

STANDARD LEASE APPLICATION: NON-DISCHARGE

1. APPLICANT CONTACT INFORMATION

Applicant	Quahog Bay Conservancy		
Contact Person	David Hunter		
Address	286 Bethel Point Rd		
City	Harpswell		
State, Zip	Maine 04079		
County	Cumberland		
Telephone	Office: (207) 522-1105 Cell: (207) 838-2578		
Email	dave@sserv.org		
Type of Application	<input checked="" type="checkbox"/> Draft Application <small>[submitted before scoping session session]</small>		<input type="checkbox"/> Final Application <small>[submitted after scoping session]</small>
Dates	Pre-Application Meeting: 06/27/22	Draft Application Submitted:	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	Harpswell
Waterbody	Quahog Bay
General Description (e.g. south of B Island)	East of Snow Island
Lease Information	
Total acreage requested (100-acre maximum)	1.36 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):	WK
Growing Area Section (e.g. "A1"):	Inset 'B'

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 (include both common and scientific names):	Name and address of the source of seed stock or juveniles	Maximum number (or biomass) of organisms you anticipate on the site at any given time
1. Eastern/American Oyster (<i>Crassostrea virginica</i>)	Muscongus Bay Aquaculture 24 Seal Ledge Lane Bremen, Maine 04551	360,000 oysters
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 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 - Please see Appendix A

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, shore lands, 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 - Please see Appendix A

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:

- 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. SITE DEVELOPMENT - Please see Appendix B

Directions: If your operations require the use of cages, nets, 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.
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. soft mesh bag)	Dimensions (e.g. 16"x20"x2")	Time of year gear will be deployed (e.g. Spring, Winter, etc.)	Maximum amount of this gear type that will be deployed on the site (i.e. 200 cages, 100 lantern nets, etc.)	Species that will be grown using this gear type
OysterGro Cage	54" x 36" x 24"	Year round	240 cages	American oysters
ADPI Bags (inside cages)	34" x 18" x 3.5"	Year round	1440 ADPI bags inside cages	American oysters
Buoys (corner markers)		Year round		

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.

2. 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).

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.

One 20’W x 30’L work float with a 12’W x 16’L x 9’H sorting shed will remain on site in the currently ACOE permitted location, at 43.816608 N / -69.907904 W. Work float is moored with two 1,000 lb. mooring blocks using 5/8” chain.
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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.
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A small generator and the gasoline to power it will be stored inside the weather-tight sorting shed on the work float. The generator is secured when not in use, and the gasoline is stored in a single 5-gallon fuel can with an anti-spill nozzle. Refueling of the generator is done on the work float with oil absorbing pads on hand in case of any spills. This storage and use arrangement has been in operation for several years, with no spills or mishaps on site.

D. Gear Color

Provide the color of the gear and structures proposed to be used at the lease site.
OysterGro cages are black wire and black pontoon floats. Work float is unpainted pressure-treated lumber, and sorting shed is natural wood stained siding, with a green metal roof.

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.

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. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.

Seeding will occur in June/July, as seed becomes available from the hatchery. Seeding will occur in one to two days, at which time seed will be completely distributed in mesh bags inside OysterGro cages.

B. Please explain your proposed tending/maintenance activities.

Regular maintenance and husbandry activities will occur from April through December. Cages will be raised from the over-wintering on bottom in April, using the 28' Carolina Skiff or the 38' Landing Craft. OysterGro cages will be flipped for defouling, and oysters will be sorted, tumbled, and harvested during growing season. OysterGro cages will be sunk to bottom for over-wintering in December.

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

OysterGro cages will be flipped for defouling on a bi-weekly basis, and oysters will be sorted, tumbled, and harvested as needed on a weekly basis, with onsite activity occurring as often as several days of the week throughout the growing season. No activity is planned on weekends, and regular activity on other days will be limited to the hours between 7am – 5pm.

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

Harvest will occur by hand, from a 28' Carolina Skiff or a 38' Landing Craft.

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

Harvesting will occur 1-2 days per week, as needed, between April and December.

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.

OysterGro cages will be floating as long as there is no ice present on the site. When ice appears to be imminent, then OysterGro cages will be sunk to bottom for over-wintering.

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

N/A

- 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 presence of birds of prey in the area (eagles, hawks, osprey) tends to keep roosting birds away from the site. There is a “bird kite” (see pic) available to use if any roosting birds begin to appear at the site.



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?

One 28’ Carolina Skiff and one 38’ Landing Craft. Each vessel will be on site as needed for raising cages, husbandry and maintenance, and sinking cages. Time on site will vary with the time of year and activity level.

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?

An electric tumbler/sorter powered by a Honda 2000 EU generator will be used on the work float as needed, typically 1 week during the growing season between April and December.

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

The boats in use are not particularly loud compared to other boats in use in the area by recreational and commercial users. The Honda 2000 EU generator is rated at 48 to 57 decibels, which is considered “quieter than a normal conversation level”.

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.

There are no lights at the lease site.

E. Indicate under what circumstances you might work at your site beyond daylight hours.

There are no expected situations when work on the site would occur beyond daylight hours.

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.
The proposed standard lease area covers approximately half of the current Experimental Lease QHB SIx.

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.
The existing lease QHB SIx will be relinquished upon approval of this proposed lease.

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?
~ 10 ft at MLW. The western boundary of the proposed lease was shifted away from the current boundary of QHB SIx at the edges of Snow Island by several feet, in order to keep the entire site in deeper water, clearly away from any potential intertidal and/or shallow area at the edges of Snow Island.

B. What are the approximate depths at mean high water?
~ 18 ft at MHW. The western boundary of the proposed lease was shifted away from the current boundary of QHB SIx at the edges of Snow Island by several feet, in order to keep the entire site in deeper water, clearly away from any potential intertidal and/or shallow area at the edges of Snow Island.

C. Provide the approximate current speed and direction during the ebb and flow.
Current flows past the site in a north/south direction (ebbing to the south, flooding to the north) at ~ 1-2 knots.

<p>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.</p>
<p>1. What are the bottom characteristics (mud, sand, gravel, rock, ledge or some mix, etc.)?</p>
<p>Hard mud with some gravel at the western edge of the site, shifting to softer mud at the eastern edge of the site.</p>
<p>2. Describe the bottom topography (flat, steep rough, etc.).</p>
<p>Generally flat bottom, sloping slightly away from Snow Island.</p>
<p>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?</p>
<p>Marine life is generally rare within the boundaries of the proposed site. Occasionally see European oysters, blue mussels, bay quahogs, and green crabs in extremely low abundance.</p>
<p>4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.</p>
<p>None within the lease site. There are commercially harvested shellfish beds in greater Quahog Bay, more than a mile from the lease site.</p>
<p>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.</p>
<p>There is no eelgrass in the area. Historical mapping does not indicate any past presence, and none has been observed at the active QHB SIX site since it was granted for operation in 2019.</p>

6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)
The shoreline at the western edge of the proposed site is rocky ledge on a lightly forested island. The island is a summer residence for the family of the owner/president of QBC.

E. Is your proposed lease located within a Maine Department of Inland Fisheries and Wildlife designated Essential Habitat?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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
Some seasonal subtidal harvest of European oysters in the surrounding areas of Quahog Bay. Some lobstering activity in the general area. Both of these activities have continued unimpeded for the last three years under the operations of the QHB SIx lease, and the proposed lease will actually be reduced to about half the size of QHB SIx.
2. Recreational Fishing
Some seasonal recreational fishing in other areas of Quahog Bay.

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

Quahog Bay is a popular seasonal overnight anchorage for recreational boaters – all anchorages have been well outside of the proposed lease area, to the east and southeast of Snow Island. The proposed lease site is adjacent to a navigation channel between the islands; the existing QHB SIX lease that currently occupies more area has not interfered with the use of the channel to date.

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 two moorings in the general vicinity of the proposed lease – one mooring ~ 100’ east of the area, and one mooring ~360’ east of the area; the existing QHB SIX lease that currently occupies more area has not interfered with the use of the moorings to date.

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

Kayakers are common in Quahog Bay. There have often been curious kayakers who come over to visit the current farm, and we welcome them to paddle through the farm to learn about it.

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 are two private docks on Snow Island, both are owned by Patrick Scanlan (President of Quahog Bay Conservancy)

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.

No

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

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

No

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.

QBC welcomes all commercial and recreational activities in and around the proposed lease site, including allowing divers to collect European oysters within the lease boundaries. Our only request is that no activities damage gear or directly interfere with farm operations.

14. RIPARIAN LANDOWNERS AND SITE ACCESS - Please see Appendix C

A. If your lease is within 1,000ft of shorefront land (**which extends to mean low water or 1,650 ft. from shore, whichever is less, according to NOAA charts**), the following supporting documents are required:

1. A labeled copy of a tax map(s) depicting the location of the proposed lease site and including the following elements:
 - Label the map “Tax Map: Town of (name of town).”
 - Legible scale
 - Tax lot numbers clearly displayed
 - The boundaries of the proposed lease
2. Please use the Riparian Landowner List (included on the next page) to list the name and address of every shorefront landowner within 1,000ft of the proposed lease site. Have the tax collector or clerk of the municipality certify the list. Refer to the riparian determination guidance document to ensure all riparian landowners are included:
<https://www.maine.gov/dmr/aquaculture/forms/documents/RiparianDetermination.pdf>

Note: When the application and riparian list are both ready to be submitted, you may choose to email a copy of the riparian list and proposed lease coordinates to DMRAquaculture@maine.gov for staff to verify that all required parcels are included on the list *before* having it certified by the municipality. DMR will not verify a riparian list multiple times, so please ensure there will be no additional changes to the application before emailing the riparian list for verification.

3. If any portion of the site is intertidal, you need to complete the steps outlined in 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?

QBC operates at a property with boats/docks and access at 286 Bethel Point, Harpswell.

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

We do not foresee any impact.

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: _____

MAP #	LOT #	Landowner name(s) and address(es)
		- <u>Please see Appendix C</u>

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. TECHNICAL CAPABILITY - Please see Appendix D

Provide information regarding professional expertise. Attaching resume or documentation of practical experience necessary to accomplish the proposed project would satisfy this requirement.
The current farm operations at QHB SIx have been in place, and operating successfully as “Snow Island Oysters” for several years. Resumes for two key personnel are included in Appendix D.

16. FINANCIAL CAPABILITY - Please see Appendix D

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.
The current operations for “Snow Island Oysters” have been successful for several years. QBC has ample revenues and expertise to continue all aspects of the program. A copy of the 2021 990 tax return for QBC is attached in Appendix D.

B. Cost Estimates

Please provide cost estimates of the proposed aquaculture activities.
Operations for staff at the aquaculture activities are included in a larger QBC budget for all environmental activities under the Conservancy mission. See details in the 2021 990 tax return attached in Appendix D.

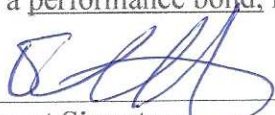
17. ESCROW ACCOUNT OR PERFORMANCE BOND

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	\$500.00
<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*) David Hunter 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.


Applicant Signature

9/08/2022
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 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.

Applicant Signature

Date

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

18. 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 standard lease process.

Printed name: David Hunter

Title (if corporate applicant): _____

Signature:  Date: 9/6/2022

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(s) (i.e. President, Treasurer, etc.) of the individual(s) signing on the company's behalf.

Additional Applicant:

Printed name: _____

Title (if corporate applicant): _____

Signature: _____ Date: _____

19. LANDOWNER/MUNCIPAL PERMISSION REQUIREMENTS (if 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. - N/A

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. - N/A

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 - N/A

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

Appendix A

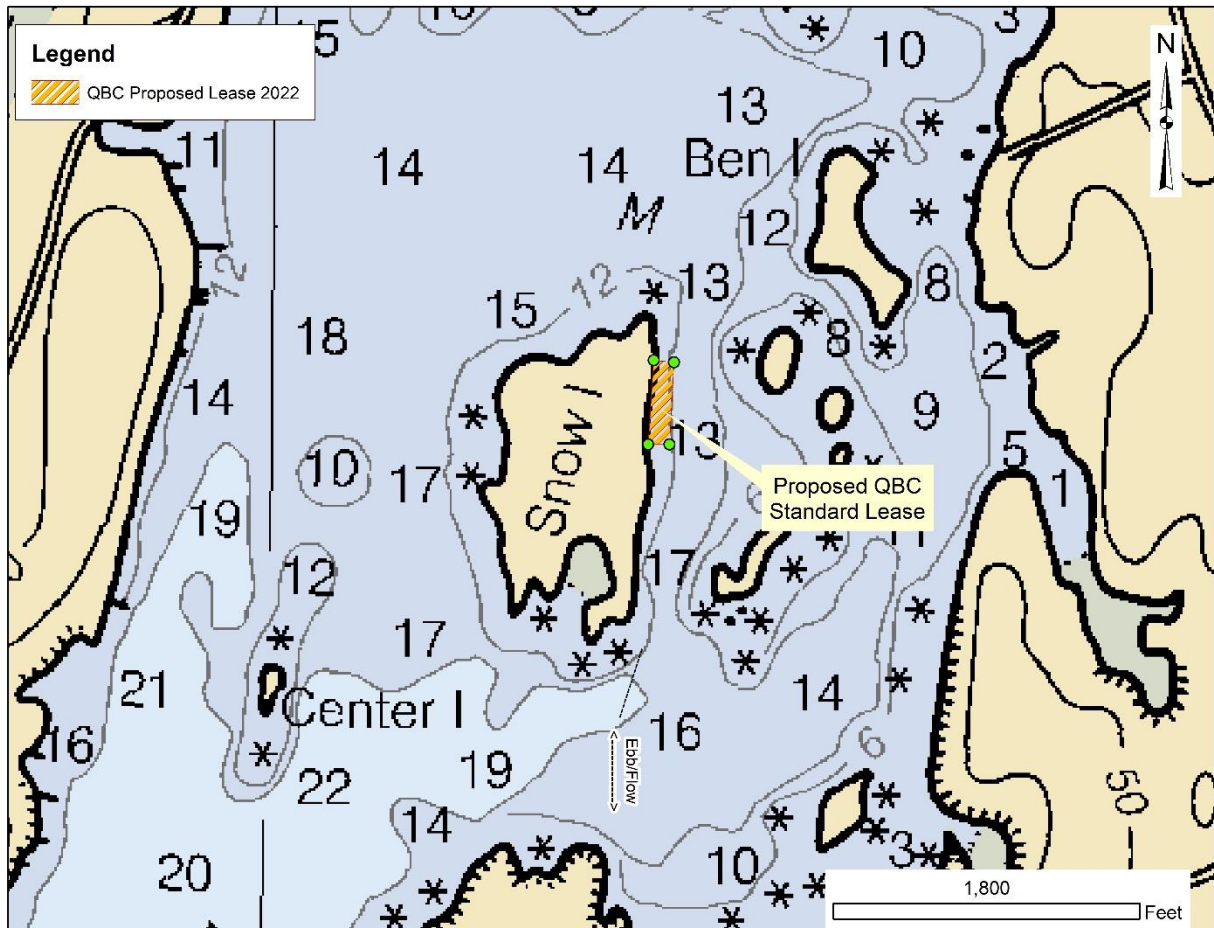
Vicinity Map - General

Boundary Drawing

Vicinity Map

QBC Proposed Lease

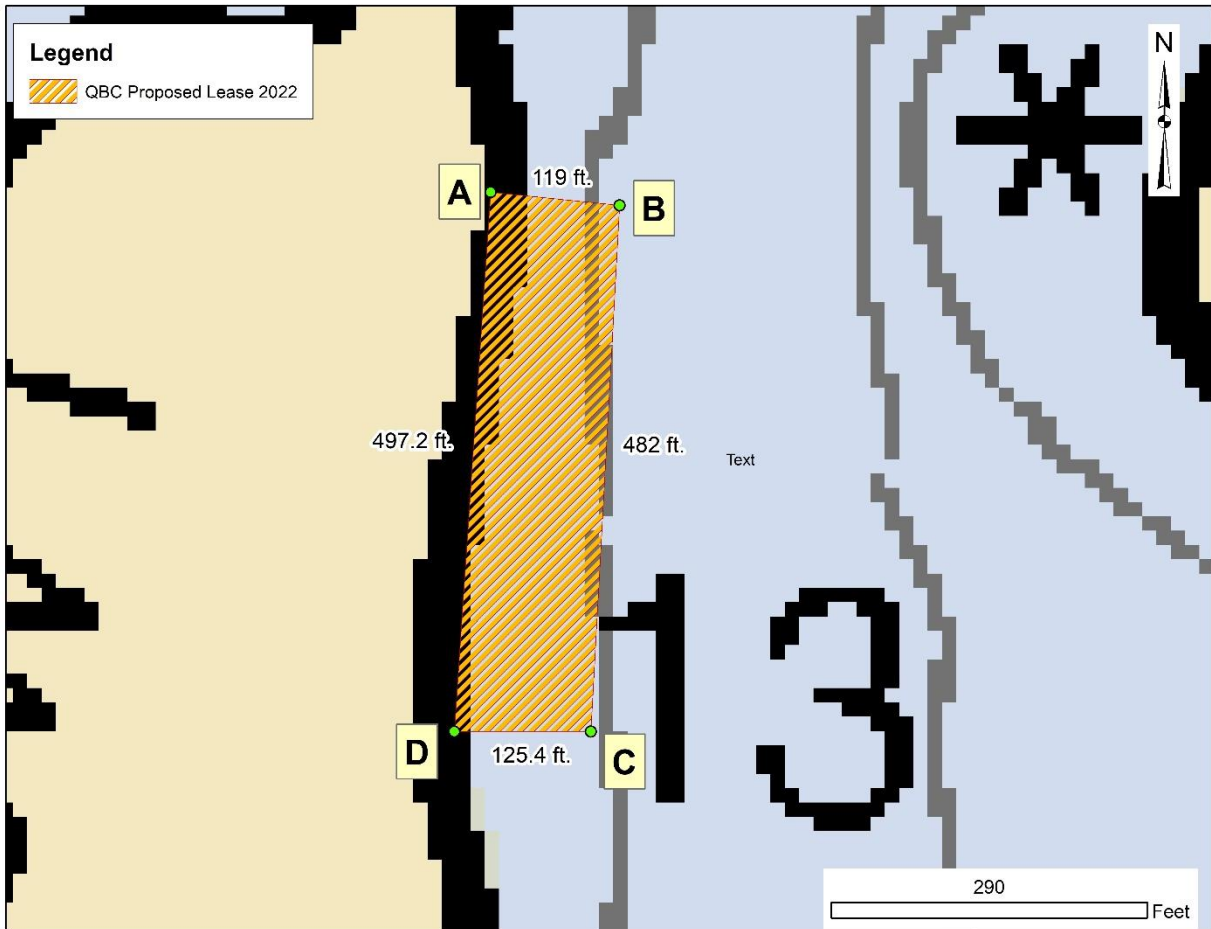
NOAA Chart 13290



Boundary Drawing

QBC Proposed Lease

NOAA Chart 13290



Coordinates

Map Datum WGS 84

A (NW Corner): 43° 49' 2.07" N / -69° 54' 29.06" W

B (NE Corner): 43° 49' 01.96" N / -69° 54' 27.44" W

C (SE Corner): 43° 48' 57.19" N / -69° 54' 27.73" W

D (SW Corner): 43° 48' 57.17" N / -69° 54' 29.44" W

A to B = easterly (95.7 degrees) for 119.0 feet

B to C = southerly (182.4 degrees) for 482.0 feet

C to D = westerly (270.3 degrees) for 125.4 feet

D to A = northerly (3.3 degrees) for 497.2 feet

Appendix B

Gear Drawing - OysterGro cages

Gear Drawing - ADPI bags

Mooring Detail Diagram - Overhead View

Full Farm - Overhead View

*Mooring Detail Diagram - Growing Season
Cross-Sectional View*

*Mooring Detail Diagram - Overwintering
Cross-Sectional View*

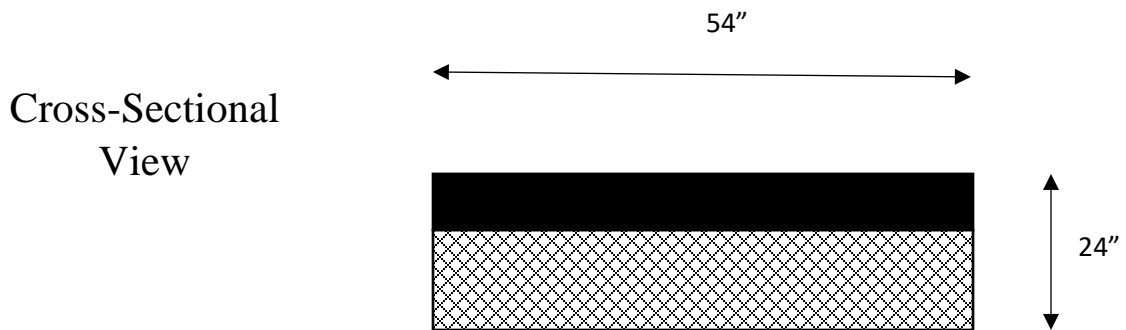
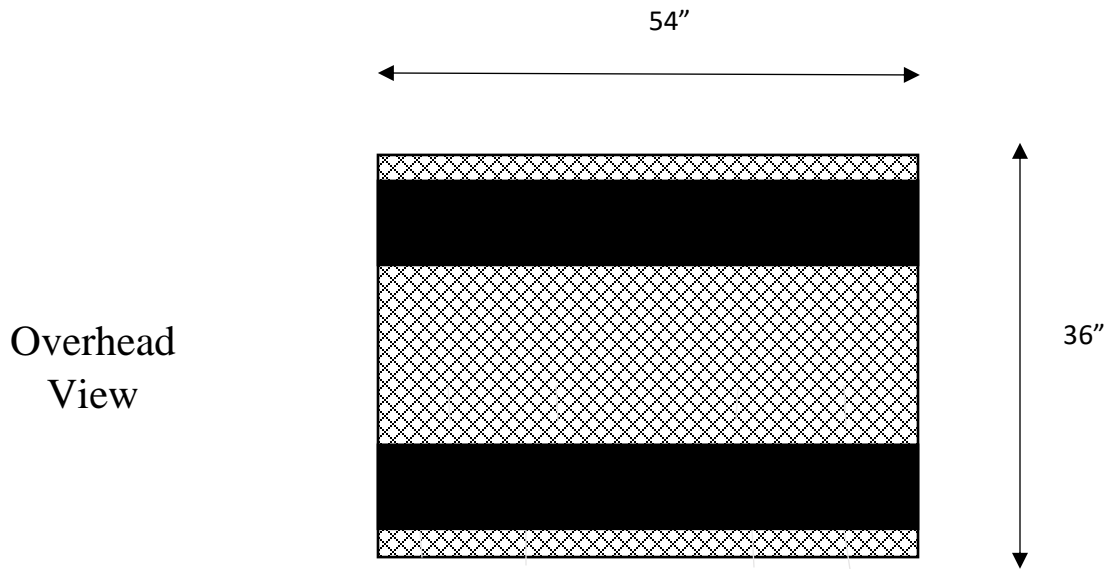
*Equipment Layout (Work Float with Sorting Shed)
Overhead View*

*Equipment Layout (Work Float with Sorting Shed)
Cross-Sectional View*

*Equipment Layout (Work Float with Sorting Shed)
Photo of current structure*

Gear Drawing – OysterGro cage

(Six ADPI bags per OysterGro cage)

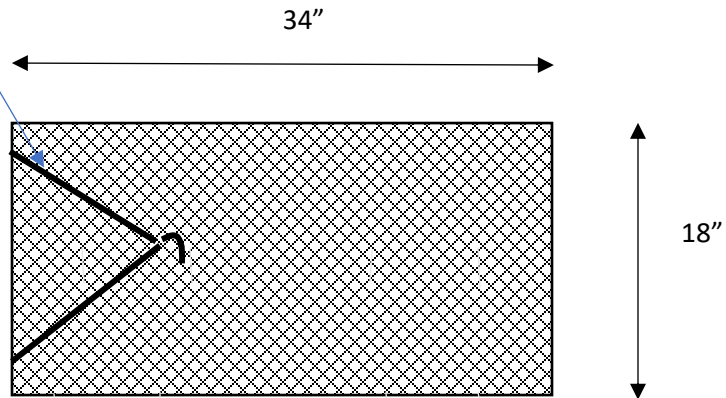


Gear Drawing – Individual ADPI bag

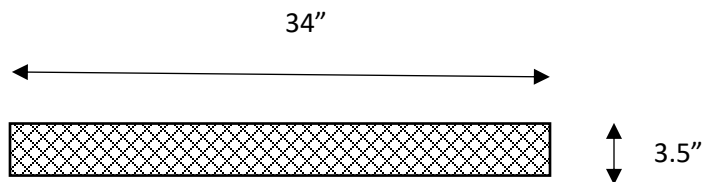
(Six ADPI bags per OysterGro cage)

30" of ¼" shock cord attached with
½" stainless steel hog rings to top
edge of bag, with a 1" stainless steel
hog ring used for closure of open end

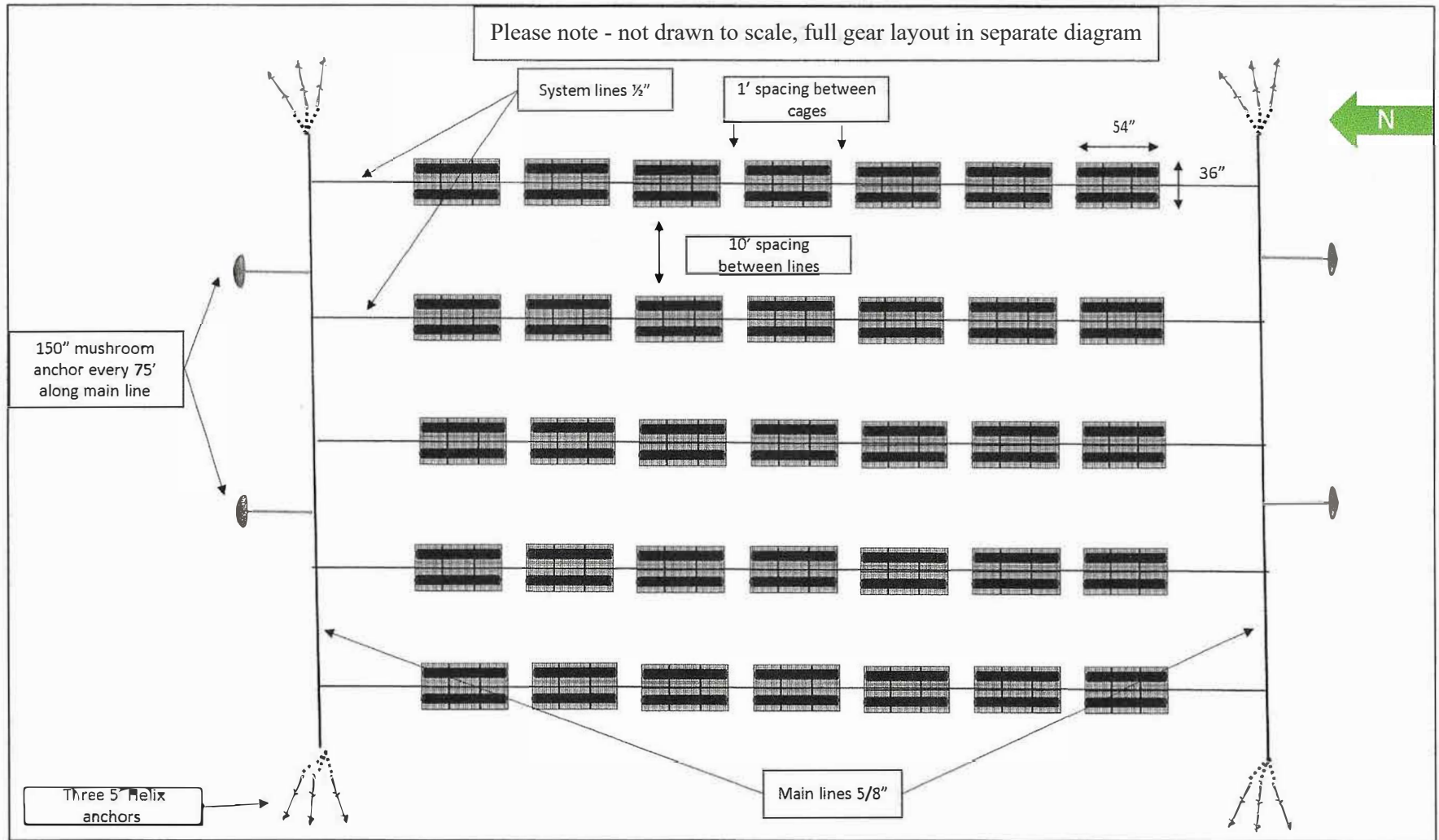
Overhead
View



Cross-Sectional
View



Mooring Detail Diagram OysterGro Cages Overhead View





Full Farm OverheadView



Legend
[Yellow rectangle] QBC Proposed Lease 2022

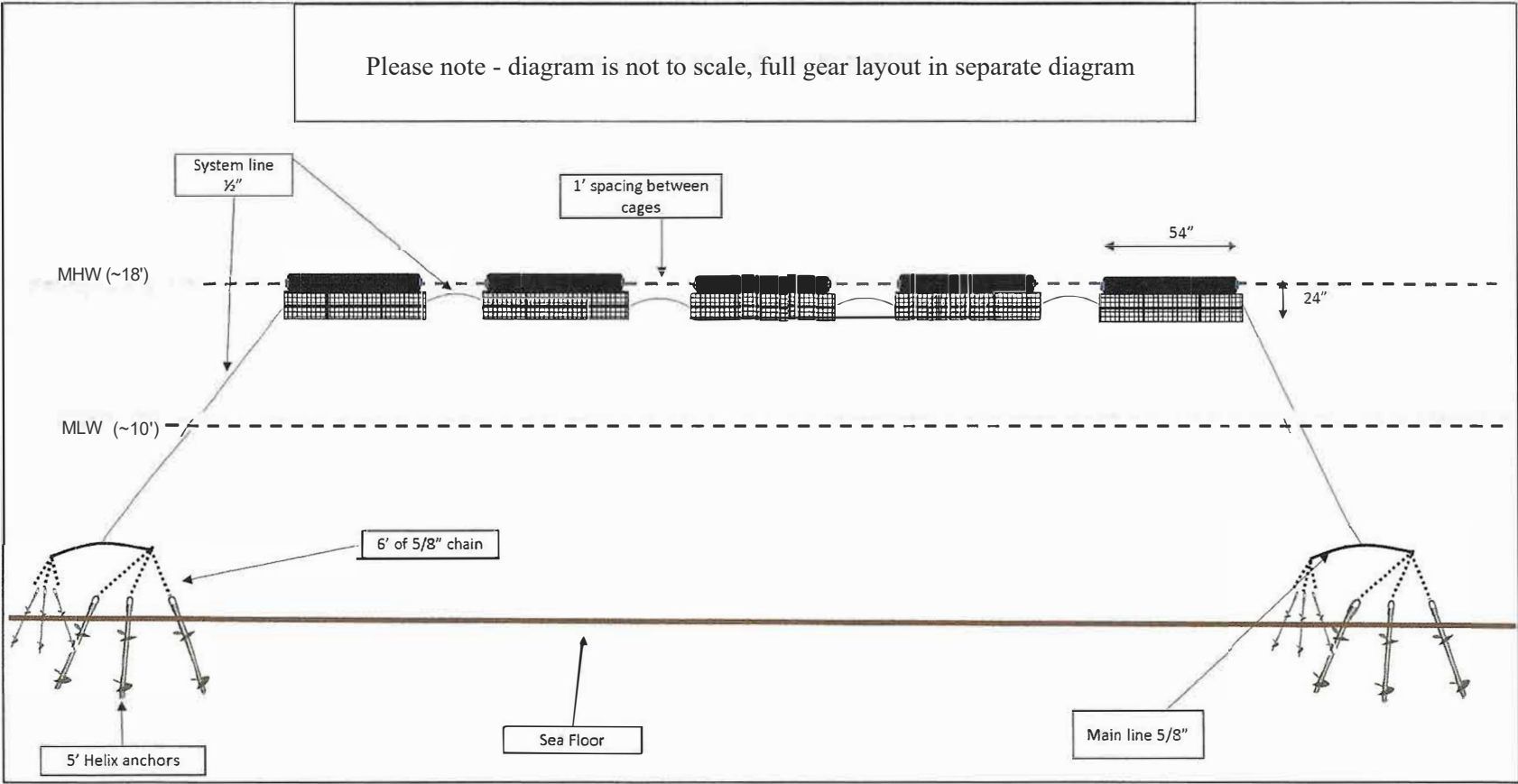
- 6 rows of maximum 20 cages per row
- 15 feet between rows
- 1 foot between cages in each row
- Each row 200' long
- Maximum 120 cages in this section

Work Float

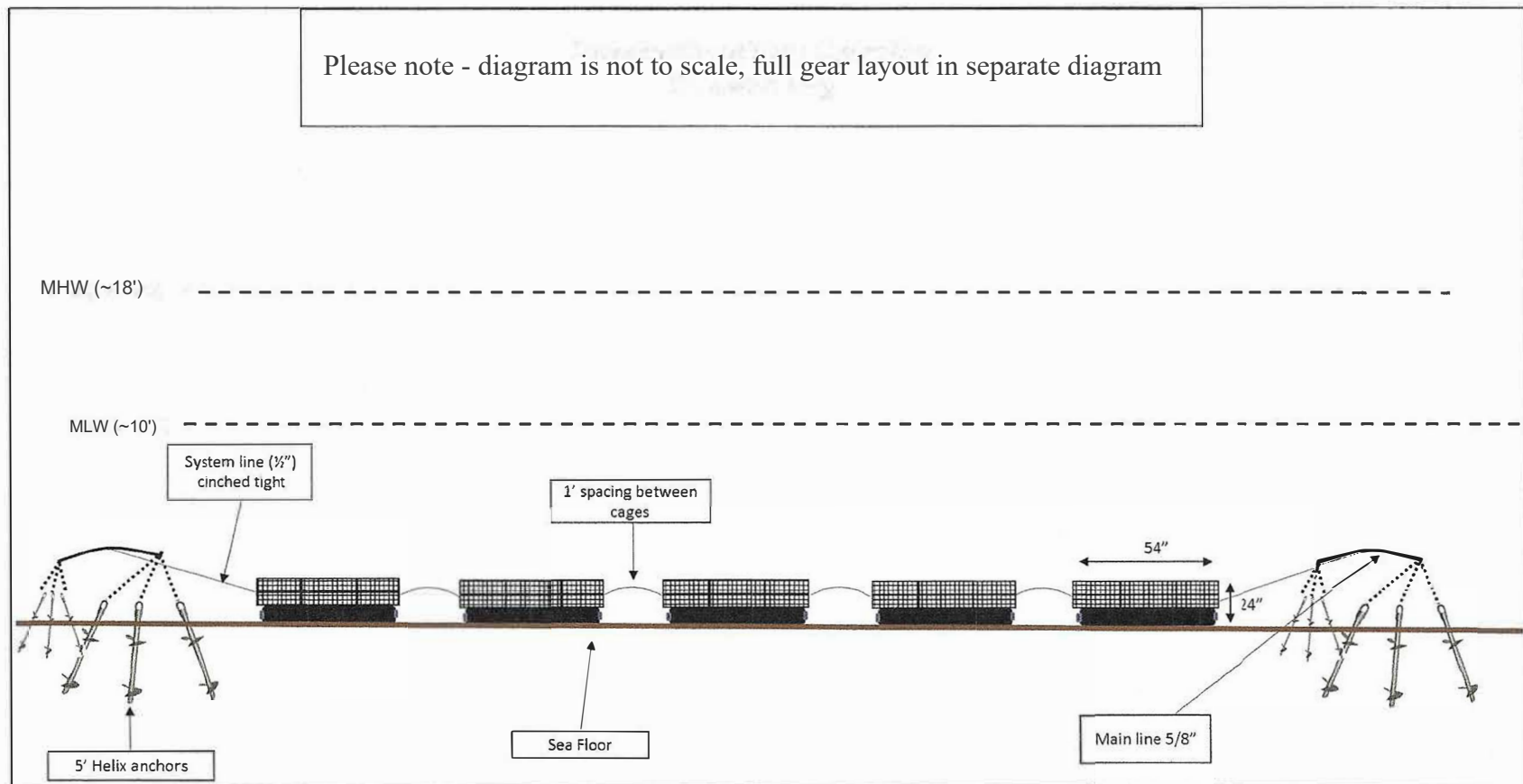
- 6 rows of maximum 20 cages per row
- 15 feet between rows
- 1 foot between cages in each row
- Each row 200' long
- Maximum 120 cages in this section

100
[Scale bar] Feet

Mooring Detail Diagram
OysterGro Cages - Growing position (April - December)
Cross-Sectional View

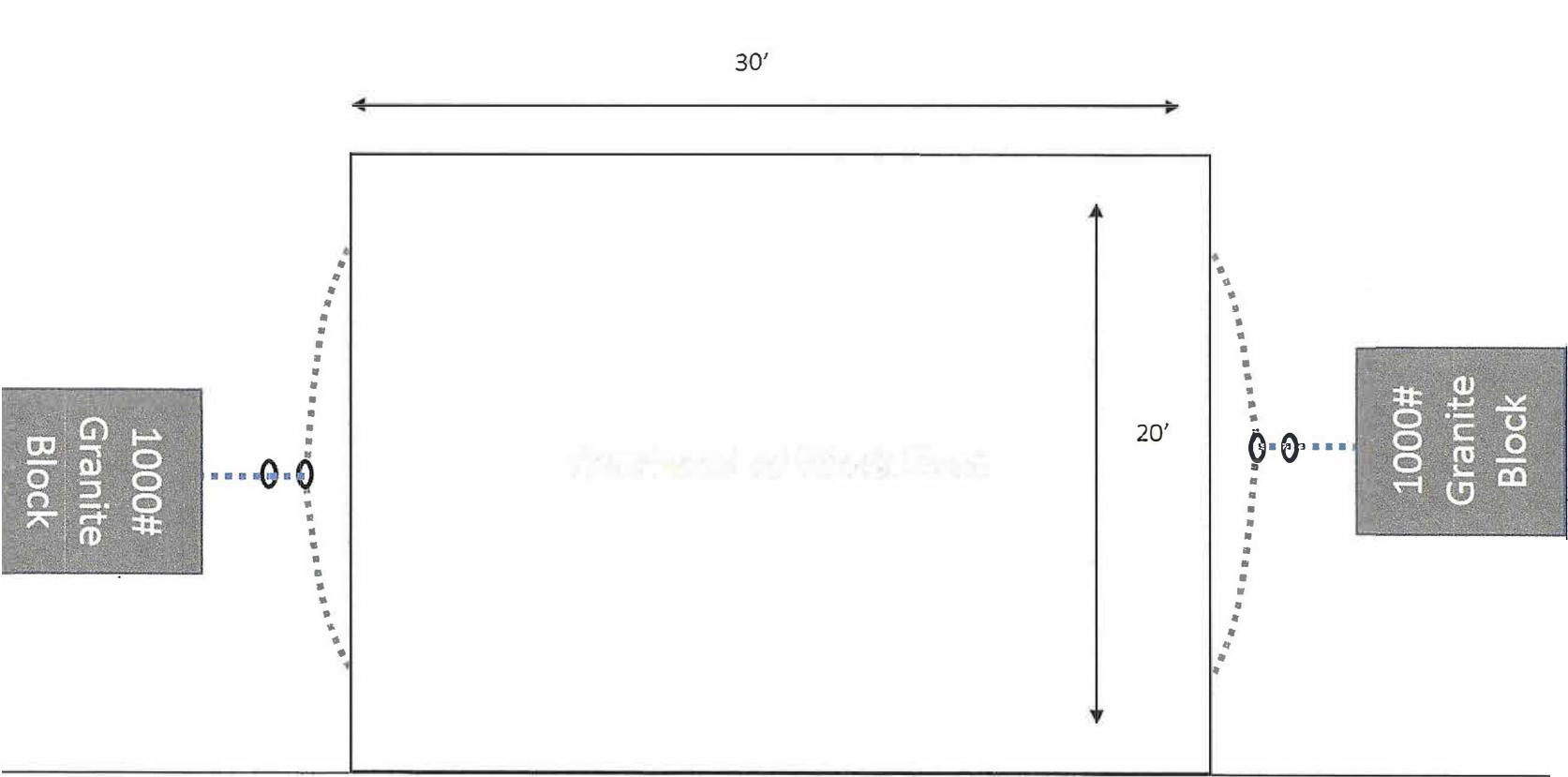


Mooring Detail Diagram
OysterGro Cages - Overwintering (December - April)
Cross-Sectional View



Work Float and Sorting Shed

Overhead View



Work Float and Sorting Shed

Cross-Sectional View

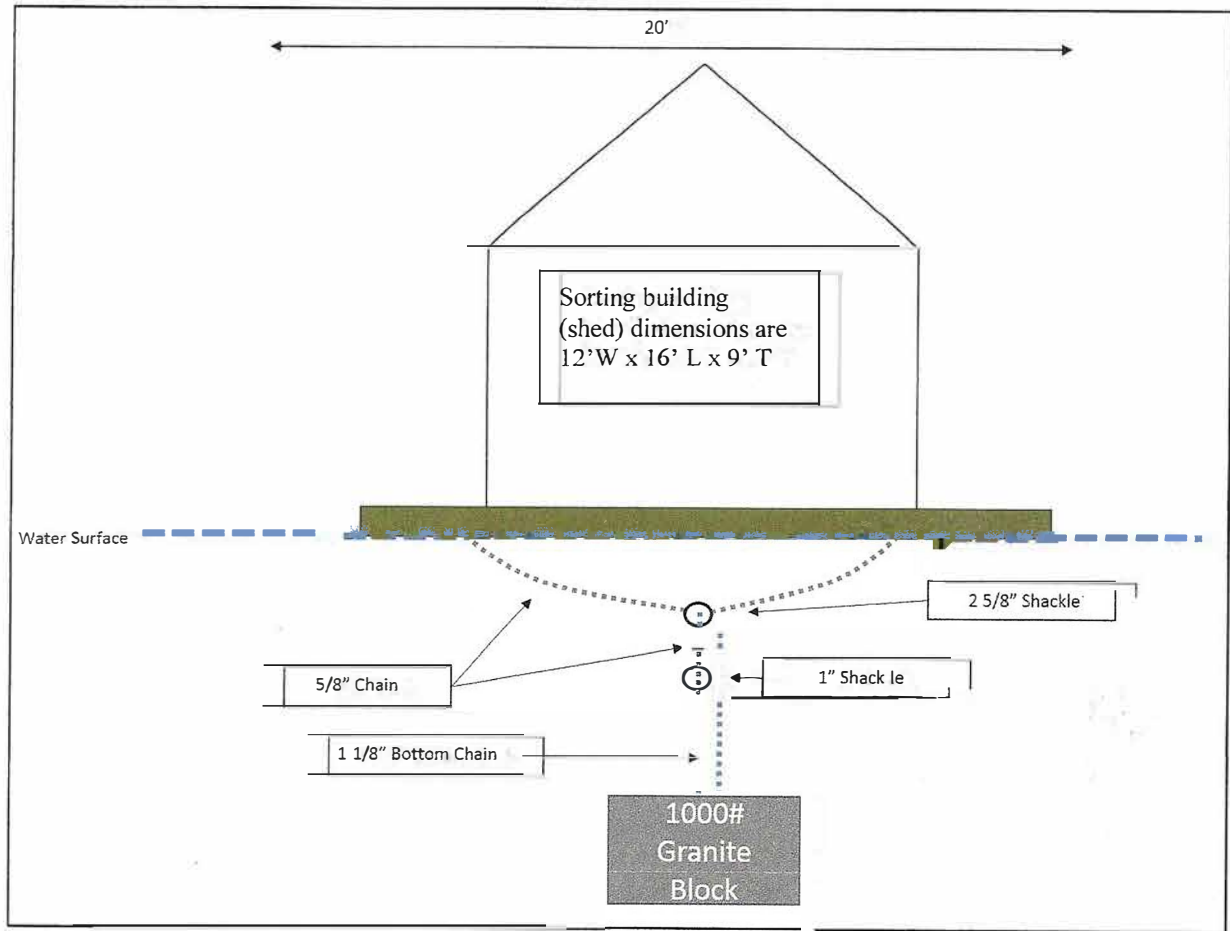
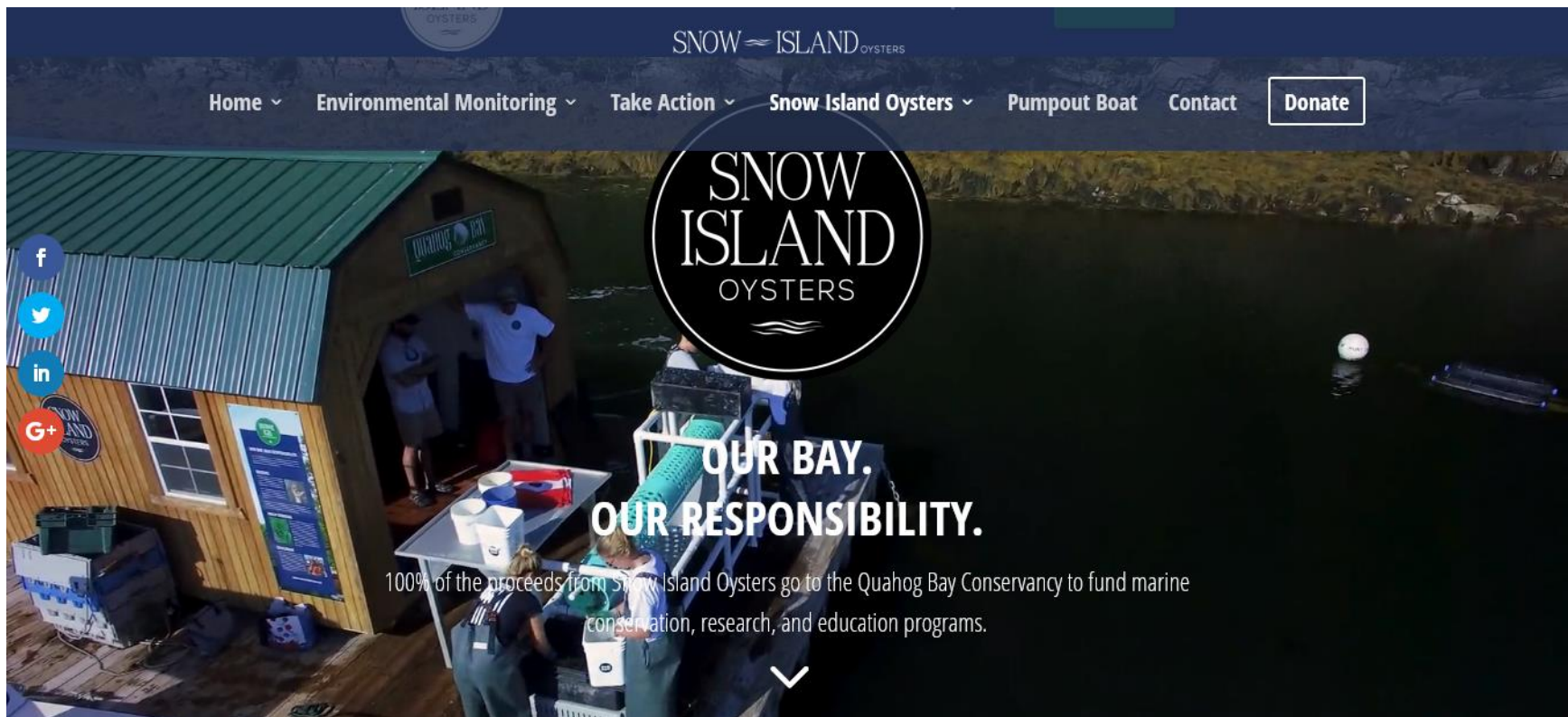


Photo of current Work Float / Sorting Shed

Additional views available at <https://quahogbay.org/snow-island-oysters/#sustainable-aquaculture>



Appendix C

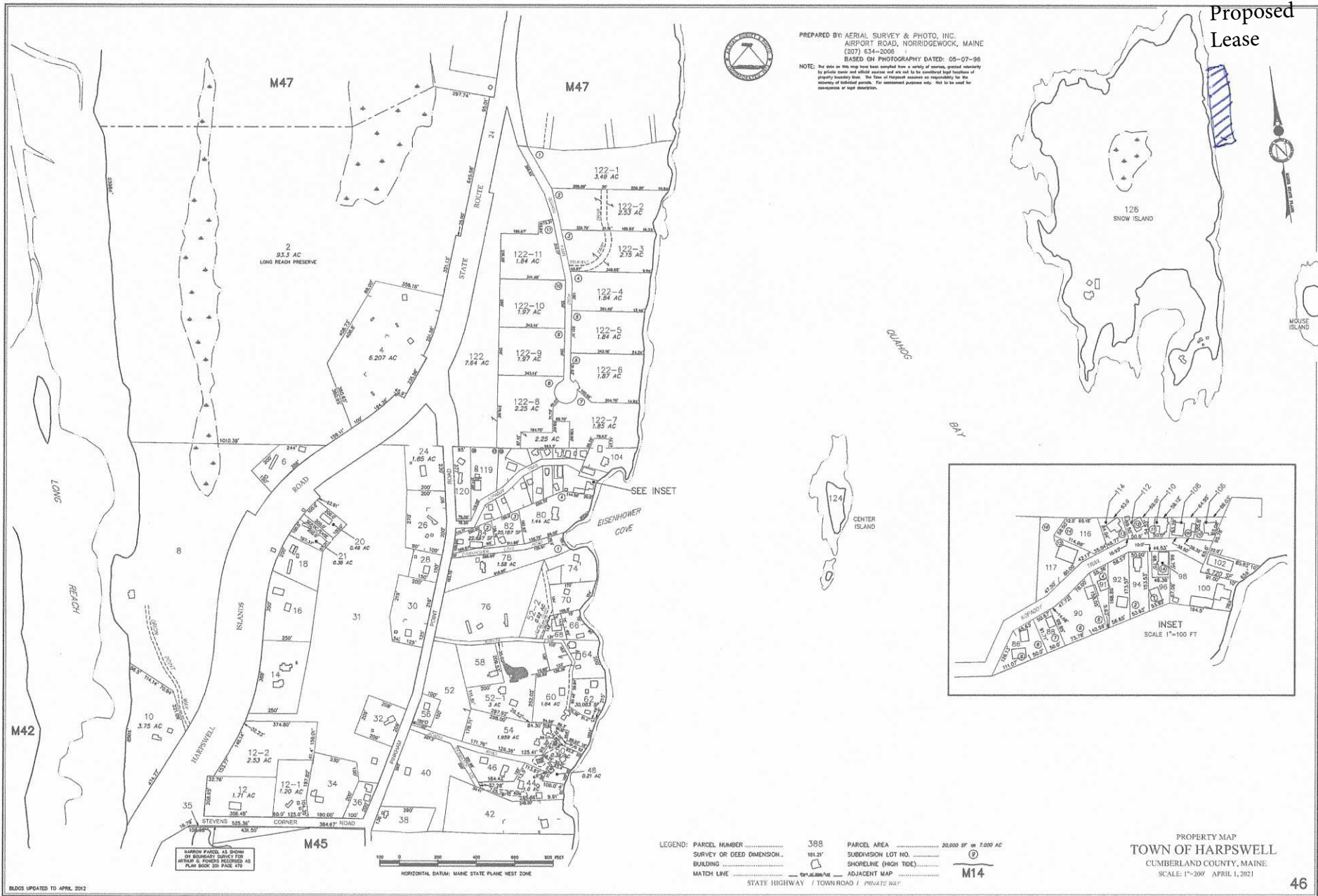
*Tax Map 46 - Town of Harpswell
Lot 126 (Snow Island)*

*Tax Map 56 - Town of Harpswell
Lot 2 (Ben Island)*

*Tax Map 58 - Town of Harpswell
Lot 2 (Potato Island)
Lot 3 (Woodsy and Nubble Islands)
Lot 4 (Mouse Island)*

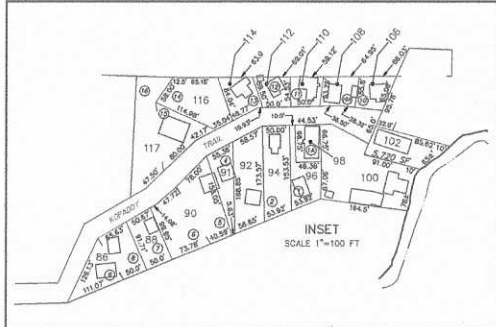
Vicinity Map with 1,000' buffer

Certified Riparian List



PREPARED BY: AERIAL SURVEY & PHOTO, INC.
 AIRPORT ROAD, NORRIDGEWOCK, MAINE
 (207) 634-2008
 BASED ON PHOTOGRAPHY DATED: 05-07-08
 NOTE: The data on this map have been compiled from a variety of sources, granted voluntarily by private owner and should not be used as the considered legal location of property boundary lines. The Town of Harpswell assumes no responsibility for the accuracy of individual parcels. For unannounced purposes only. Not to be used for consequences of legal description.

Proposed
 Lease



LEGEND: PARCEL NUMBER 388
 SURVEY OR DEED DIMENSION 161.21'
 BUILDING [Symbol]
 MATCH LINE [Symbol]
 STATE HIGHWAY / TOWN ROAD / PRIVATE WAY

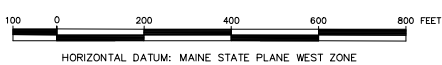
PARCEL AREA 20,000 SF or 7,000 AC
 SUBDIVISION LOT NO. [Symbol]
 SHORELINE (HIGH TIDE) [Symbol]
 ADJACENT MAP M14

PROPERTY MAP
 TOWN OF HARPSWELL
 CUMBERLAND COUNTY, MAINE
 SCALE: 1"=200' APRIL 1, 2012



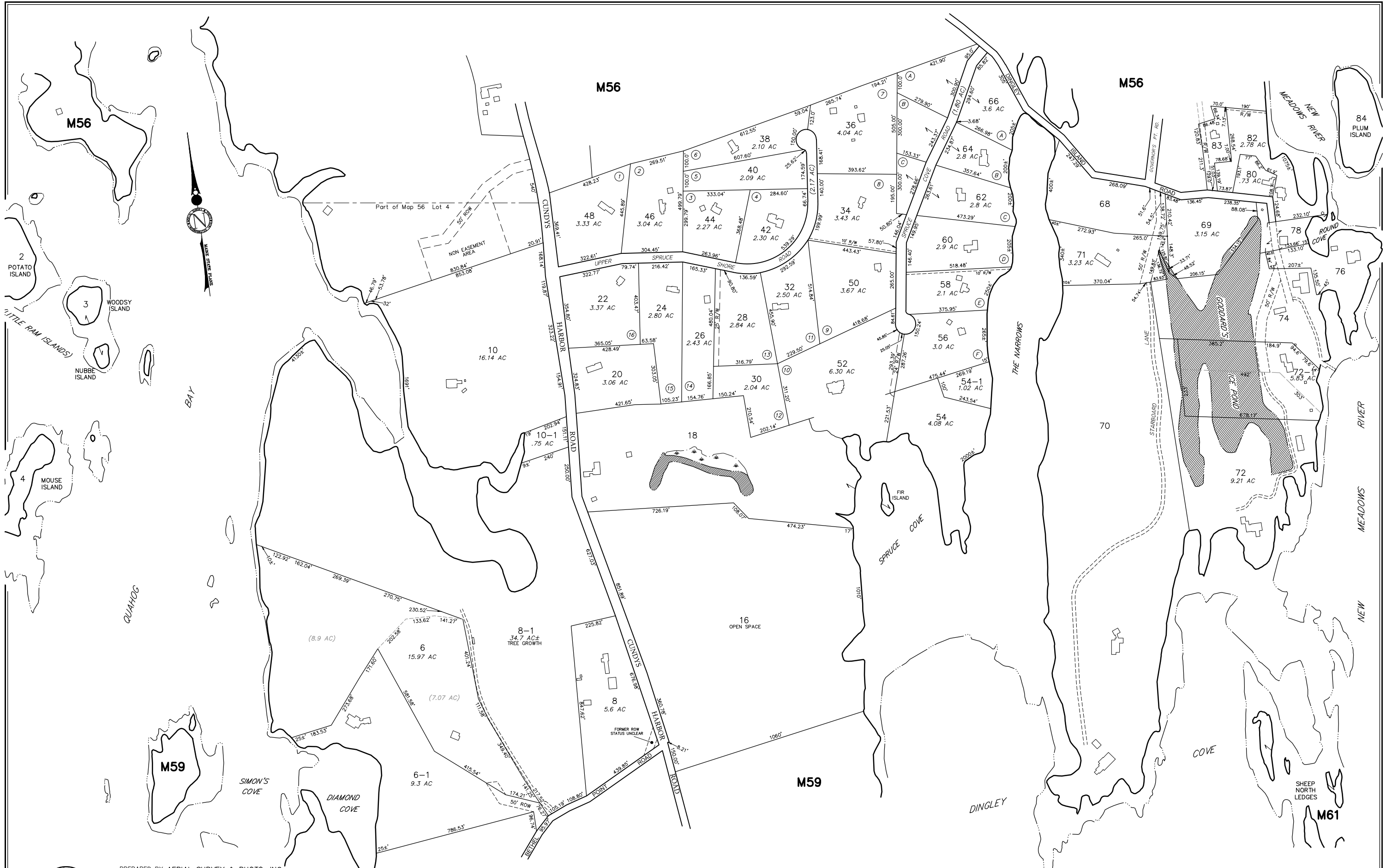
PREPARED BY: AERIAL SURVEY & PHOTO, INC.
 AIRPORT ROAD, NORRIDGEWOCK, MAINE
 (207) 634-2006
 BASED ON PHOTOGRAPHY DATED: 05-07-96
 NOTE: The data on this map have been compiled from a variety of sources, granted voluntarily by private owner and official sources and are not to be considered legal locations of property boundary lines. The Town of Harpswell assumes no responsibility for the accuracy of individual parcels. For assessment purposes only. Not to be used for conveyances or legal description.

LEGEND: PARCEL NUMBER 388
 SUBDIVISION OR DEED DIMENSION..... 161.21'
 BUILDING
 MATCH LINE
 PARCEL AREA 20,000 SF OR 7,000 AC
 SUBDIVISION LOT NO. (9)
 SHORELINE (HIGH TIDE).....
 ADJACENT MAP M14
 STATE HIGHWAY / TOWN ROAD / PRIVATE WAY



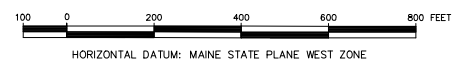
PROPERTY MAP
TOWN OF HARPSWELL
 CUMBERLAND COUNTY, MAINE
 SCALE: 1"=200' APRIL 1, 2021

BLDGs UPDATED TO APRIL 2012

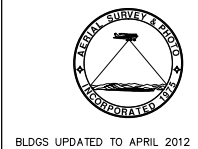


PREPARED BY: AERIAL SURVEY & PHOTO, INC.
 AIRPORT ROAD, NORRIDGEWOCK, MAINE
 (207) 634-2006
 BASED ON PHOTOGRAPHY DATED: 05-07-96
 NOTE: The data on this map have been compiled from a variety of sources, granted voluntarily by private owner and official sources and are not to be considered legal locations of property boundary lines. The Town of Harpswell assumes no responsibility for the accuracy of individual parcels. For assessment purposes only. Not to be used for conveyances or legal description.

LEGEND: PARCEL NUMBER	388	PARCEL AREA	20,000 SF OR 7,000 AC
SURVEY OR DEED DIMENSION	161.21'	SUBDIVISION LOT NO.	(9)
BUILDING		SHORELINE (HIGH TIDE)	
MATCH LINE		ADJACENT MAP	M14
STATE HIGHWAY / TOWN ROAD / PRIVATE WAY			



PROPERTY MAP
TOWN OF HARPSWELL
 CUMBERLAND COUNTY, MAINE
 SCALE: 1"=200' APRIL 1, 2021

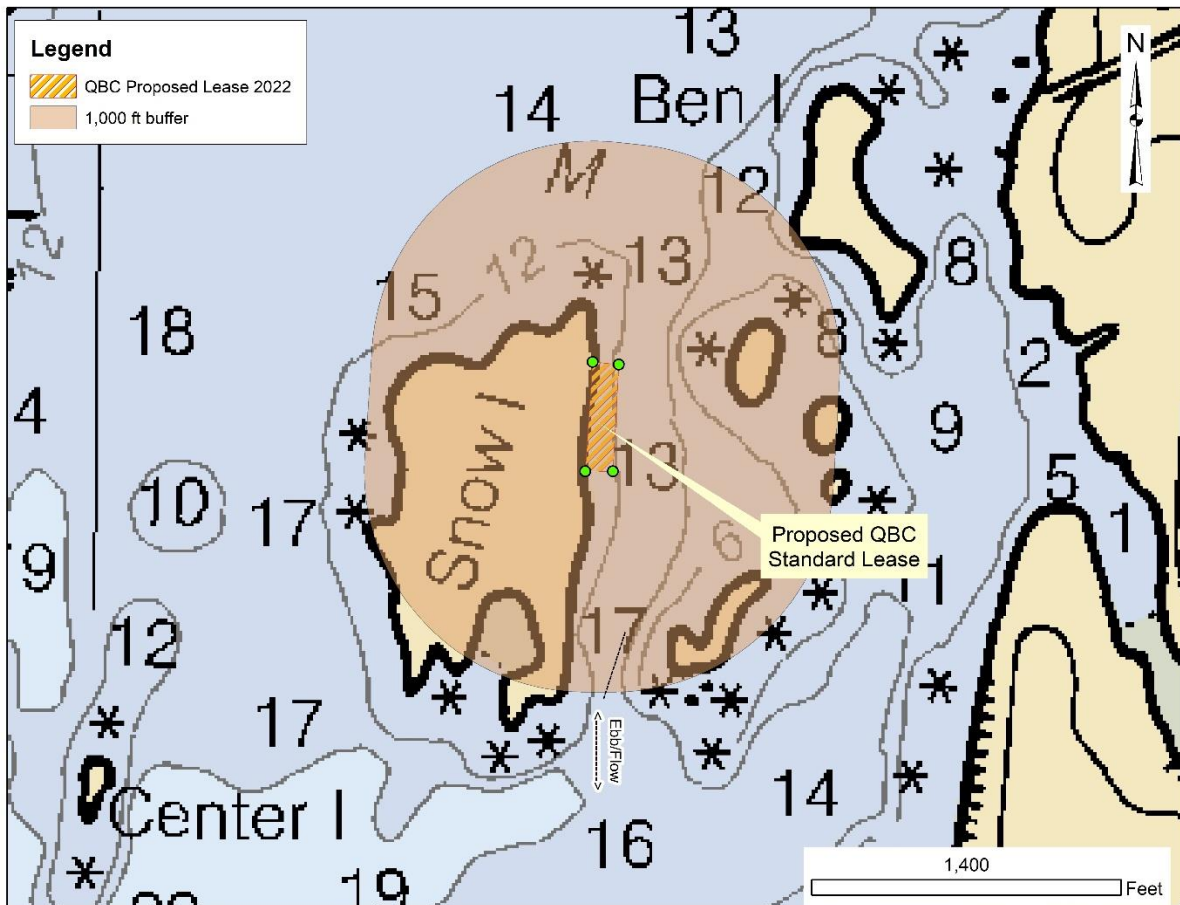


BLDGs UPDATED TO APRIL 2012

Vicinity Map with 1,000 ft buffer

QBC Proposed Lease

NOAA Chart 13290





JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF MARINE RESOURCES
21 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0021

PATRICK C. KELIHER
COMMISSIONER

- RIPARIAN OWNERS 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: Harpswell

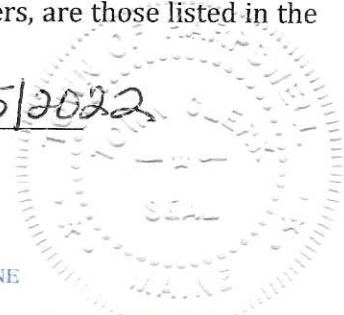
MAP #	LOT #	Landowner name(s) and address(es)
56	2 (Ben Is)	DUFFY AMANDA & EDWARD 355 WINTER STREET DUXBURY, MA 02332
58	2 (Potato Is)	BURBANK JOHN E III 106 HAVILAND RD RIDGEFIELD, CT 06877
58	3 (Woodsy & Nubble Is)	BURBANK ALAN 2138 EL ROBLE LANE BEVERLY HILLS, CA 90210
58	4 (Mouse Is)	STATE OF MAINE BUREAU OF PARKS LANDS AND COASTAL ISLANDS 22 SHS AUGUSTA, ME 04333
46	126 (Snow Is)	STELLA CLARE LLC 111 WACKER DRIVE STE 3975 CHICAGO, IL 60606

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Tracy H Gaudet, Town Clerk for the Town of Harpswell, 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: Tracy H Gaudet DATE: 7/25/2022
Deputy



OFFICES AT 32 BLOSSOM LANE, MARQUARDT BUILDING, AUGUSTA, MAINE
<http://www.Maine.gov/dmr>

PHONE: (207) 624-6550

FAX: (207) 624-6024

Appendix D

Technical Capability Resumes

Financial Capability - 2021 990 tax return

DAVID HUNTER

286 Bethel Point Road, Harpswell, ME 04079 · 2075221105

dave@sserv.org

Resume for application for Snow Island standard lease

EXPERIENCE

2013 – PRESENT

DIRECTOR OF OPERATIONS, QUAHOG BAY CONSERVANCY

Managing day to day operations, Snow Island Oyster farm Manager including a standard lease and experimental lease.

1998 – PRESENT

FIRE FIGHTER/ADVANCED EMT, BRUNSWICK FIRE DEPARTMENT

Hazards response, EMS response, fire control and rescue.

1993 – 1998

LOBSTER STERNMEN,

All aspects of commercial harvest of lobstering

EDUCATION

2014

CAPTAIN'S LICENCE, ATLANTIC CAPTAIN'S ACADEMY

OUPV licensed with towing endorsement

2016

AQUACULTURE INTRO, SHARED WATERS

1996-1998

FIRE SCIENCE, SOUTHERN MAINE TECH COLLEGE

Associates degree in Fire Science

1994-1996

CONSERVATION LAW, UNITY COLLEGE, UNITY MAINE

SKILLS

- Boat handling
- SCUB, nitrox, dry suit, and advanced diver certification
- Fished in multiple commercial fisheries

ALEC BOLLINGER

286 Bethel Point Road, Harpswell, ME 04079 · 207-522-1105

alec@sserv.org

Resume for application of Snow Island standard lease

EXPERIENCE

2015 – PRESENT

OYSTER FARM MANAGER, SNOW ISLAND OYSTERS/QBC

Responsible for all operations of Snow Island oysters

2008 – 2015

STERNMAN, PETE DORAN, HENRY BARNES

Lobster trap repair, boat work, all aspects of lobster commercial fishing

EDUCATION

2020

CAPTAIN'S LICENCE, ATLANTIC CAPTAIN'S ACADEMY

OUPV licensed Captain with towing endorsement.

2013

COLLEGE PREP, ST. DOMINICS ACADEMY

High honors, 2 Letter varsity sport player

2014

ABLE SEAMAN, DOWNEAST MARITIME ACADEMY

SKILLS

- Knowledge of working waterfront
- Boat handling
- Oyster farm management
- SCBA, Nitrox, Dry Suite certifications