A handwritten signature in black ink that reads "Katrina A. Eaton".

Katrina A Eaton

Relationship Banker

PO Box 65

Stonington ME 04681-0065

207-367-2201



B. Cost Estimates

Please provide cost estimates of the proposed aquaculture activities.

At full capacity, the proposed activities will cost approx. \$300k for all cages, bags, lines, and moorings. See below table

Year	Final Oyster Size (in.)	Oysters per Crate (#)	Ratio of Crates Required (%)	Space Required on Site (%)	Number of Crates Required (#)	Total Oysters on Site (#)
1	1	3714	11%	7.2%	102	379,333
2	2	886	48%	30.0%	428	379,333
3	3	423	100%	62.9%	898	379,333*
		Total	1.59	100%	1428	1,138,000

Oyster Production per year assuming growth of 1 inch/year. *379,333 represents the oysters produced per year with a total biomass on site of 1,138,000 at 100% site capacity.


17. 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	
<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

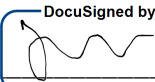
*DMR may increase the bond/escrow requirements for leases with more than 2,000 square feet of structure.

I, (printed name of applicant) Allison Melvin have read DMR Aquaculture Regulations Chapter 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, in the amount determined by the lease category.

DocuSigned by:

 Allison Melvin
 4ADD1441235A474...
 Applicant Signature Date
 5/15/2023
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) Jesse Klein have read DMR Aquaculture Regulations Chapter 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, in the amount determined by the lease category.

DocuSigned by:

 Applicant Signature Date
 5/15/2023
Note: Add title if signing on behalf of a corporate applicant.

19. LANDOWNER/MUNCIPAL PERMISSION REQUIREMENTS *(if applicable)*

NOT APPLICABLE

Directions: If any portion of the site is intertidal, you need to complete the steps outlined below.

Step I: Obtain written permission from all intertidal landowners.

Pursuant to DMR Regulations Chapter 2.10(3)(G) the Department requires *written permission of every owner of intertidal land in, on, or over which the 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*.

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.

Feb. 1, 2023

**Letter In Support of Aquaculture Lease Application
For Allison Melvin and Jesse Klein**

To: Maine Department of Marine Resources
From: Timothy G. and Emily H. Hoechst
81 Oak Point Rd
Deer Isle, ME 04627

Dear Maine DMR:

We are writing in enthusiastic support of Allison Melvin and Jesse Klein's lease application for an oyster farm near our property in Deer Isle.

We have owned our home on Oak Point since 2006, and our property sits directly on Fish Creek/Greenlaw cove. Allison has shared their application with us, and it appears from the boundary drawings that the farm will lie directly within the line of sight of our property on Oak Point, situated between us and Campbell Island. We support this application for the following reasons:

- (1) We believe it is important for the Deer Isle fishing economy to diversify, and that aquaculture can be an important part of that diversification. A fishing economy made up of many kinds of activities—from clamming to lobstering to oyster farming—is a more resilient economy, better able to provide livelihoods for Deer Isle residents. We support the work Allison and Jesse have already done in testing this lease site with a small farm, and therefore support their application for a full site lease.
- (2) We also believe it is important for the next generation of young people to have opportunities to create their own businesses, and Allison and Jesse are doing just that. The future health of the island depends upon year-round residents' commitments to investing in Deer Isle's economy, and oyster farming is a perfect example of such a commitment.
- (3) Finally, our conversations with Allison have convinced us that they have a deep respect for sustainable aquaculture, that they are striving to balance their new venture with the health and beauty of Greenlaw Cove, and that they are being conscientious about meeting all of the DMR's requirements for a new aquaculture lease. They have an amazing work ethic and are wonderful citizens of the island. We are happy to support their application.

All best,
Tim and Emily Hoechst
thoechst@mac.com, ehoechst@mac.com

To whom it may concern,

I am writing to show my support of the expansion of the lease for the Fish Creek Oyster farm. I have shipped oysters out of the state of Maine across the country to discerning chefs since 1999. The restaurants that spend the money for shipping do so because they care about the sustainability of the sea products they are purchasing. They know that oysters are hugely beneficial to cleaning up and sustaining our ocean ecosystems; and that Maine has prudent regulations in place. I believe oyster farming is a wonderful addition to the diversification of our fisheries, and there is room for growth in our area.

Respectfully,
Sue Buxton

Cell: 207.632.0249
Buxton Boats LLC
Ingrid Bengis Seafood LLC
Day Boat Fresh
139 Burnt Cove Rd
Stonington, ME 04681

GREENHEAD HOLDINGS LLC

PO Box 670

Stonington, ME. 04681

207-632-0125

Hugh@greenheadlobster.com

January 23rd, 2023

Dear DMR Aquaculture,

I am writing in support of Allison Melvin and Jesse Klein's standard lease application for oysters near Campbell Island in Deer Isle, Maine.

As Founder & Owner of Greenhead Lobster, I have worked closely in Stonington and surrounding Deer Isle for over 25 years. Greenhead Lobster owes much of its success to the hardworking lobsterman and women who work on the waterfront, and the Greenhead employees who work on getting the highest quality lobster to customers around the globe.

Allison has been an outstanding employee of Greenhead Lobster for 6 years and knows the lobster industry in the area very well. The proposed lease will not interfere with lobster fishing in the area and Allison's and Jesse's experience working their 4 LPA sites in the same location makes them ideal candidates for a standard lease in Deer Isle.

Respectfully submitted,

Hugh Reynolds
Authorized Member
Greenhead Holdings, LLC