

# Town of Brunswick, Maine

INCORPORATED 1739

## COASTAL RESOURCE OFFICE

85 UNION STREET

BRUNSWICK, MAINE 04011

TELEPHONE 207-721-4027

Email - ddevereaux@brunswickme.org

REC'D TOWN OF BRUNSWICK  
SEP 24 '21 PM 1:20

Daniel R. Devereaux

Coastal Resource  
Manager

### Brunswick Marine Resources Committee Request for Aquaculture Application Review

You are applying for permission to conduct aquaculture activities within the Town of Brunswick shellfish management zone. It is the responsibility of the applicant to conduct and provide an ecological and shellfish resource assessment of the site to the Brunswick Marine Resources Committee and the Coastal Resource Office 14 days prior to meeting with the Committee. The Committee meets the first Wednesday of every month at 7PM. Completion of the below questionnaire shall meet that purpose of an individual assessment under Town of Brunswick Code of Ordinances Chapter 11 Section 11-167. A completed Maine Department of Marine Resources aquaculture application must accompany this form when submitted.

Last Name: Green First Name: CHRIS Middle Initial: J  
Address: 8 Benny Brook Pl Town: Brunswick State: ME Zip Code: 04011  
Telephone: 207.319.0528 Email Address: cgreen@brunswickme.org Cell Phone: same

Riparian Owners Notified YES ☒ NO ☐

#### SITE INFORMATION

Location (GPS): 43.84706 -69.926426 43.847934 -69.925503 43.848056 -69.928151 43.847232 -69.928215 Name of Waterbody: The Beach / HARPWELL / Sand extrusion

Date of applicant assessment: 9.24.2021

Is this area currently being harvested by shellfish or marine worm harvesters? Yes ☐ No ☒ (if yes please explain) \_\_\_\_\_

Is there existing shellfish resources within the site or nearby? Yes ☒ No ☐ (if yes please explain) There is commercial in intertidal and up in the cove (Robbies)

Is there existing marine worm resources within the site or nearby? Yes ☐ No ☒ (if yes please explain) \_\_\_\_\_

Are you aware of any historical shellfish resources being harvested from the proposed site? Yes ☒ No ☐ (if yes please explain) \_\_\_\_\_

Is there eel grass within 25' of the proposed site? Yes ☐ No ☒ (if yes please attach map of the location in relation to the site)

Is the proposed site within a mapped essential habitat? Yes ☐ No ☒ (if yes please attach map of the location in relation to the site and explain essential habitats)

Have you visited the site during all seasons? Yes ☒ No ☐ (if no please explain) \_\_\_\_\_

Do you consent to participate in a site visit with Town of Brunswick Staff or their consultants to verify the above assessment to help determine site feasibility if applicable? Yes ☒ No ☐ (if no please explain) \_\_\_\_\_

#### LOCAL ORDINANCE

Sec. 11-168. - Intertidal aquaculture review.

The marine resource committee shall review and approve by majority vote any intertidal area for which a department of marine resources intertidal aquaculture application is proposed. The review, as prescribed by the Maine Department of Marine Resources Chapter 2 Aquaculture Lease Regulations, shall consist of the following:

- (1) A shellfish inventory to determine existing managed shellfish resources, if any;
  - (2) A survey of existing and historical flora and fauna, including eel grasses, and marine worms; and
  - (3) The applicant shall submit a report detailing the findings of a shellfish inventory and flora and fauna study to the committee at least fourteen (14) business days in advance of the meeting date at which the application is to be reviewed by the committee.
- (b) Aquaculture review fees. A person who has submitted an application to the Maine Department of Marine Resources for an aquaculture lease or license, intertidal or not, pursuant to 12 M.R.S.A. ch. 605, subchapter 2, and who has sought review by the Town of Brunswick shall pay a fee, as set forth in the master schedule of fees, adopted as an appendix to this Code, for the administrative costs associated with the application. The fee shall not exceed the amount as defined in 12 M.R.S.A. § 60

Signature: [Signature] Date: 9.24.2021

[www.brunswickme.org/departments/planning/coastalresources](http://www.brunswickme.org/departments/planning/coastalresources)

Chris email PDF today 9/24/2021



## **EXPERIMENTAL** **AQUACULTURE LEASE APPLICATION**



This is an application for an experimental aquaculture lease. You are encouraged to review the experimental lease regulations and application instructions to obtain a complete understanding of the experimental lease process. Regulations and the application instructions are available at the DMR website: [www.maine.gov/dmr/aquaculture](http://www.maine.gov/dmr/aquaculture).

This is a joint application to be used by the Maine Department of Marine Resources (DMR) and the U.S. Army Corps of Engineers (USACOE). **Written authorization from both agencies is required before aquaculture activities are conducted.** Information regarding the USACOE is available at:

<https://www.nae.usace.army.mil/Portals/74/docs/regulatory/StateGeneralPermits/ME/Maine-General-Permit-2015.pdf>

**Fee:** The Maine Department of Marine Resources requires a **non-refundable** \$100 fee for experimental aquaculture lease applications.

### **Mailing Instructions:**

Provide one copy of your application to DMR at the appropriate address listed below. DMR will notify the applicant once the application has been received.

If sending via U.S. Post Office:	If sending by FedEx, UPS or other overnight service (except the U.S. Post Office):
DEPARTMENT OF MARINE RESOURCES ATTN: Aquaculture Leasing 21 State House Station Augusta, Maine 04333-0021	DEPARTMENT OF MARINE RESOURCES ATTN: Aquaculture Leasing 32 Blossom Lane Augusta, Maine 04333

Provide one copy of your application to the USACOE address listed below.

U.S. ARMY CORPS OF ENGINEERS  
MAINE PROJECT OFFICE  
442 Civic Center Drive, Suite 350  
Augusta, Maine 04330

## APPLICATION INSTRUCTIONS

Before submitting your application make sure you have answered all questions and included all the necessary documents. ***Failure to do so may result in significant delays in processing time.***

### General suggestions for completing experimental lease applications

- Answer all questions clearly and in detail.
- If a question does not pertain to your proposed operations, please write “**not applicable**” or “**N/A.**” *Leaving questions blank will result in processing delays.*
- If you have questions about the application or leasing process, please contact DMR at (207) 624-6567.
- Please label all maps, diagrams, and images according to the instructions provided.

## APPLICATION SUBMISSION CHECKLIST

**Please note:** This checklist is provided for the applicant's reference and does not need to be returned with the application.

### I. Content

\_\_\_\_\_ **Payment** for non-refundable application fee (\$100.00). Checks should be included with the application and payable to "Treasurer State of Maine". If paying via credit card, DMR staff will contact you with payment instructions once the application has been received. DO NOT include your credit card information with the application. ***Note:** your application will not be reviewed until payment has been received.*

\_\_\_\_\_ **One (1) Vicinity map** with required items shown

\_\_\_\_\_ **One (1) Boundary drawing** with required items shown

\_\_\_\_\_ **One (1) Overhead view** depicting layout of gear from overhead

\_\_\_\_\_ **One (1) Cross section view** depicting gear & moorings from the side

\_\_\_\_\_ **Tax map**

\_\_\_\_\_ **Riparian list**, certified (*if applicable*)

\_\_\_\_\_ **Written permission** from riparian landowners, if their property will be used to access the site (*if applicable*).

\_\_\_\_\_ **Corporate applicant information document** and articles of incorporation or documentation of partnership (*if applicable*). This form is required and must be submitted if the applicant is a corporation or partnership (available at <https://www.maine.gov/dmr/aquaculture/forms/standard.html>).

### If the proposed lease site is above mean low water:

\_\_\_\_\_ **Written permission** from all riparian landowners of the intertidal land on which the lease is proposed

\_\_\_\_\_ **Written consent** from the municipal officers (only required if the municipality has a shellfish conservation program per MRSA §6671).

### II. Formatting

\_\_\_\_\_ All pages (including attachments) are numbered sequentially

\_\_\_\_\_ All attachments are clearly labeled and legible

\_\_\_\_\_ Drawings and maps are legible, labeled properly, and include all required elements

\_\_\_\_\_ All questions have been answered and signature pages signed

## EXPERIMENTAL LEASE APPLICATION

### 1. APPLICANT CONTACT INFORMATION

Applicant	Christopher Green
Contact Person	Christopher Green
Address	8 Bonny Brook Place
City	Brunswick
State, Zip	Maine 04011
County	Cumberland
Telephone	207-319-0528
Email	c.green48@yahoo.com
Payment Type	<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 checked regularly. If you do not use email, please leave this blank.

### 2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Harpswell, Maine
Waterbody	The Reach. (Outer reach of Harpswell Sound)
General Description (e.g. south of B Island)	Intertidal mudflats located within the Reach
Lease Information	
Total acreage (4-acre maximum) and lease term (3-year maximum) requested	4 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

### 3. GROWING AREA DESIGNATION

*Directions:* Information for growing area designations can be found here:

<https://www.maine.gov/dmr/shellfish-sanitation-management/closures/index.html>

Growing Area Designation (e.g. "WL"):	WK Approved
Growing Area Section (e.g. "A1"):	

**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.

<b>Name of species to be cultivated</b> <i>(include both common and scientific names):</i>	<b>Name and address of the source of seed stock or juveniles</b>	<b>Maximum number (or biomass) of organisms you anticipate on the site at any given time</b>
Hard Clam/ quahog ( <i>Mercenaria mercenaria</i> )	Muscongus Bay Aquaculture PO Box 204 Bremen, Me 04551 207-529-4100  Downeast Institute 39 Wildflower Lane Beals, ME 04611 2072595048  Mook Sea Farm 321 ME RT 129 Walpole, Me 04573 207-563-1456	4 million
Soft-shelled clam ( <i>Mya arenaria</i> )	Muscongus Bay Aquaculture PO Box 204 Bremen, Me 04551 207-529-4100  Downeast Institute 39 Wildflower Lane Beals, ME 04611 2072595048  Mook Sea Farm 321 ME RT 129 Walpole, Me 04573 207-563-1456	4 million
Atlantic Razor clam ( <i>Ensis directus</i> )	Downeast Institute 39 Wildflower Lane Beals, ME 04611 2072595048	4 million

**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)

**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](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

## 6. BOUNDARY DRAWING

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

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

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



## 7. RESEARCH PROGRAM AND OPERATIONS

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

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

*Please note:*

*a) 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.**

The purpose is to determine the long term viability of a commercial harvest in 'The Reach.' If the site proves successful then I will pursue a standard lease.

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

The nursery side seed will be cultured in bags and when they are of viable size they will be planted in the flat.

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

Year round or all months that allow for access. Ice is the determining and limiting factor.

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

Up to 7 days a week.

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

Up to 7 days a week.

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

Products will be hand harvested using a clam hoe.

**H.** Describe any overwintering or “off season” plans for the site. For example, will you remove gear from the site and/or deploy gear in different areas within the proposed site? Please include where gear or product will be located if moved from the site.

All gear may be removed before ice is expected. Marker buoys will remain on site year round.

**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?

No machinery will be used at the site.

**J.** Please provide details on any predator control techniques you plan to employ, including the use of bird deterrents. Will you use commercially available or custom equipment? If commercially, available equipment, please include the brand and model names. If custom equipment, please attach a detailed schematic that includes the dimensions, materials, and function of the equipment.

There will be either 4 foot wide chicken wire that will be placed in rows 1 foot apart from each other, running the length of the lease to protect shell stock that is planted in the flats. It is secured to the bottom using either PVC or rebar.

I may alternatively use netting available from the company "Industrial Netting" which is sold in 14' wide by 3,000' long bird netting.

The chicken wire is 1" netting 20mm gauge staked with PVC or rebar.

## **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**

There has been no commercial fishing observed at the site.

### **2. Recreational Fishing**

There has been no recreational fishing observed at the site, though it might occur periodically. The site is not a known recreational spot.

**3. Boating Activities** (please also include the distance to any navigable channel(s) from your proposed site at low water)

There is a channel with boat activities nearby. Recreational and potentially commercial boaters passing through from New Meadows or the Sound through the channel.

**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.)**

Ingress and egress will be unaffected to shorefront property owners within 1,000 feet of the proposed site.

**5. Other uses (kayaking, swimming, etc.)**

It is possible that there will be kayakers or swimmers in the area.

**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 no docks or moorings within 1,000 feet of the lease.

**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 are no public areas within 1,000 feet of the site.

**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 LPAs within 1,000 feet of the site.

## 9. CURRENT OPERATIONS

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

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

I have no existing leases or licenses.

**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.

Not applicable.

## 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.

I ask that commercial shellfish harvesting be excluded from the site. The location is not accessible to most boats between low and mid tide but I have no issue with boats or kayakers.

## 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 site 1 foot +/- . At astronomical tides the site can potentially become exposed and fully drain.

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

10 feet +/-.

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

2 knots +/- Travels North to South (True North)

**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.)?

Mud bottom.

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

It 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?**

The site has been observed and dug as a part of selection research. There was no shellfish to be found. There has been no observed fish at the site. There has been no eelgrass or rockweed observed at the site either.

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

There is a commercial shellfish area in the head of the cove "Robbies." This is not within 1,000 feet of the site.

**5. Describe the presence and extent of submerged aquatic vegetation, i.e. eelgrass, within the proposed lease area. Please include the date of this observation along with the method of observation. If submerged aquatic vegetation is observed, please also describe the abundance below and sketch the limits of the beds in the vicinity map.**

There is no eelgrass at the site or nearby. No other aquatic vegetation has been observed, including rockweed.

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

The general shoreline is rock. The nearby land is residential and is forested uplands.

**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.

### A) **Overhead View** (please label this “Overhead View”):

**Directions:** All dimensions need to be labeled with the appropriate units (i.e. 10ft, 10in)

- Show maximum layout of gear including moorings.
- Show dimensions of entire gear layout
- Show approximate spacing between gear.
- Show lease boundaries and the location of proposed markers on all drawings.

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

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

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

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

### C) Gear Description

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

<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.)	<b>Maximum amount of this gear type that will be deployed on the site</b> (i.e. 200 cages, 100 lantern nets, etc.)	<b>Species that will be grown using this gear type</b>
Soft nylon grow bags – each has up to 2 cork buoys attached by a zip tie	3' X 4'	Spring through risk of ice. April – December	8,000  This is the maximum number but I do not anticipate or plan to deploy this many bags.	Hard shell clams, soft shell clams or razor clams
Chicken wire OR Predator netting	Up to 74 rows of 4' X length of site Up to 20 rows of 14' X length of site (475' to 622')	Spring through risk of ice. April – December	Predator netting could potentially cover all gear on lease. 4 acres.	Hard shell clams, soft shell clams or razor clams
LD2 Buoys	22"	Year round	20	N/A
50 lb mooring anchors or helical anchors		Year round	20	
PVC Collection boxes	2'X4'	Up to year round	8	Hard shell clams, soft shell clams or razor clams

### D) Gear Drawing (please label this “Gear Drawing”).

**Directions:** Include a drawing of an individual piece of gear for each of the gear type(s) you plan to use. The drawing(s) needs to depict the length, width, and height of each gear type with appropriate units referenced (i.e. 10in, 10ft, etc.).

## 13. MARKING

Will you be able to mark your site in accordance with DMR regulations, Chapter 2.80? In part, this requires marker buoys which clearly display the lease ID and the words SEA FARM to be located at each corner of the lease.

☒ 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: 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
  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>
  3. If any portion of the site is intertidal you need to complete the steps outlined in “17. Landowner/Municipal Permission Requirements”.

**B.** Will your access to the lease area be across riparian land?

☒ Yes    ☐ No

**Note:** If you selected yes, you will need to complete the landowner permission requirements included in “17. Landowner/Municipal Permission Requirements” of this application.

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

By both land and water.

Rob and Judy Holland have approved land crossing of their land if necessary. The primary access to the site is intended to be by water.

## 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: Brunswick & Harpswell

MAP #	LOT #	Landowner name(s) and address(es)
Brunswick 35	6	Thomas and Nobuko Walek 311 Princes Pt. road Brunswick ME 04011
Brunswick 35	61	Hillingshead, Robert S & Krupski, Judith A JT 323 Princes Pt Rd Brunswick ME 04011
Brunswick 35	62	337 Princes Pt. Road Hollingshead, Ann 337 Princes Pt. Rd Brunswick Me 04011
Brunswick 35	4	Stern, Edward A & Houghton Whitney T/C 299 Princes Point RD Brunswick ME, 04011
Brunswick 35	20	Kimberly Herrlinger 150 Vaughan St. Portland ME 04102
Brunswick 35	23	Paul Friedland 150 Vaughan St. Portland ME, 04102
Brunswick 35	87	Theresa Baskerville 62 Longreach Rd. Brunswick ME 04011
Harpswell 49	13	State of Maine Forest Authority Baxter State Park Authority In Care of: Jensen Bissell 64 Balsam Drive Millinocket 04462

**Please use additional sheets if necessary and attach hereto.**

## **CERTIFICATION**

I, \_\_\_\_\_, Town Clerk for the Town of \_\_\_\_\_ certify that the names and addresses of the property owners listed above, as well as the map and lot numbers, are those listed in the records of this municipality and are current as of this date.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

## 15. ESCROW ACCOUNT OR PERFORMANCE BOND

Check the category that describes your operation:

Check Here	Lease Category	Amount of Required Escrow or Performance Bond
<input type="checkbox"/>	No gear/structure, no discharge	None
<input type="checkbox"/>	No gear/structure, discharge	\$500.00
<input type="checkbox"/>	≤ 400 square feet of gear/structure, no discharge	\$1,500.00
<input checked="" type="checkbox"/>	>400 square feet of gear/structure, no discharge	\$5,000.00*
<input type="checkbox"/>	Gear/Structure, discharge	\$25,000.00

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

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

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

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

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

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

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

---

**Applicant Signature**

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

---

**Date**

## 16. APPLICANT SIGNATURE PAGE

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

Printed name: \_\_\_\_\_

Title (*if corporate applicant*): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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.**

### **PART II: If any portion of the site is intertidal you need to complete the following steps:**

#### **Step I: Obtain written permission from all intertidal landowners.**

Pursuant to 2.64(C)(6) the Department requires *written permission of every owner of intertidal land in, on, or over which the experimental activity will occur*. It is your responsibility to obtain written permission and include it with your application materials. Please note that the Department does not provide forms for landowner permission.

#### **Step II: Determine if the municipality where your site is located has a shellfish conservation program.**

Pursuant to 12 MRSA §6072(3) *In any municipality with a shellfish conservation program under section 6671, the Commissioner may not lease areas in the intertidal zone within the municipality without the consent of the municipal officers.*

If the municipality where the proposed lease site is located has a shellfish conservation program, it is your responsibility to obtain consent for the proposed lease site from the municipal officers (i.e. the selectmen or councilors of the town, or the mayor and aldermen or councilors of a city.) Consent means a majority vote of the municipal officers as recorded in a public meeting.

It is your responsibility to contact the municipality and determine if they have a shellfish conservation program. Best practices would include discussing your plans with shellfish committee members, but only the consent of municipal officers is required.

1. Does the municipality, where the proposed site is located, have a shellfish conservation program? ☐ Yes ☐ No

**If you answered yes**, please attach documentation from a public meeting demonstrating that a majority of municipal officers have consented to your proposal.

## APPLICATION SUBMISSION CHECKLIST

**Please note:** This checklist is provided for the applicant's reference and does not need to be returned with the application.

### I. Content

- \_\_\_\_\_ **Check** for non-refundable application fee (\$100.00), payable to *Treasurer State of Maine*.
- \_\_\_\_\_ **One (1) Vicinity map** with required items shown
- \_\_\_\_\_ **One (1) Boundary drawing** with required items shown
- \_\_\_\_\_ **One (1) Overhead view** depicting layout of gear from overhead
- \_\_\_\_\_ **One (1) Cross section view** depicting gear & moorings from the side
- \_\_\_\_\_ **Tax map**
- \_\_\_\_\_ **Riparian list**, certified (*if applicable*)
- \_\_\_\_\_ **Written permission** from riparian landowners, if their property will be used to access the site (*if applicable*).
- \_\_\_\_\_ **Corporate applicant information document** and articles of incorporation or documentation of partnership (*if applicable*)

#### **If the proposed lease site is above mean low water:**

- \_\_\_\_\_ **Written permission** from all riparian landowners of the intertidal land on which the lease is proposed.

#### **If the proposed lease site is above mean low water and the municipality has a shellfish conservation program:**

- \_\_\_\_\_ **Written permission** from all riparian landowners of the intertidal land on which the lease is proposed; and
- \_\_\_\_\_ **Consent** from the municipal officers.

### II. Formatting

- \_\_\_\_\_ All pages (including attachments) are numbered sequentially
- \_\_\_\_\_ All attachments are clearly labeled and legible
- \_\_\_\_\_ Drawings and maps are legible, labeled properly, and include all required elements
- \_\_\_\_\_ All questions have been answered and signature pages signed



## **Note to Applicants:**

As you prepare your experimental lease application for submission, please review the information below. It is intended to provide you with a general overview of when DMR communicates with applicants during the leasing process. It also includes answers to some frequently asked questions as they pertain to application processing.

### **When Will I Hear From DMR Regarding My Experimental Lease Application?**

Unless otherwise specified, DMR communicates with applicants via email. Please monitor any email address listed on your application on a regular basis. DMR communicates with experimental lease applicants at specific times during the application review process, and you can expect to hear from DMR at the following times:

**1. When your application is ‘deemed complete’ and the comment period has been established**

- DMR strives to review applications within 30 days of receipt. However, you may be asked to submit additional materials or clarify aspects of your application, and this can lengthen the time it may take for an application to be deemed complete.
- Comment periods are open for 30 days, and do not necessarily begin on the same day an application is deemed complete.

**2. During the comment period**

- You will only be contacted during the comment period, if DMR receives five or more written requests to hold a public hearing. DMR will provide you with copies of the hearing requests.
- At the end of the comment period, DMR will send you copies of any comments received, or to let you know that no comments were received.

**3. After DMR conducts the site visit a copy of the site report will be sent to you**

- DMR conducts site visits for applications in the order they are deemed complete. DMR will typically conduct site visits for experimental applications after the comment period has closed. However, the time of year, weather, proposed operations, and any feedback received during the comment period are all factors that may determine when site visits occur.
- Site visits are scheduled and conducted at the discretion of DMR staff. Applicants are usually not present during site visits.

**4. If a hearing is required, DMR will be in touch about scheduling**

**5. A copy of the draft decision will be sent to you for review and comment**

**6. Should a lease be granted, there will be additional communications regarding the execution of your lease.**

Communications between an applicant and DMR tend to be more frequent during the application review period. Once an application has been deemed complete, communications become less frequent because the proposal is moving through the leasing process. Although DMR’s communication with an applicant may become less frequent, applicants should feel free to contact DMR regarding the status of their proposal.

## **FAQs-Application Process**

### **How does DMR staff review applications?**

Applications are reviewed by DMR staff, in the order they are received, at regularly scheduled intervals. DMR staff are reviewing applications to make sure that they contain the requisite information and clearly answer the questions that are being asked. If items are missing or need further clarification, DMR will send you an incomplete letter, which specifies the elements of your application in need of modification. The letter will also include resubmission instructions. DMR will then review any of the new information or materials you provide. Another incomplete letter may be sent if the additional information or materials need further clarification.

### **My application was deemed complete. What does that mean?**

The designation “deemed complete” means that the application contains the necessary information for further processing. It does not mean that the proposal will be granted.

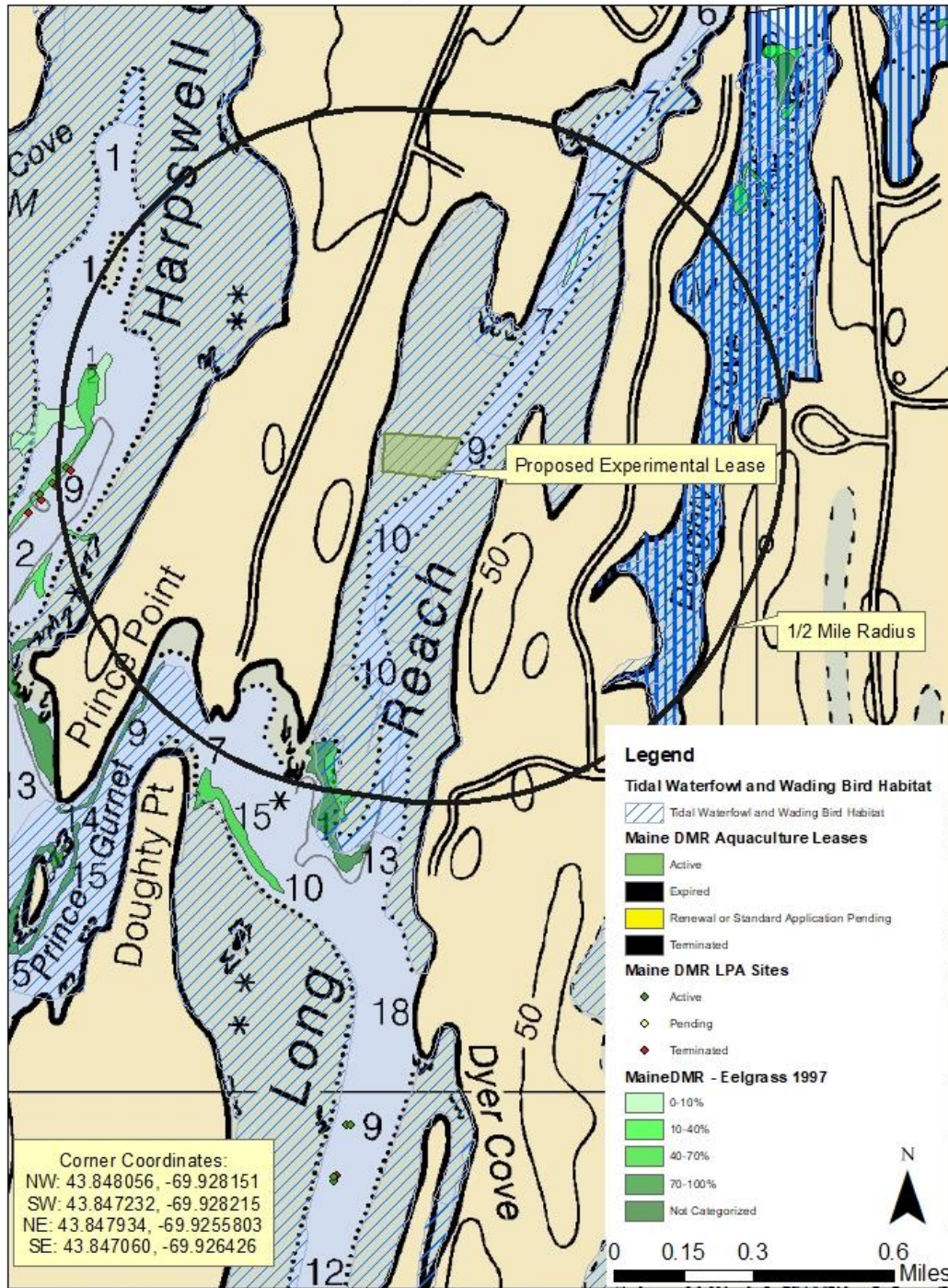
### **How long does the leasing process take?**

It depends on a variety of factors including the number of applications currently in process, any feedback DMR receives on the proposal from members of the public or other stakeholder groups, whether your proposal will need to have a hearing, and the complexity of issues raised at a public hearing should one be held. These types of factors make it difficult to determine when a final decision on your proposal may be rendered.

### **When will my lease be granted?**

Please note that applying for a lease is not a guarantee that your proposal will be granted. DMR will process your application and render a final decision on the proposal based on applicable evidence as it relates to the lease decision criteria. DMR will send you a copy of the draft proposed decision, which will either grant, or deny the proposal. DMR may also grant the proposal with modifications. The leasing process is designed to serve multiple stakeholder groups, who all utilize Maine’s coastal waters for a variety of different purposes and is intended to provide all stakeholder groups with the opportunity to provide feedback on your proposal. If you have questions about applying for a lease, please contact DMR at [DMRaquaculture@maine.gov](mailto:DMRaquaculture@maine.gov) or 624-6567.

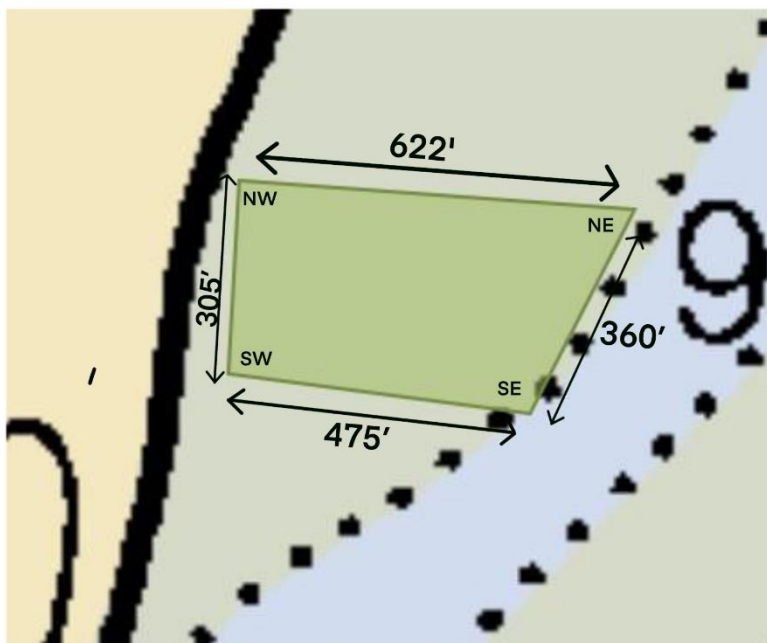
## Chris Green Experimental Vicinity Map



Maine Coast Marine Maps  
 Map Author: Alicia Gaiero  
 September 22, 2021

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere  
 Projection: Mercator Auxiliary Sphere  
 Datum: WGS 1984

# Chris Green Experimental Lease Boundary Drawing



## Corner Coordinates:

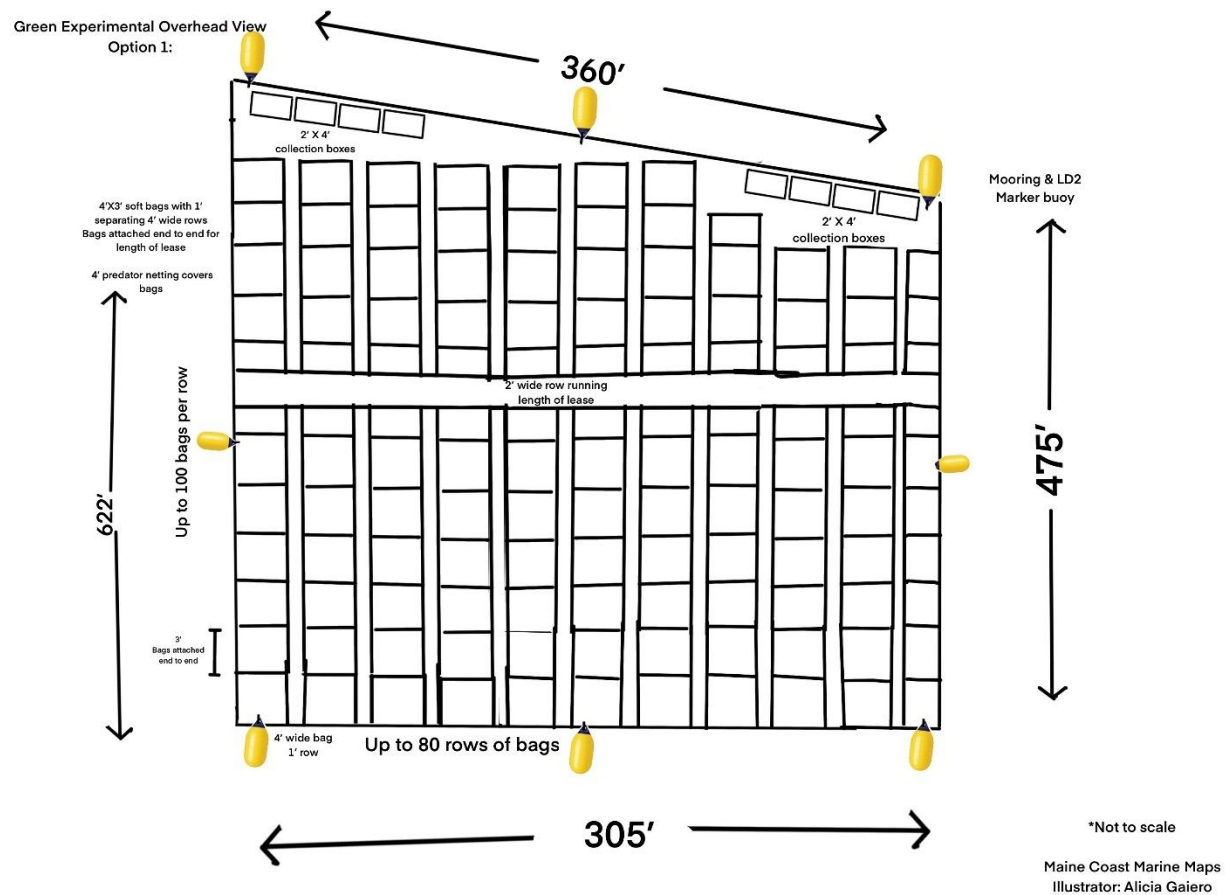
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SW: 43.847232, -69.928215

NE: 43.847934, -69.9255803

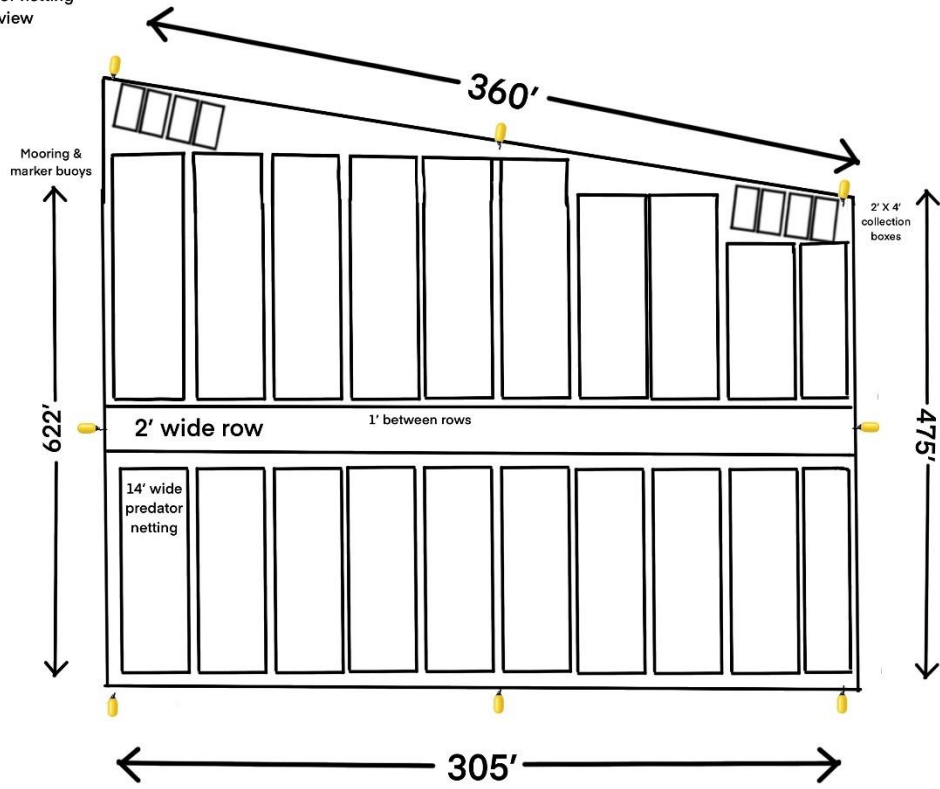
SE: 43.847060, -69.926426

Maine Coast Marine Maps  
Illustrator: Alicia Gaiero



MHW: +/- 10'  
MLW: +/- 1

Chris Green  
14' wide predator netting  
overhead view

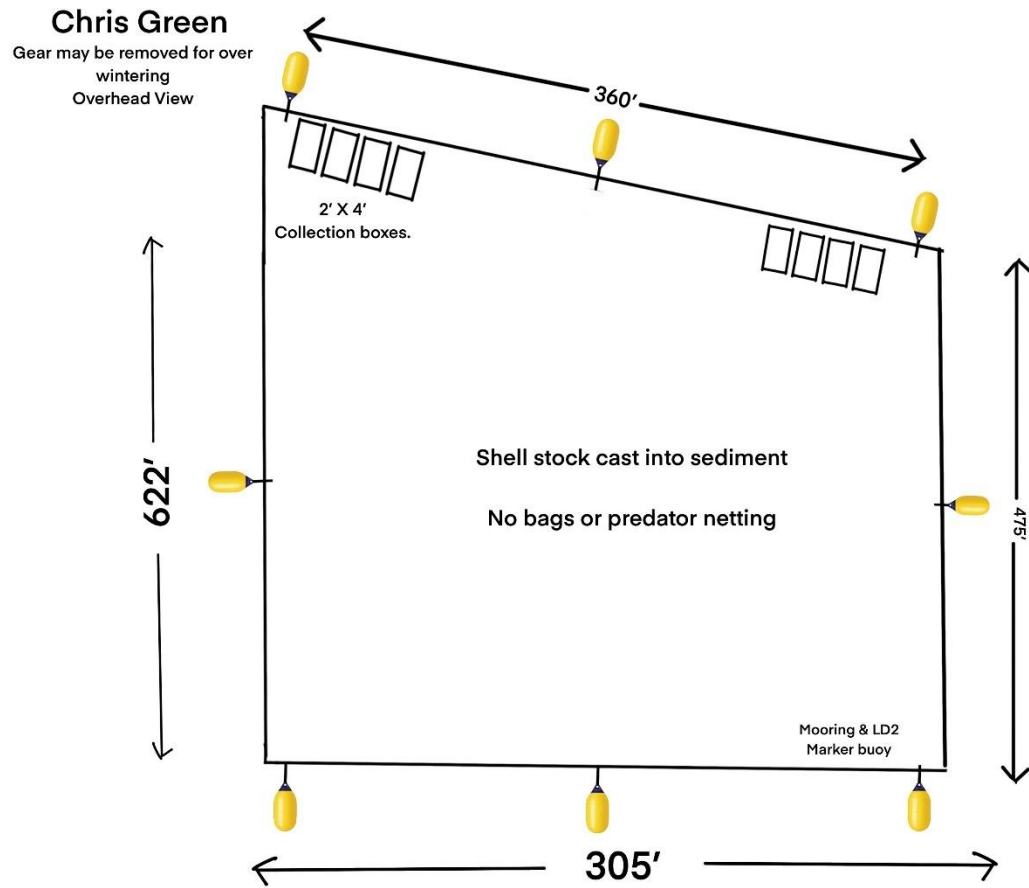


\*Not to scale

Maine Coast Marine Maps  
Illustrator: Alicia Gaiero

MHW: +/- 10'  
MLW: +/- 1





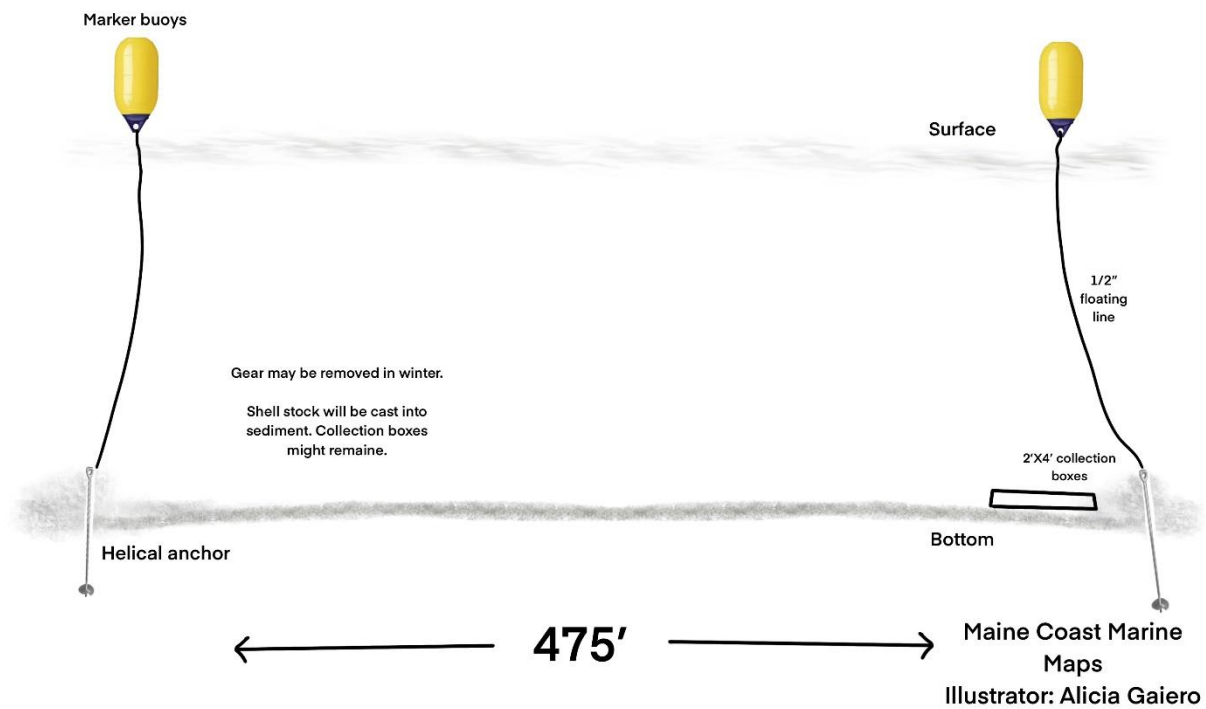
\*Not to scale

Maine Coast Marine Maps  
 Illustrator: Alicia Gaiero

MHW: +/- 10'  
 MLW: +/- 1

# Cross-Section View

\*Not to scale

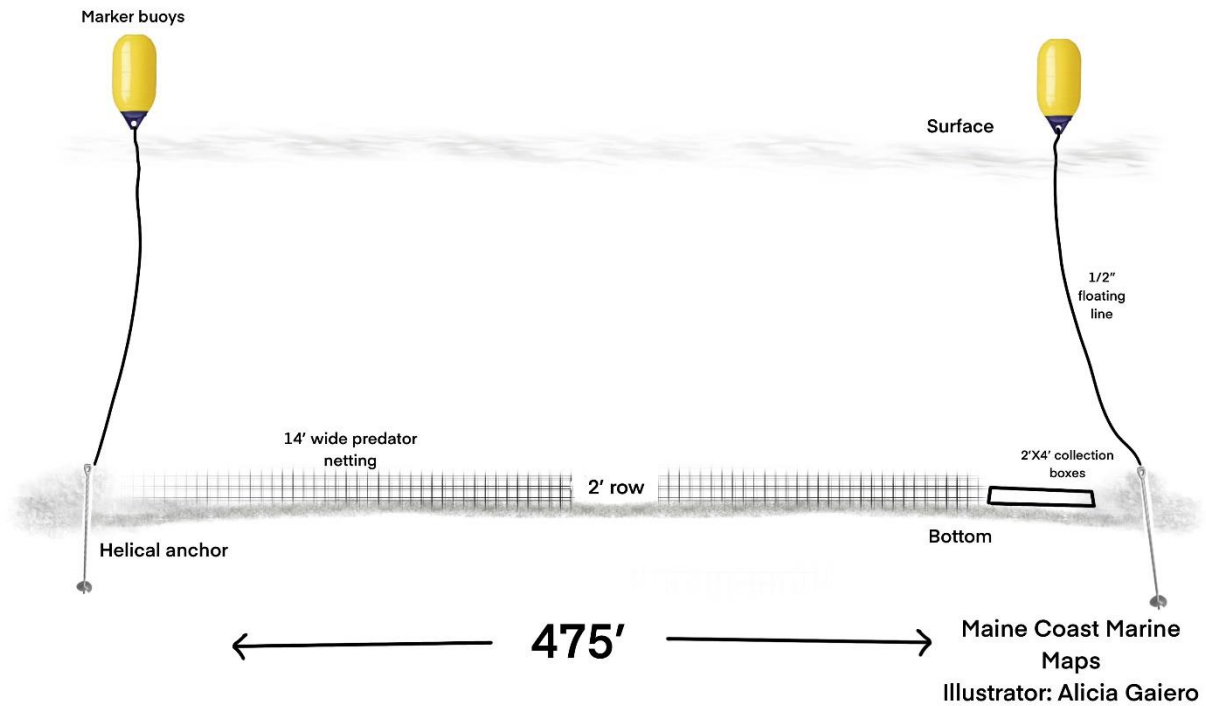


MHW: +/- 10'  
MLW: +/- 1



# Cross-Section View

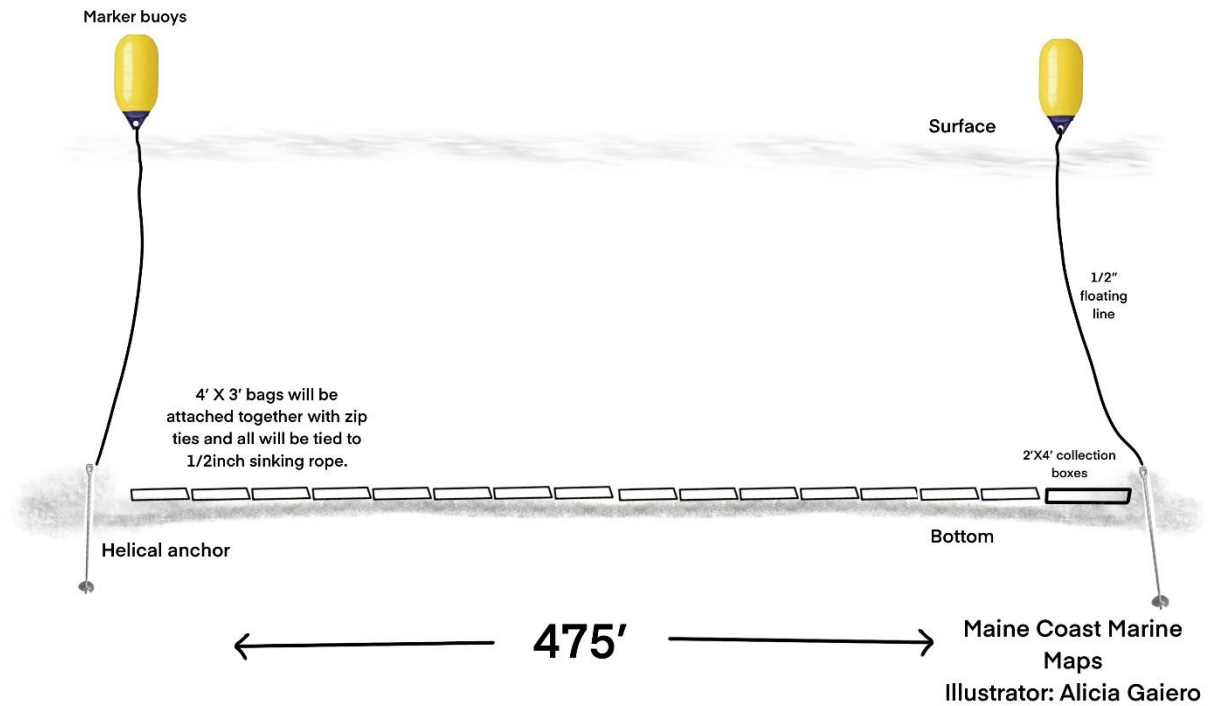
\*Not to scale



MHW: +/- 10'  
MLW: +/- 1

# Cross-Section View

\*Not to scale



MHW: +/- 10'  
MLW: +/- 1

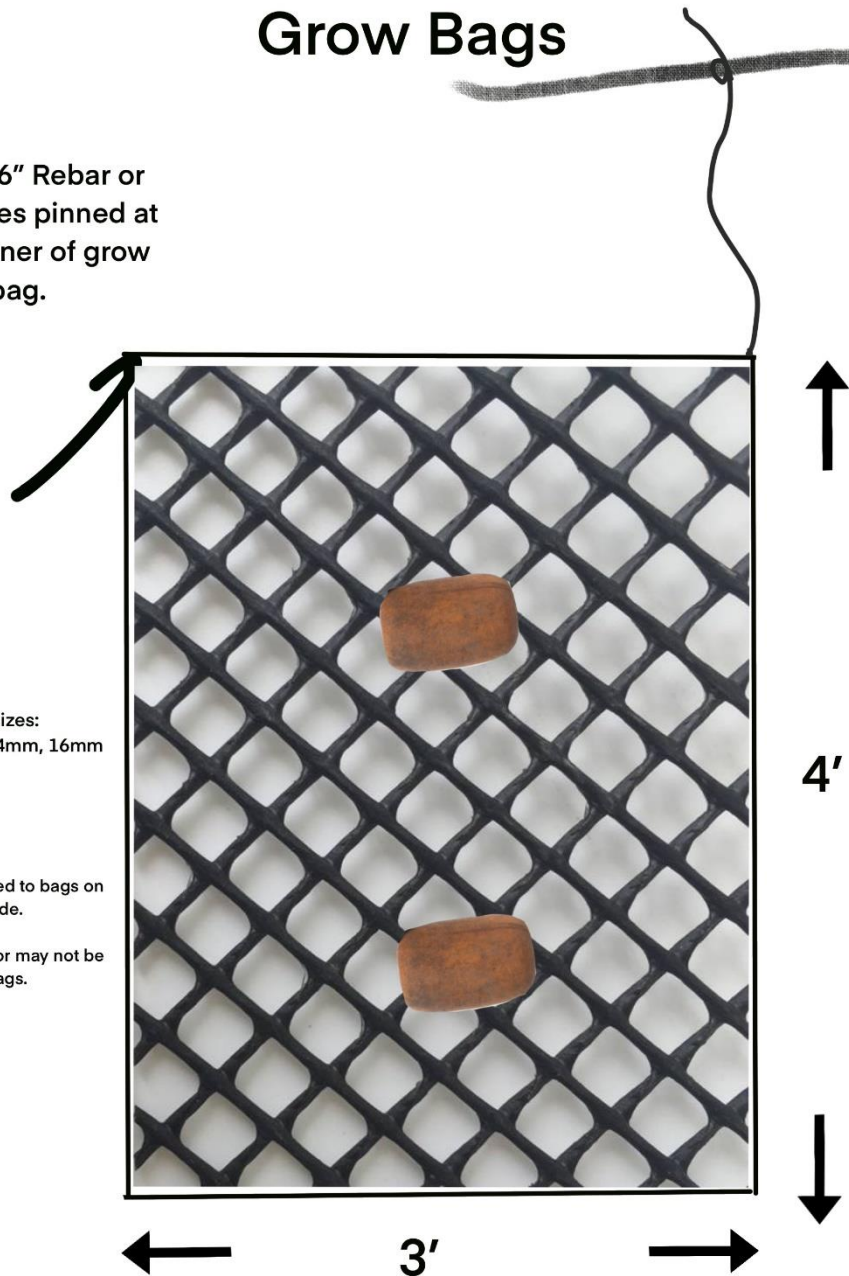
# Soft Nylon Grow Bags

1/2" X 16" Rebar or  
PVC stakes pinned at  
each corner of grow  
bag.

Mesh sizes:  
4mm, 6mm, 14mm, 16mm

Cork buoys zip tied to bags on  
the inside.

Cork buoys may or may not be  
on all bags.

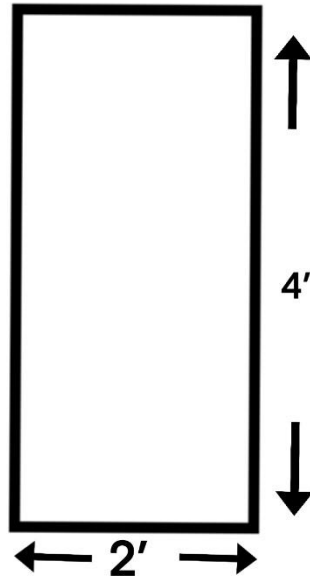


\*Not to scale  
Maine Coast Marine Maps  
Illustrator: Alicia Gaiero

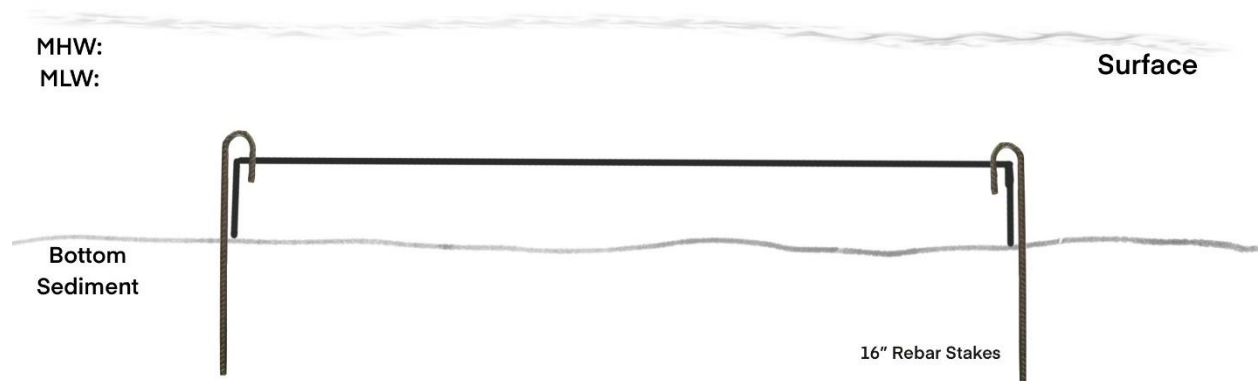
# PVC Framed Collection Boxes

## Overhead View

2mm  
screen top  
and  
bottom



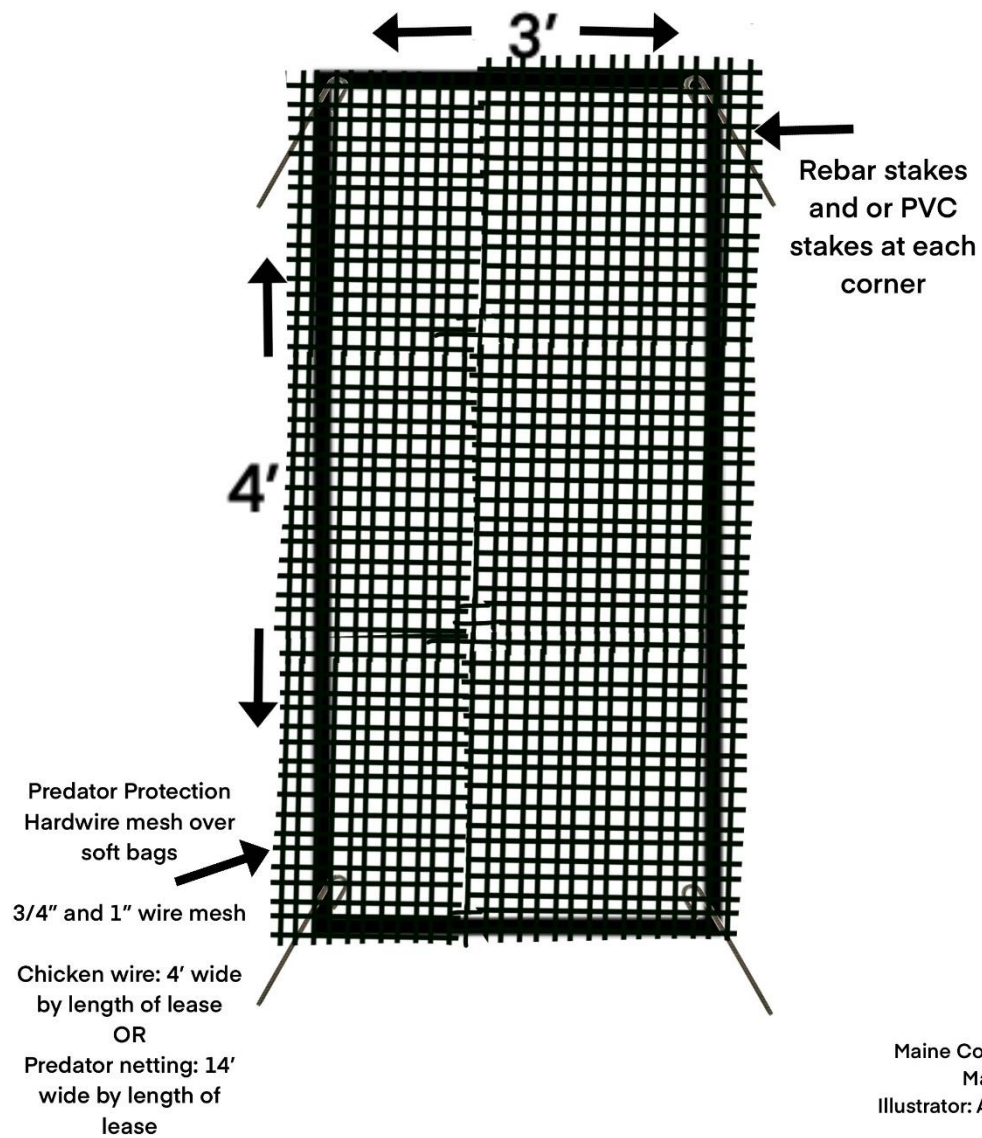
## Cross Section View



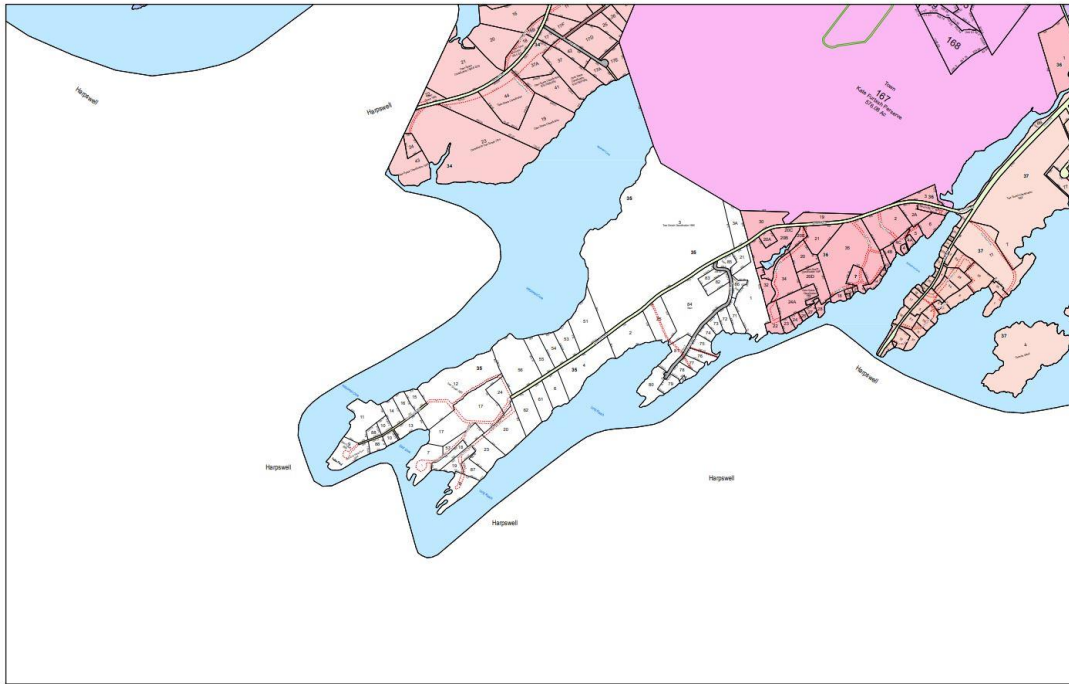
\*Not to scale  
Maine Coast Maine Maps  
Illustrator: Alicia Gaiero

\*Not to scale

## Predator Protection over Soft Bags



Maine Coast Marine  
Maps  
Illustrator: Alicia Gaiero



Town of  
BRUNSWICK  
Maine



**Legend**

- Parcels Lines
  - Town Boundary
  - - - Other Lot Boundary
  - Other Road
  - - - ROW Property Access
- Parcels - Roads and Water**
- Public Road
  - Private Road
  - Right of Way
  - Water



Revised To: April 1, 2020  
1 inch = 1,217 feet

**SHEET  
35**

Maps Prepared by: The Town of Brunswick



Revised and Reprinted By:

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