

## EXPERIMENTAL LEASE APPLICATION

### 1. APPLICANT CONTACT INFORMATION

Applicant	Norumbega Oyster Inc.
Contact Person	Eric Peters
Address	19 Snow Rd
City	Nobleboro
State, Zip	Maine
County	Lincoln
Telephone	207-380-8158
Email	eric.e.peters@gmail.com

*Note: If applicant is a corporation or a partnership, the “Corporate Applicant Information Document” available at: <http://www.maine.gov/dmr/aquaculture/forms/experimental.html> must also be completed.*

### 2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Walpole/South Bristol
Waterbody	Damariscotta River
General Description (e.g. south of B Island)	Eastern shore South of Merry Island
Lease Information	
Total acreage requested (4-acre maximum)	2.78 Acres
Type of culture (check all that apply)	<input type="checkbox"/> Bottom (no gear) <input checked="" type="checkbox"/> Suspended (gear in the water and/or on the bottom) <input type="checkbox"/> Net Pen (finfish)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Note:</b> If you selected yes, you need to complete the steps outlined in the section titled: “17. Landowner/Municipal Permission Requirements”.

### 3. WATER QUALITY

Directions: Water Quality Information can be found here: <http://www.maine.gov/dmr/shellfish-sanitation-management/closures/pollution.html>

Pollution Area (e.g. "19-A"):	WQ
Pollution Area Section (e.g. "B.2". or "none"):	A
Water Quality Classification (e.g. approved, restricted, etc	Open approved

**Note:** If you are proposing to grow molluscan shellfish in waters classified as anything other than open/approved, you will need to contact the Bureau of Public Health to discuss you plans at the following email: [DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)

### 4. GENERAL LEASE INFORMATION

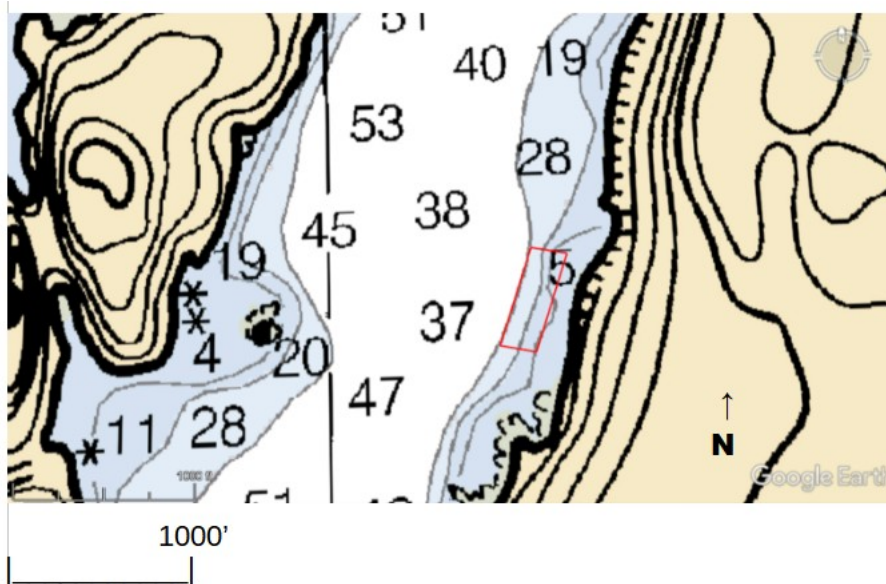
A. Please complete the table below and add additional rows as needed.

Name of species to be cultivated (include both common and scientific names):	Name and address of the source of seed stock, juveniles, smolts, etc., to be cultivated:
1. Eastern American Oyster Crassostrea virginica	Muscongus Bay Aquaculture
2.	
3.	
4.	
5.	

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 you plans at the following email: [DMRPublicHealthDiv@maine.gov](mailto:DMRPublicHealthDiv@maine.gov)

## 5 Vicinity Map



## 6 Boundary Drawing



## 7. RESEARCH PROGRAM AND OPERATIONS

**Directions:** If you are cultivating more than one species, you will need to provide information for each species. Please attach a separate page if needed.

**A. Type of study (check one):**  Scientific Research  Commercial Research

*Please note:*

*a) Scientific research is 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.**

Purpose is to determine if proposed area is a viable area for oyster cultivation.

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

A. Surface culture in oyster growout cages

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

Seeding would occur April-August. Tending and harvesting would eventually occur year round.

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

April-August seeding will occur on the proposed lease site. During seeding, activity will occur on the lease site 2-3 times per week. Harvesting during this period will occur 1-2 times per week.

September - March Harvesting will occur 1-2 times per week and seeding will not occur during this time period.

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

1-2 times per week

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

Harvesting of grow out will consist of pulling ADPI bags out of grow out cages.

**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.**

Gear will remain onsite. Roughly 50% of the gear will be lowered to the bottom in November where it will sit until April. The remainder will remain on the surface for winter harvesting of market product.

**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?

Hydraulic lifting equipment will be utilized on the proposed lease site 1-2 days per week depending on quantity of growout cages present on the lease site. This machinery will be used from April – October for general cage maintenance. This equipment will then be used for harvesting of product from cages November- May 1-2 days per week.  
Sorting tumblers (Hydraulic pump driven sorting tubes or vibrating sieves) which sort oysters for size and clean the oysters with a wash down pump will be utilized April-October 1-2 times per week. Hydraulic gear and wash down pump will be powered by 3-5 hp gasoline engine.

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

None

**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.

Attach physical deterrents to the cages

Physical deterrents moored on site (Moving Fake Hawks/Eagles)

Product is relocated to final storage for purging before final harvest.

## 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.

<b>A.</b> 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 the activity occurs c) frequency, and d) proximity to the lease site.
<b>1. Commercial Fishing</b>
Commercial lobstering exists in the channel to the West of the proposed lease April- Dec. 90-95% of this activity begins approximately 400-feet to the east and extends well into the channel. There have been no traps observed in the proposed lease for the last 2 years.
<b>2. Recreational Fishing</b>
None
<b>3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water).</b>
The proposed lease is located about 600 feet to the East of the main channel. A lot of traffic occurs in the summer months in this channel. Traffic in the channel consists of both commercial and recreational vessels of all sizes traveling up and down the river. The proposed lease is immediately adjacent to the deep water depth contour of this channel.
<b>4. Riparian Ingress/Egress</b>
None. The eastern edge of the lease is located 100 feet off riparian shoreline. There were no observed access points from the shoreline. The shoreline has a steep gradient into the woods
<b>5. Other uses (kayaking, swimming, etc.)</b>
None noticed

<b>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.
There are 2 private docks located approximately 1500' and 1800' to the North of the proposed lease.

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**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.**

None

**D. Are there any limited Purpose Aquaculture (LPA) licenses or Aquaculture leases within 1000 feet of your proposed lease site**

Norumbega has an Experimental lease 50 feet to the North of proposed lease (DAMMIx)



**9. CURRENT OPERATIONS**

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

<b>A. Describe your existing aquaculture operations.</b>
Standard Leases held by Norumbega Oyster and Eric Peters DAMNP, DAMPPN, DAMHIS Experimental Leases held by Norumbega Oyster DAMDUX, DAMMIx LPA's held by Eric Peters EPET521, PETE112, EPET217 5

<b>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.</b>
Leases and LPA's would continue as is.

**10. EXCLUSIVE USE**

<b>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.</b>
None

## 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?

The Northern edge of the lease has a mean low water depth of 15-18 feet  
The Southern edge of the lease has a mean low water depth of 12-15 feet

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

The Northern edge of the lease has a mean high water depth of 24-28 feet  
The Southern edge of the lease has a mean high water depth of 20-25 feet

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

The current speed at maximum ebb and flow is between 3-5 knots in a North and South direction.

**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 Northern area of the lease is a muddy bottom and as you move to the Southern side of the lease it continually gets a sandy muddy bottom.

<p><b>2.</b> Describe the bottom topography (flat, steep rough, etc.).</p>
<p>The bottom topography is basically flat with a slow pitch upward as you move South and East.</p>
<p><b>3.</b> 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?</p>
<p>There are crabs (common), worms (common), shrimp(common), kelp (rare) existing on rocks.</p>
<p><b>4.</b> Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.</p>
<p>None</p>
<p><b>5.</b> Describe the presence and extent of submerged aquatic vegetation, i.e. eel grass, 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.</p>
<p>All observations have been done on numerous dives within the lease area in years of 2021 and 2022. These observations occurred in the months of August and September of 2021 and the months of April and June of 2022. Rare findings of Kelp found on rocks located outside of the lease area. No eel grass was observed within the proposed lease boundaries.</p>

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

Rocky shoreline which transitions to steep forested area quickly.

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

## 12. STRUCTURES

### OVERHEAD VIEW

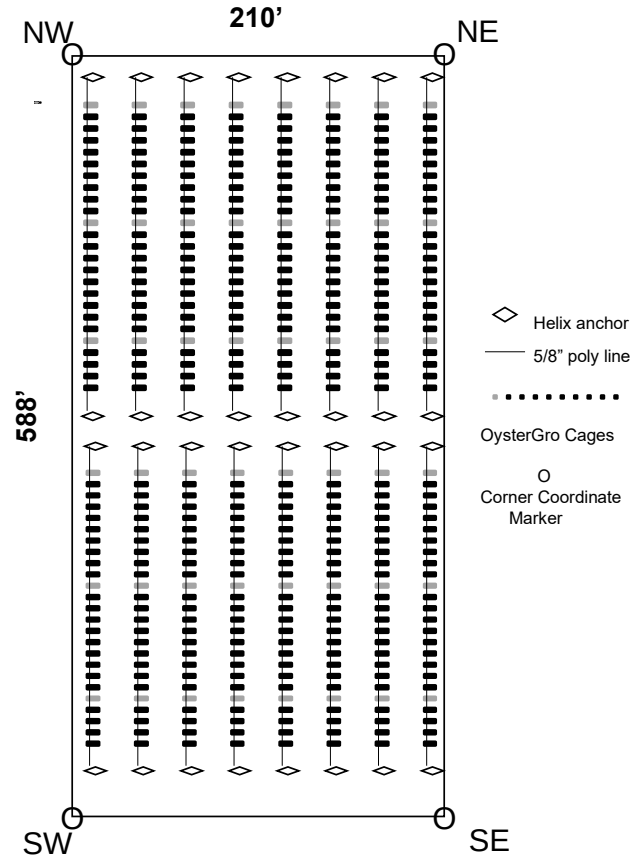
#### 2.78 Acres

25 (6 pack) Oystergro cages per line

6 pack growout cages  
 2 sets of 8 rows of lines spaced at 28' apart  
 Each line would contain a maximum of 25 cages  
 Spaced 8' apart (400 cages max.)

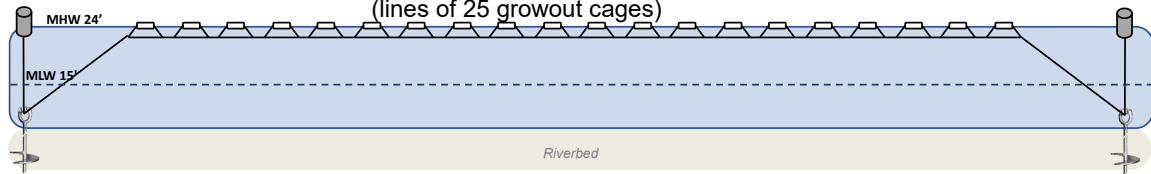
The outside anchors have 30' scope  
 From anchor to the 1<sup>st</sup> cage. The  
 Middle sets of anchors are utilized by  
 Both lines and have 20'-25' of scope  
 Between cage and anchor.

Proposed coordinates South of Merry Island	
	43°56' 39.92"N,
NE	69°34' 41.27"W
	43°56' 34.45 "N,
SE	69°34' 44.01"W
	43°56' 34.87"N,
SW	69°34' 46.79"W
	43°56' 40.30"N,
NW	69°34' 44.06"W



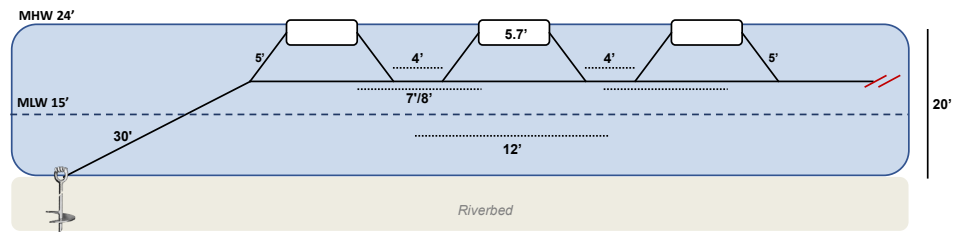
# Cross Sectional View

CROSS-SECTION VIEW: IN-SEASON (April – November)  
(lines of 25 growout cages)

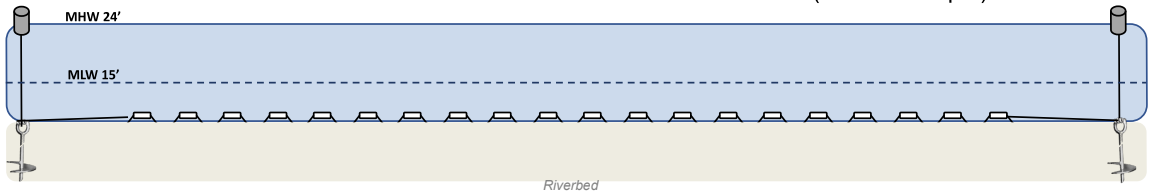


TO SCALE CROSS-SECTION VIEW: IN-SEASON (April – November)

- 5/8" poly sink line
- 10" screw, 3/4" shaft helix mooring
- Growout cages



CROSS-SECTION VIEW: OVERWINTERING SUNK POSITION (October – April)



Views do not represent actual number of cages  
(actual number is 25 growout cages per line)

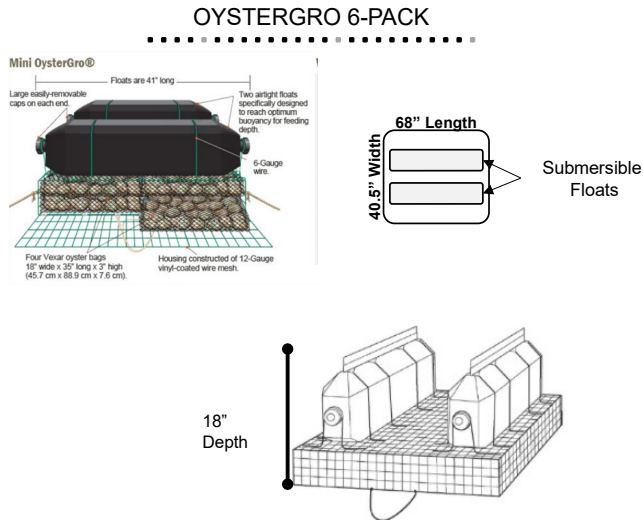
### C) Gear Description


**Directions:** List each individual gear type that you will use in the table below.

<b>Specific Gear Type</b> (e.g. soft mesh bag)	<b>Dimensions</b> (e.g. 16"x20"x2")	<b>Time of year gear will be deployed</b> (e.g. Spring, Winter, etc.)
Grow out cage 6	40.5"x68"x18"	Year round
Mesh cage bags	2"x19"x35"	Year round
Moorings	4'x3/4" diameter shank 10" screw diameter	Year round
Marker buoys	8"x15" Yellow corner markers	Year round

D) Gear Drawing

**GEAR DRAWING (6PK EXAMPLE)**



SeaFarm Buoys 

GD-9L-S	GD-7L-C	GD-15L-C	GD-18L-C
33.2 cm	36.7 cm	H: 47.5 cm	H: 53.6cm
25.1 cm	20.0 cm	W: 25.1 cm	W: 25.1cm
8.4kg	6.7kg	14.6kg	17.4kg

**Vexar oyster bags configurations**

- 4mm diamond**
- 9mm square**
- 14 mm diamond**

**Helix Mooring**  
 Galvanized steel  
 12,000lb rating  
 10" screw  
 3/4" diameter  
 4' length

**13. MARKING**

Will you be able to mark your site in accordance with DMR regulations, Chapter 2.80?

Yes     No

If you answered no, explain why and suggest alternate markings.

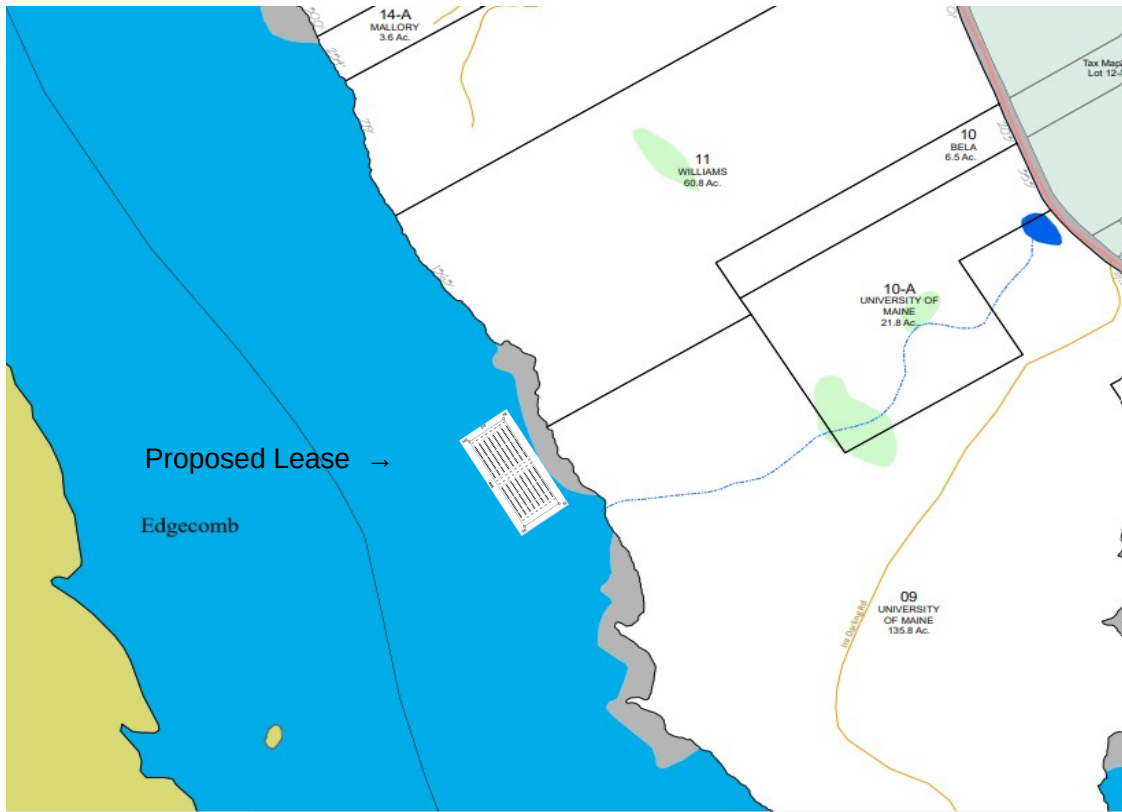
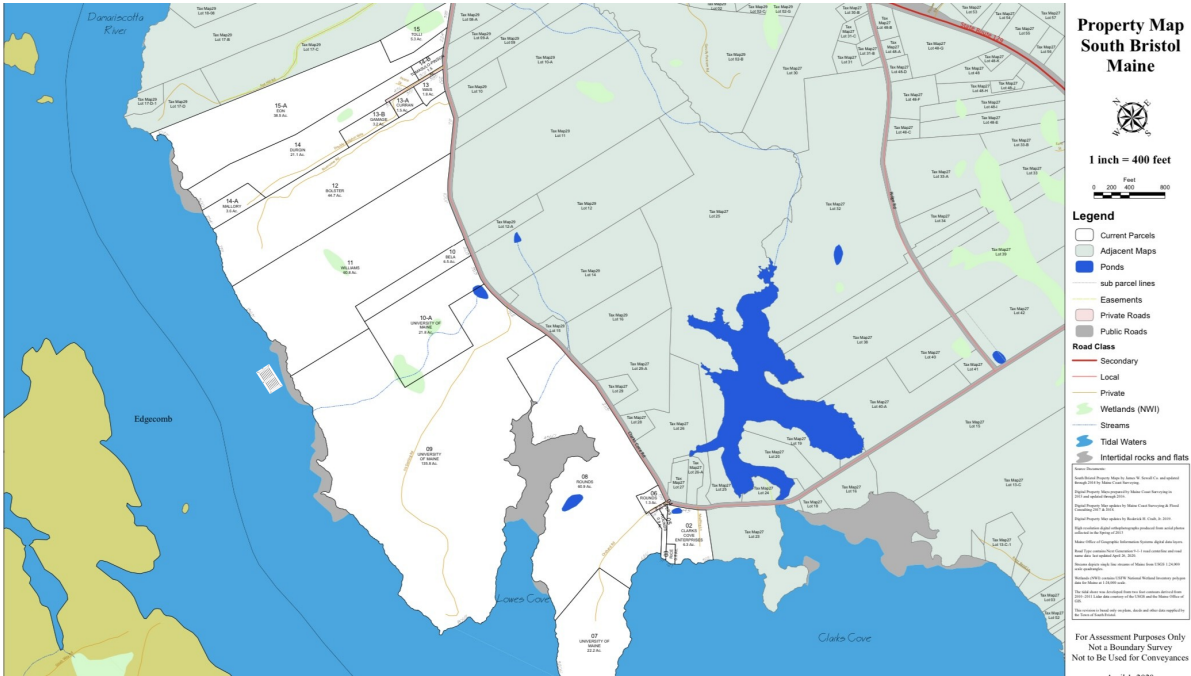


**14. RIPARIAN LANDOWNERS AND SITE ACCESS**

**A. TAX MAP/Riparian List**  
See next two pages

**B.**  
Will your access to the lease area be across riparian land?  
 Yes     No

**C. How will you access proposed lease site?**  
Proposed leases site will be accessed by boat.



**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: South Bristol

MAP #	LOT #	Landowner name(s) and address(es)
28	12	Leslie C. Bolster 45 Prentiss Cove Rd Walpole ME 04573
28	11	Karla Williams & N. Hofmeister 53 East 66 <sup>th</sup> Street NY, NY 10021
28	09	University of Maine Darling Marine Center Walpole ME 04573
28	14A	Mallory, Christopher & Kristin P.O. Box 144 Walpole, ME 04573

Please use additional sheets if necessary and attach hereto.

**CERTIFICATION**

I, Brenda Bartlett, Town Clerk for the Town of South Bristol 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: Brenda Bartlett DATE: 9/23/2022



**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*) Eric Peters 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.

*Eric Peters*

12/29/22

**Applicant Signature**

**Date**

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

**ADDITIONAL APPLICANTS:** Each applicant must sign this section indicating that they will open an escrow account or obtain a performance bond. Use the space below for additional persons listed on the application. You may attach additional pages, if necessary.

I, (*printed name of applicant*) \_\_\_\_\_ have read DMR Aquaculture Regulations 2.64(10)(D) and if this proposed lease is granted by DMR I will either open an escrow account or obtain a performance bond, depending on the category of lease.

\_\_\_\_\_  
**Applicant Signature**

\_\_\_\_\_  
**Date**

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

## 16. APPLICANT SIGNATURE PAGE

I hereby state that the information included in this application is true and correct. I have also read and understand the requirements of the Department's rules governing aquaculture and the application instructions pertaining to the experimental lease process.

Printed name: Eric Peters

Title (*if corporate applicant*): Owner /President

Signature: *Eric Peters* Date: 12/29/22

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.

