

EXPERIMENTAL LEASE APPLICATION

1. APPLICANT CONTACT INFORMATION

Applicant	Whiskey Stones LLC
Contact Person	Darcie A. Couture
Address	68 Thomas Point Rd
City	Brunswick
State, Zip	Maine 04011
County	Cumberland
Telephone	(207) 266-8984
Email	darcie.couture@gmail.com

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

2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Harpwell
Waterbody	Harpwell Sound
General Description (e.g. south of B Island)	East of Dogs Head
Lease Information	
Total acreage (4-acre maximum) and lease term (3-year maximum) requested	0.481 acres (21,000 ft ²), for a term of 3 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) <input type="checkbox"/> Net Pen (finfish)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Note: If you selected yes, you need to complete the steps outlined in the section titled: "17. Landowner/Municipal Permission Requirements".

3. WATER QUALITY

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

Pollution Area (e.g. "19-A"):	17-C
Pollution Area Section (e.g. "B.2". or "none"):	None
Water Quality Classification (e.g. approved, restricted, etc.):	Approved

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

4. GENERAL LEASE INFORMATION

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

Name of species to be cultivated (include both common and scientific names):	Name and address of the source of seed stock, juveniles, smolts, etc., to be cultivated:
1. American oysters (<i>Crassostrea virginica</i>)	Muscongus Bay Aquaculture 24 Seal Ledge Lane, P.O. Box 204 Bremen, Maine 045511 (207) 529-41001
2.	
3.	
4.	
5.	

B. Do you intend to possess, transport, or sell whole or roe-on scallops? ☐ Yes ☒ No

If you answered "yes" please contact the Bureau of Public Health to discuss you plans at the following email: DMRPublicHealthDiv@maine.gov

Note: If you are proposing to grow molluscan shellfish, this application also serves as your written operational plan as required in the National Shellfish Sanitation Program (NSSP) Model Ordinance Chapter 2, and must be maintained in your files. If you wish to submit an operational plan separate from this application, please contact: DMRPublicHealthDiv@maine.gov

5. VICINITY MAP

Note: 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 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 of this commercial study is to determine if siting a farm in an area that receives regular wave action from local hydrography will reduce or eliminate the need for the additional labor used to manually tumble the shellfish to improve market quality

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

Oysters will be cultured in standard ADPI rigid-mesh bags with go-deep buoys on the long sides (floating bags) in narrow strings, with bags placed narrow-end-to-end to maximize exposure to rolling wave action.

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

Gear placed in floating position and sorting of standing crop from previous season(s) will begin at ice-out in the spring (March April). Regular sorting, tending gear, and harvesting will occur weekly as needed. New seed will be added to site when it arrives in July, with sorting, tending gear, and harvesting continuing as needed until ice arrives (December). Gear will be moored approximately 3 feet below water surface, attached to a clip line suspended at that level (~3 feet below surface) until ice-out in spring (March April).

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

Seeding will take place in a single day, once per year, when the seed is ready from the hatchery in July. Harvesting will take place once weekly, or as needed, from May through December.

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

Routine site maintenance will take place as needed, with an expected average frequency of 1-2 days per week from March to May, and 3-4 days per week (which will coincide with harvest days whenever possible) from June through October. Maintenance should drop back to 1-2 days per week from November to December, or less, once the farm lines have been dropped to the over-wintering position with pending arrival of ice (~3 feet below the surface)

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

Harvesting will be by hand, consisting of grabbing the ADPI bags marked for harvest from the clip line, usually from a small skiff, or occasionally from a small lobster boat.

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.

Pending arrival of ice, main gear clip-lines, along with any ADPI bags remaining on the farm at that time, will be submerged ~3 feet below the surface by adding enough weights (cinder blocks tied to 11/32 rope) at enough intervals along the lines to sink the clip lines to the desired depth.

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?

There will not be any permanent machinery or vessels stored at the site. Regular flipping of the bags from a small skiff (brought over from the nearby commercial wharf as needed for handling gear) should reduce biofouling issues, and sorting/grading will take place by hand, on the trap rack of a small lobster boat (moored at the nearby commercial wharf, and brought to the site only for sorting, then returned to the mooring), using the on-board raw water hose to help clean while sorting. See answer to #7 (F) for activity frequency.

J. What is the maximum number (or biomass) of organisms you anticipate being on the site?

When at full production capacity, we anticipate the site will hold a maximum of 300,000 oysters at various growth stages (mixture of seed/juveniles and market sized).

K. 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.

The frequency of tending the gear that is currently in place at the four LPA sites in this location has deterred any regular bird presence; however, we have purchased a "WhirlyBird Repeller Pro" from www.whirlybirdrepeller.com/products/pro-spinning-bird-repeller in case the need arises to add any bird deterrents in the future.

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 the activity occurs c) frequency, and d) proximity to the lease site.

1. Commercial Fishing

Some seasonal lobstering in vicinity, have never observed more than 5 buoys in the vicinity at any time in the last two years - nearest buoy is approximately 145 feet from the boundary where the proposed Lease will be located. See "Vicinity Map - Details for Lobster Gear location" for exact location of two closest lobster buoys.

2. Recreational Fishing
Some seasonal recreational fishing approximately 500 feet from the current LPAs where the proposed Experimental Lease will be located.
3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water).
Seasonal boat traffic passes by approximately 100 feet from the current LPAs where the proposed Experimental Lease will be located.
4. Riparian Ingress/Egress
Members of the Lombos Hole Peninsula Owners association have a dock approx. 670 feet from the proposed Lease. Ingress and Egress have not been affected by the current LPAs at the proposed Lease site, which have been in place for two years.
5. Other uses (kayaking, swimming, etc.)
Some seasonal kayaking in the general vicinity, following same general area as seasonal boat traffic.

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.
Yes - private dock for Lombos Hole Peninsula Owners, approx. 670 feet north of the proposed Lease; several commercial and private docks at the Orrs Island bridge, approx. 790 feet southeast of the proposed Lease, and several dozen moorings approx. 500+ feet from the proposed Lease. See "Vicinity Map - Details for Moorings and Docks" included in Appendix A for exact locations.

C. Are there public beaches, parks, or docking facilities within 1,000 feet of the proposed lease site. If yes, please describe and include approximate distances from proposed lease.
None

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.

There are currently four LPAs located within the proposed lease area (DCOU519, DCOU619, MDAV119, MDAV219). These LPAs are set up as a smaller version of the proposed lease (the four LPAs are located end to end next to each other, in one long string of bags).

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.

If this lease is granted, we would give up all four of the LPAs currently located there (DCOU519, DCOU619, MDAV119, MDAV219).

10. EXCLUSIVE USE

If your lease is granted, what activities would you request be excluded from occurring within the boundaries of the lease site? In your answer please address applicable commercial and recreational fishing, boating activities, and other activities you listed in the ‘Existing Uses’ section of this application.

We are not requesting any activity exclusions from the lease area, as long as the gear is not molested or disturbed.

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?

~19 ft. at low water

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

~29 ft. at high water

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

Exact current speed has not been measured, but could be categorized as moderate for the area. Direction of the current is in parallel to the adjacent ledges, NNE on an ebbing tide, and SSW on a flooding tide.

D. The following questions (D.1 through D.6) may be answered in writing or by submitting a video. If you plan to submit a video, please contact the Department prior to video collection.

1. What are the bottom characteristics (mud, sand, gravel, rock, ledge or some mix, etc.)?

Extremely soft, silty mud on bottom, confirmed by two ponar grab samples on Oct. 22, 2020



<p>2. Describe the bottom topography (flat, steep rough, etc.).</p>
<p>Flat, muddy bottom.</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>No species visible (flora or fauna) in benthic grab samples from the bottom area below the site.</p>
<p>4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.</p>
<p>None.</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>No eelgrass within the proposed Lease area, based on periodic observations throughout the last two years during work on the farm at low tide stages, at all times of year. The LPAs that currently occupy the space were originally sited to be >25 feet away from historical and current eelgrass beds along the shallower ledges to the east of the site.</p>

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

Rural, rocky ledges and uninhabited, sparse, lightly forested area upland of site.

E. Is your proposed lease located within a Maine Department of Inland Fisheries and Wildlife designated Essential Habitat?

☐ Yes ☒ No

Note: The location of Essential Habitats in the State of Maine, along with information on how projects within these areas are reviewed, can be found here: <https://www.maine.gov/ifw/fish-wildlife/wildlife/endangered-threatened-species/essential-wildlife-habitat/index.html>

If a project is located within an Essential Habitat, applicants are strongly encouraged to contact the MDIFW Environmental Review Coordinator (John.Perry@maine.gov, phone: 207-287-5254) prior to application submission.

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, 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.

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
rigid ADPI plastic mesh bag with go-deep floats attached to long sides	25" x 34" x 3.5" total (with floats)	year-round, floating at surface in open water months, submerged when ice in area	Maximum of 788 bags at full capacity	American oysters

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

<p>Will you be able to mark your site in accordance with DMR regulations, Chapter 2.80?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If you answered no, explain why and suggest alternate markings.</p>

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.

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), 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.
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?

Access will be from a commercial wharf at the Orrs Island bridge located approximately 790 feet from the proposed Lease site. This access point has been used for the last two years for the current LPAs that occupy the proposed Lease site.

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

There will be no impact on riparian ingress or egress - there has been no impact over the last two years of active use of the LPAs that currently occupy the proposed Lease site.

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: _____

MAP #	LOT #	Landowner name(s) and address(es)
		(See completed and certified lists in Appendix D at the end of this application)

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.

Darcie A. Couture, President of

I, (printed name of applicant) Whiskey Stones LLC 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

12-20-20
Date

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

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

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

N/A
Applicant Signature

N/A
Date

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

16. APPLICANT SIGNATURE PAGE

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

Printed name: Darcie A. Couture

Title (*if corporate applicant*): President, Whiskey Stones LLC

Signature:  Date: 12-20-20

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) N/A

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.

Appendix A

Vicinity Map

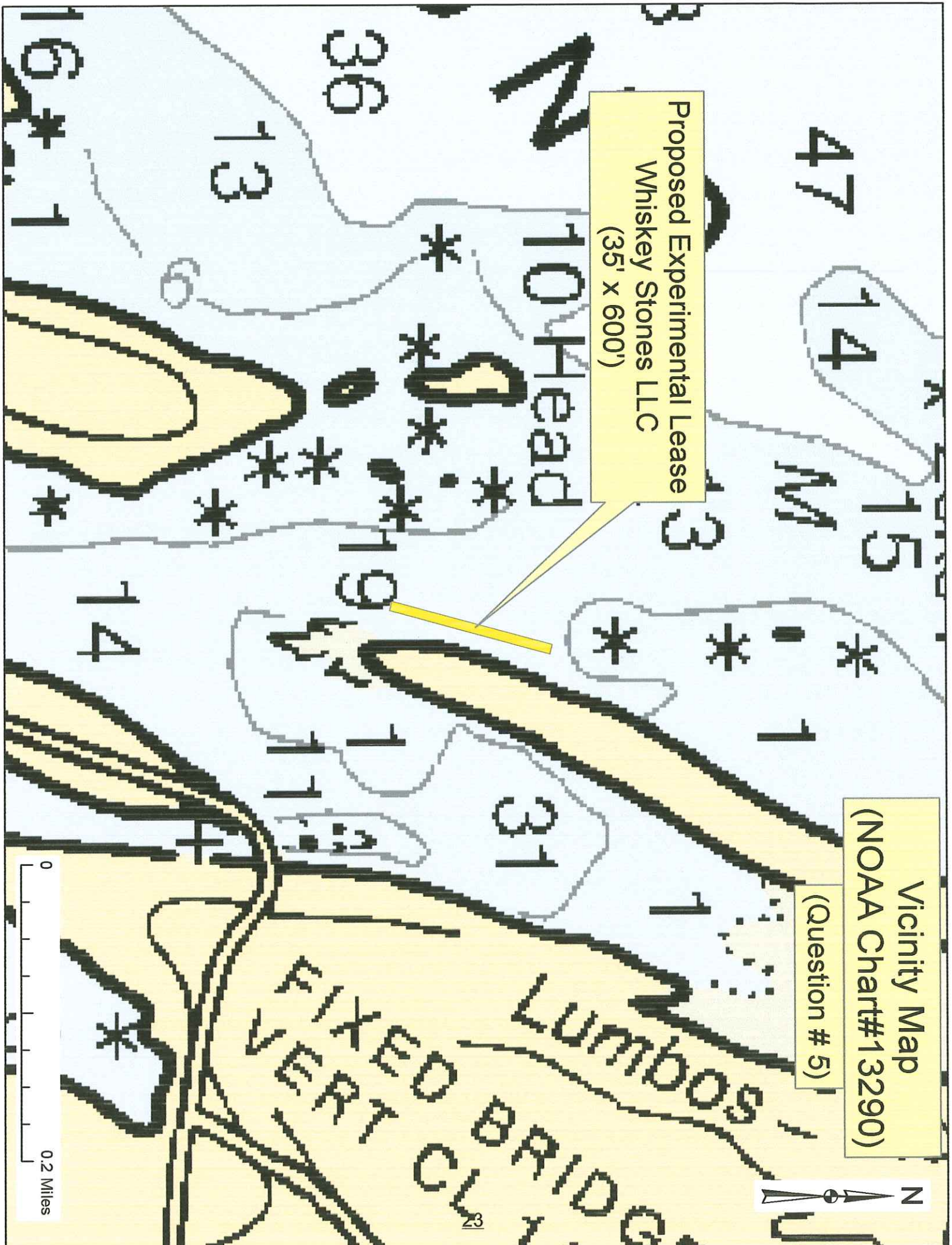
Map with details of Lobster Gear

Map with details of Moorings and Docks

Vicinity Map
(NOAA Chart#13290)

(Question # 5)

Proposed Experimental Lease
Whiskey Stones LLC
(35' x 600')



Legend

- Lobster buoys
- Current LPAs
- Existing Leases
- Eelgrass 2018
- Eelgrass 2013
- DMR WQ Classifications
- NSSP
- Prohibited
- Conditionally Approved

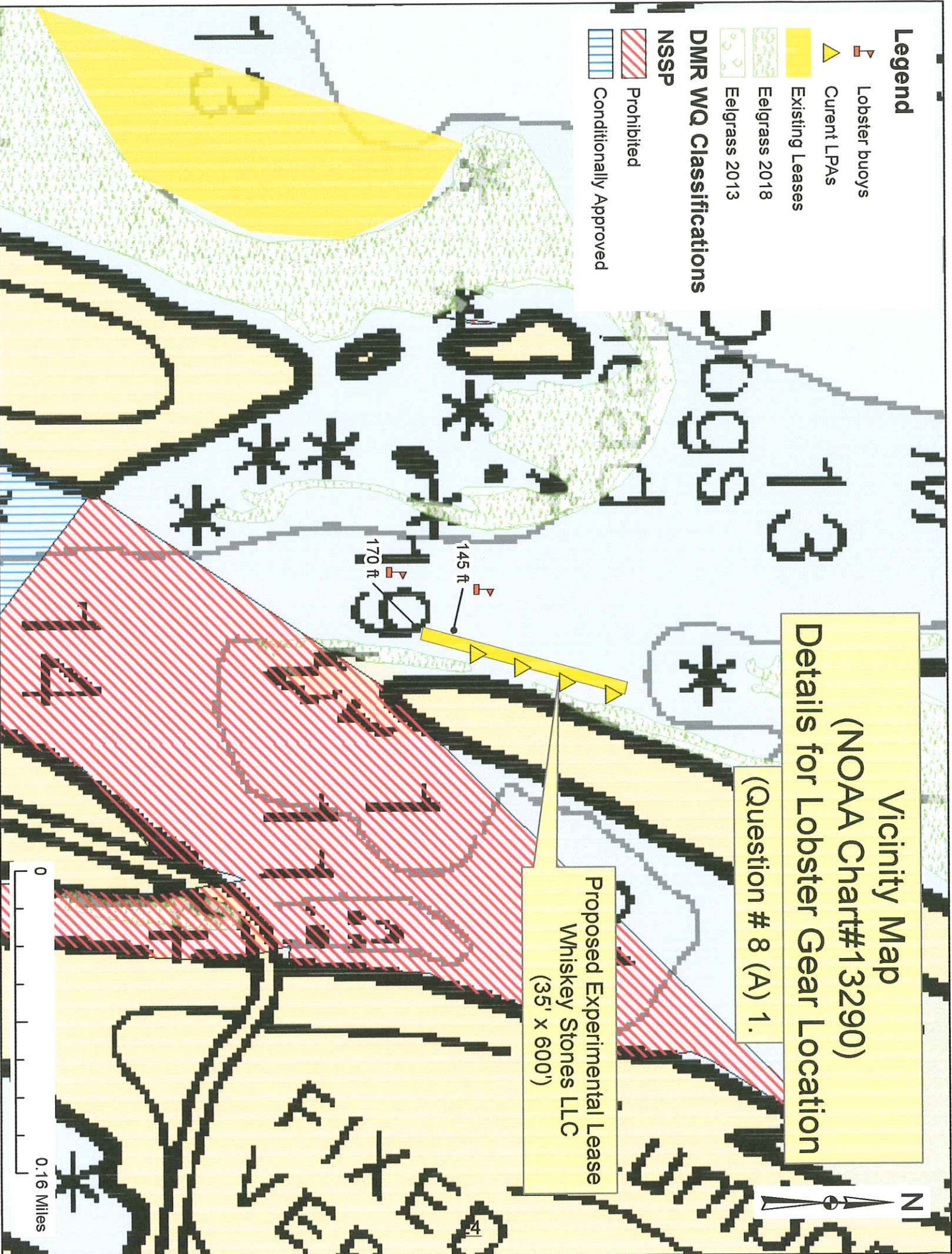
Vicinity Map (NOAA Chart#13290) Details for Lobster Gear Location

(Question # 8 (A) 1.

Proposed Experimental Lease
Whiskey Stones LLC
(35' x 600')

145 ft
170 ft

0 0.16 Miles



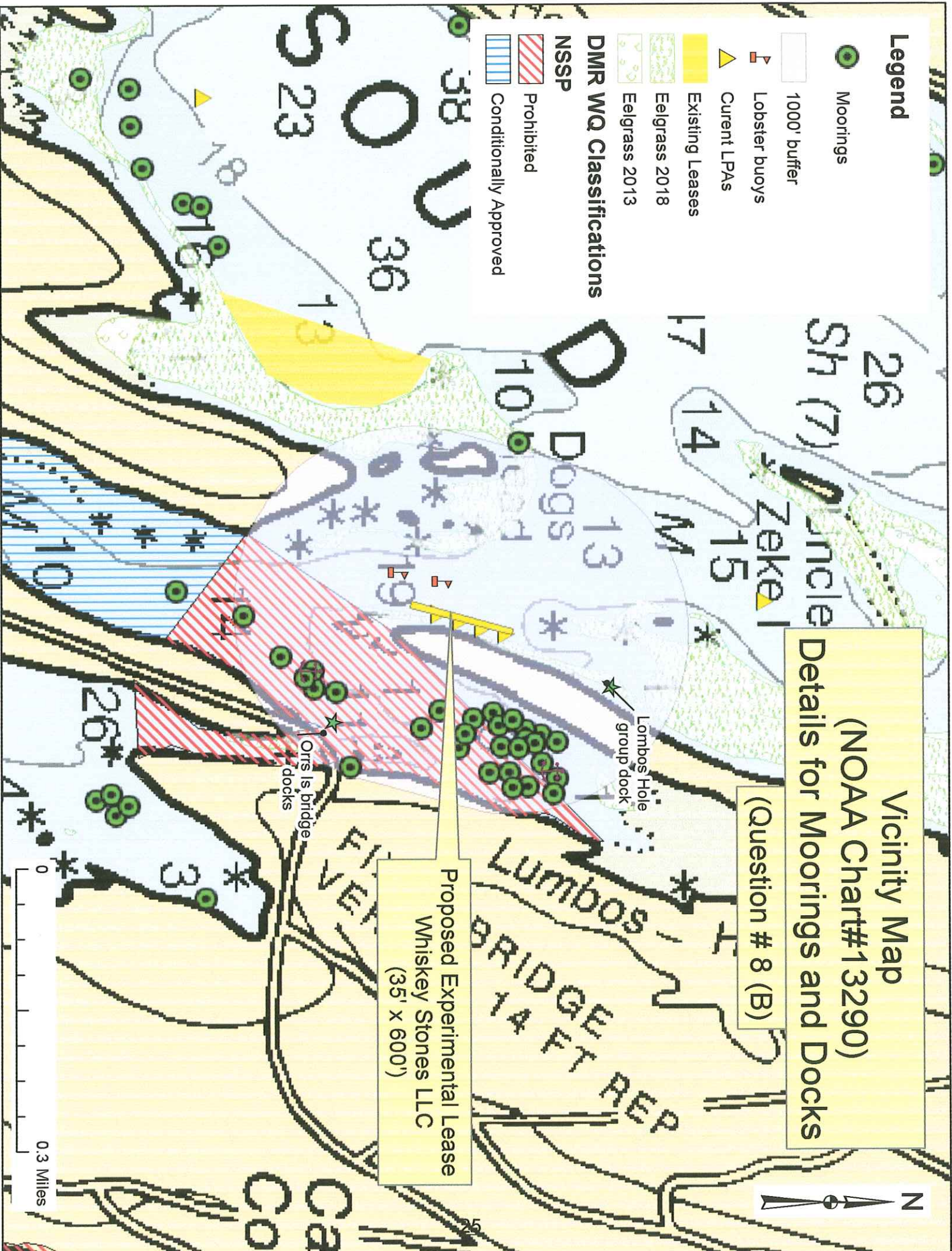
Legend

- Moorings
- 1000' buffer
- Lobster buoys
- Current LPAs
- Existing Leases
- Eelgrass 2018
- Eelgrass 2013
- DMR WQ Classifications
- NSSP
- Prohibited
- Conditionally Approved

Vicinity Map (NOAA Chart#13290) Details for Moorings and Docks

(Question # 8 (B))

Proposed Experimental Lease
Whiskey Stones LLC
(35' x 600')



Appendix B

Boundary Drawing

Proposed Experimental Lease
Whiskey Stones LLC
(35' x 600')

Map datum WGS 84

- A. 43.797969 N / -69.948240 W
- B. 43.797950 N / -69.948110 W
- C. 43.796355 N / -69.948676 W
- D. 43.796375 N / -69.948806 W

GPS points collected by D. Couture
with a mapping grade Garmin 1042
SXV GPS accurate to within +/- 3m

A to B = easterly (101.2 degrees) for 35 ft
B to C = southerly (194.4 degrees) for 600 ft
C to D = westerly (281.0 degrees) for 35 ft
D to A = northerly (14.4 degrees) for 600 ft

Boundary Drawing

(Question # 6)



600 ft

35 ft

A.
B.

D.
C.
35 ft

0

450 Feet

Appendix C

Structures - Overhead View

Structures - Cross-section View

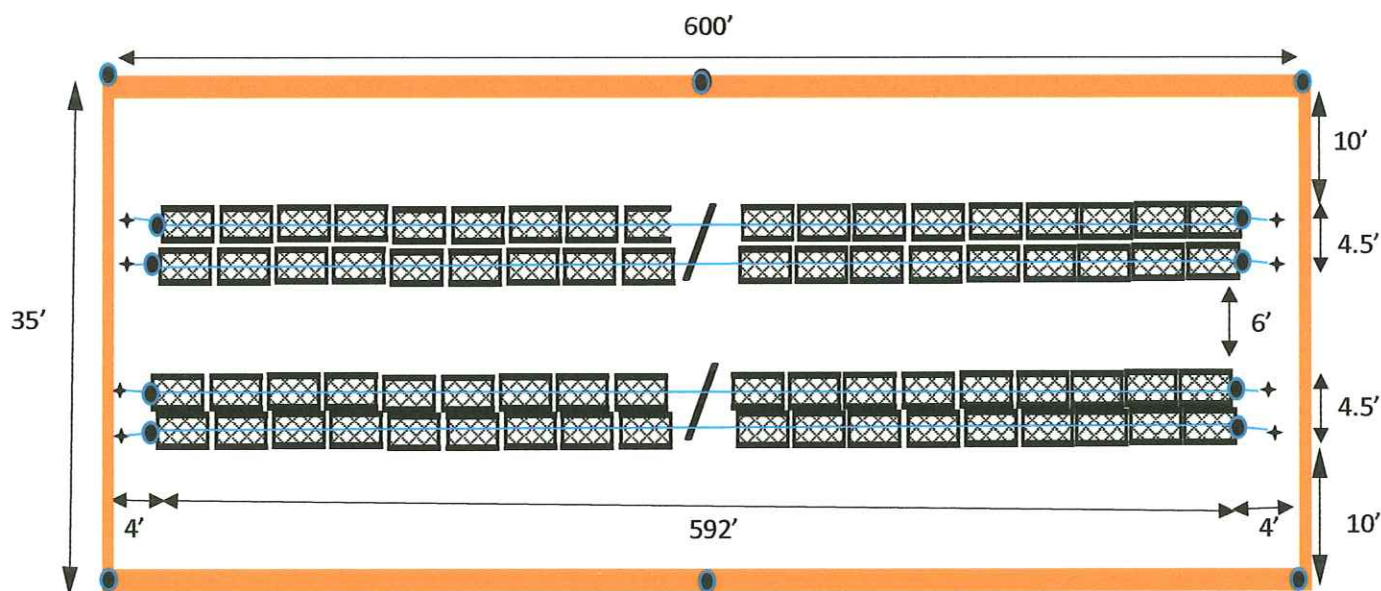
Gear Drawing

OVERHEAD VIEW – Floating configuration

Lease boundary is 35' x 600' in a long, narrow rectangle; corners, and at the mid-point of long edges, are marked by yellow 14.5" buoys with a strip of reflective tape on each buoy, with additional markings as required by Maine DMR, secured to a 25 lb. mushroom anchor and 3/8" rope. Maximum capacity of the site is 788 bags, joined narrow end-to-end in four strings of 197 bags per string. Each string is one narrow-end bag width (~25 inches), and 592 feet long. Two strings are placed directly adjacent to each other, then a gap of 6 feet of open water (to allow skiff to work center lines), followed by two more strings.

Two stainless steel fish snaps (sizes vary from 4" – 6") are attached at or near the narrow ends of each bag using 1/4" 3-strand nylon rope. Clips are used to attach each bag to a single "clip line" stretching the entire length of the farm, made of 11/32" rope. A total of seven 50 lb. mushroom anchors are attached to each main clip line, at ~150' intervals, with each one attached to ~30' of 3/8" rope (enough to hold taught at high tide). One 50 lb. mushroom anchor is placed at each end of the clip line, four feet out from each end of the surface clip line, where there is a 11.5" white poly ball buoy attached, to assist in keeping the clip line tight along the entire length; the remaining five anchors are distributed evenly along the length of the clip line.

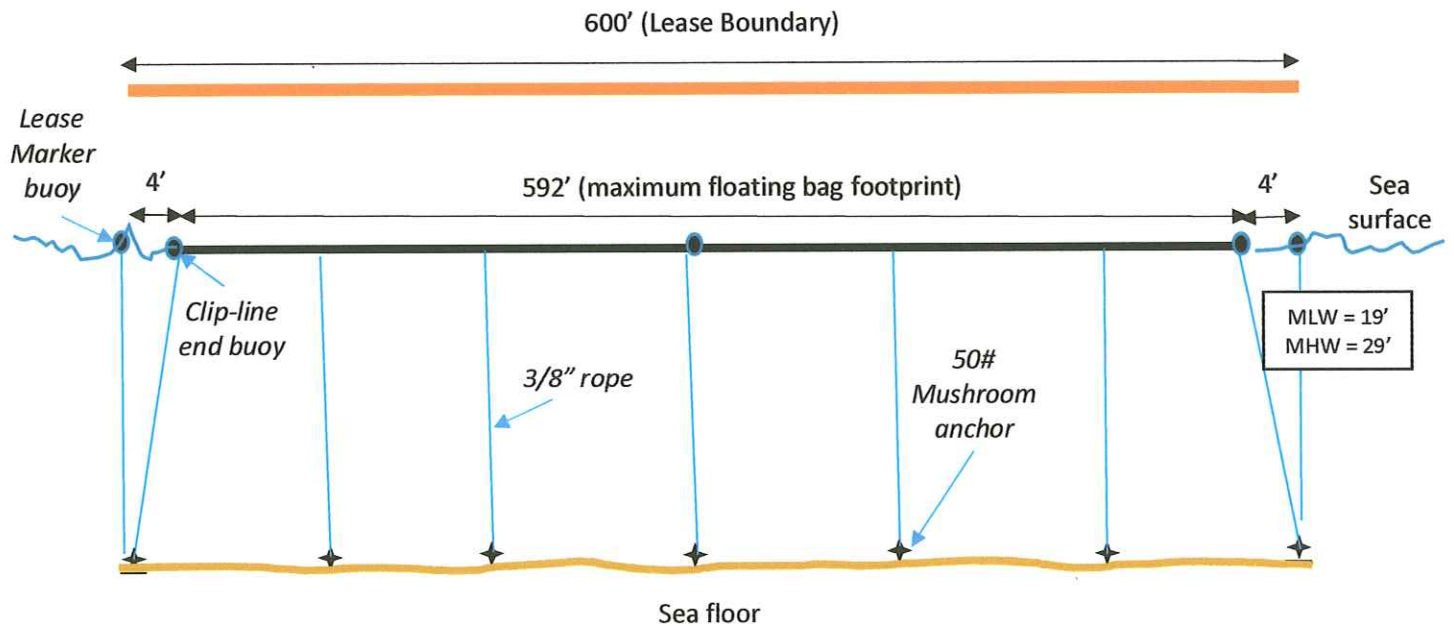
Note: Bags are not to scale in this diagram. See the 'Gear Drawing' for accurate individual bag dimensions



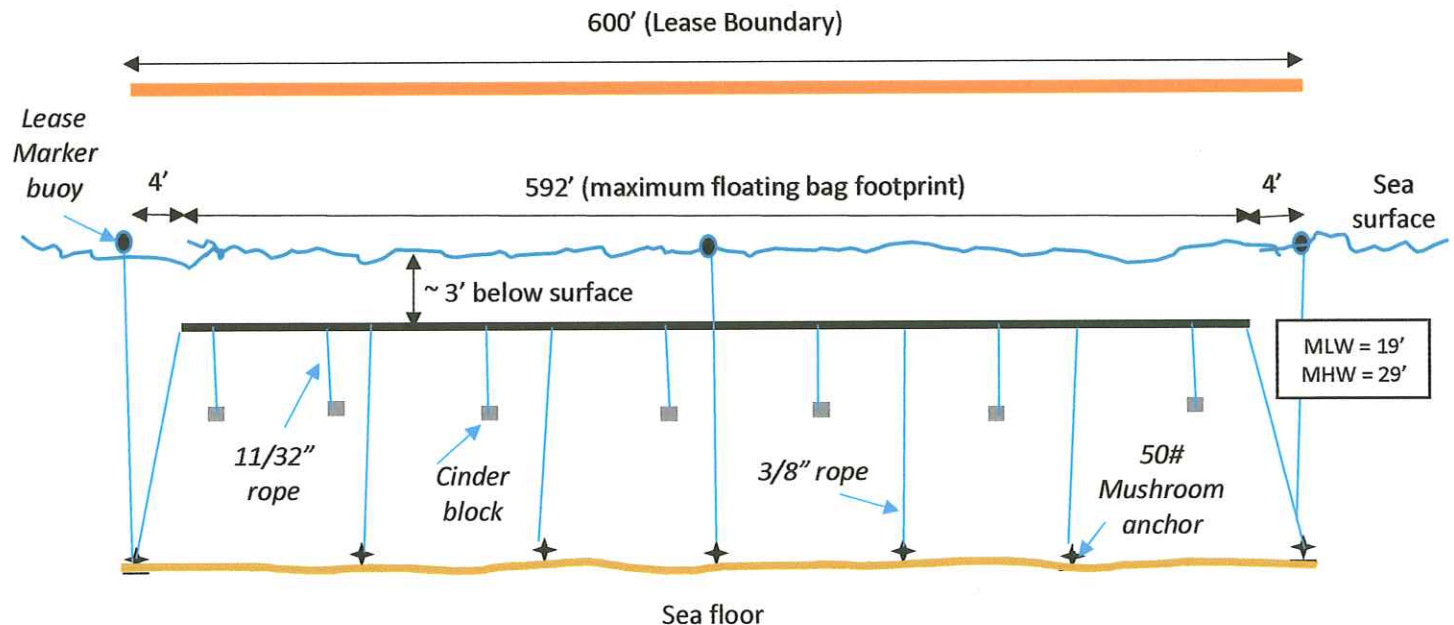
OVERHEAD VIEW – Winter (ice present) configuration

Winter configuration is exactly the same overhead footprint and layout, except that clip line buoys will be removed, and all lines and gear that were on the surface, will be submerged by ~ 3 feet below the surface by attaching a series of cinder blocks and 11/32" rope along each clip line, in order to pull them down below the surface, but keep them well off the bottom (see details in Cross-section View).

CROSS-SECTION VIEW – Floating configuration

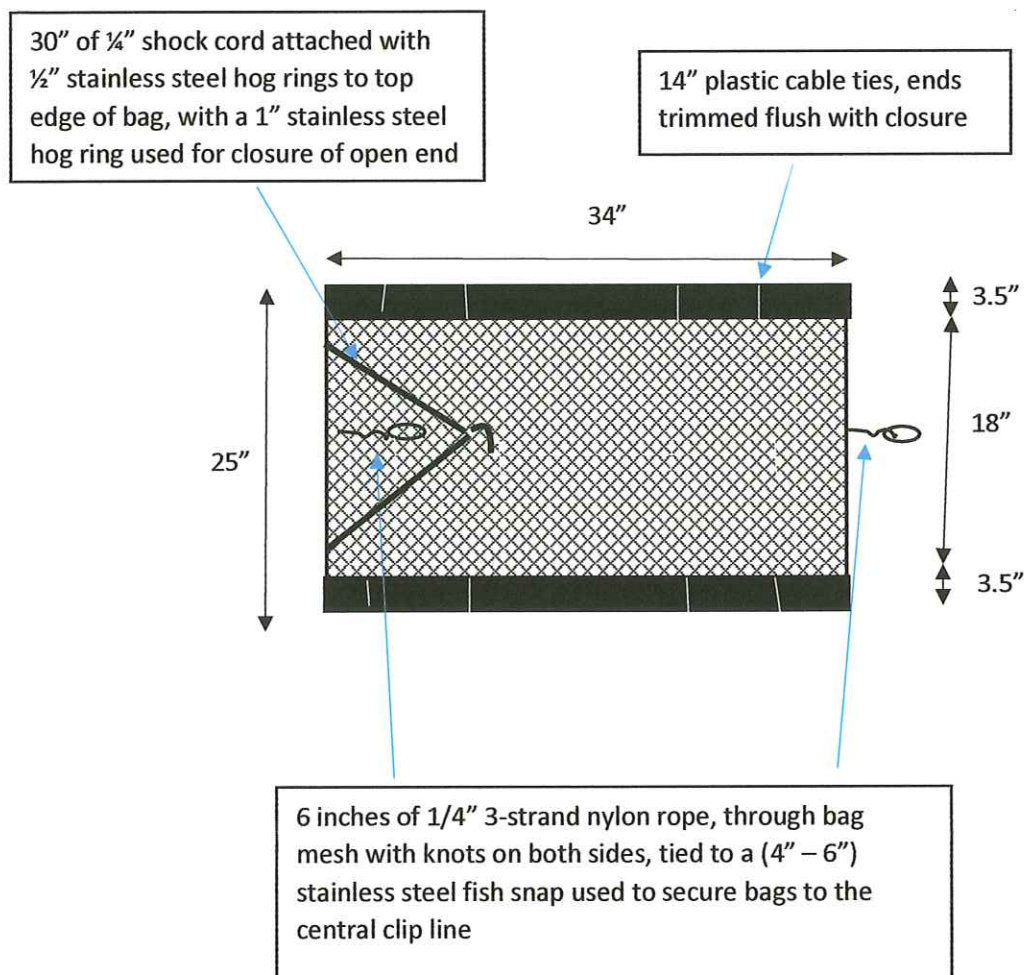


CROSS-SECTION VIEW – Winter (ice present) configuration



Gear Drawing – Individual ADPI bag

Semi-rigid plastic mesh ADPI bags, with black hard plastic 3.5" diameter Go Deep floats at each long edge, attached with four 14" black plastic cable ties on each float.

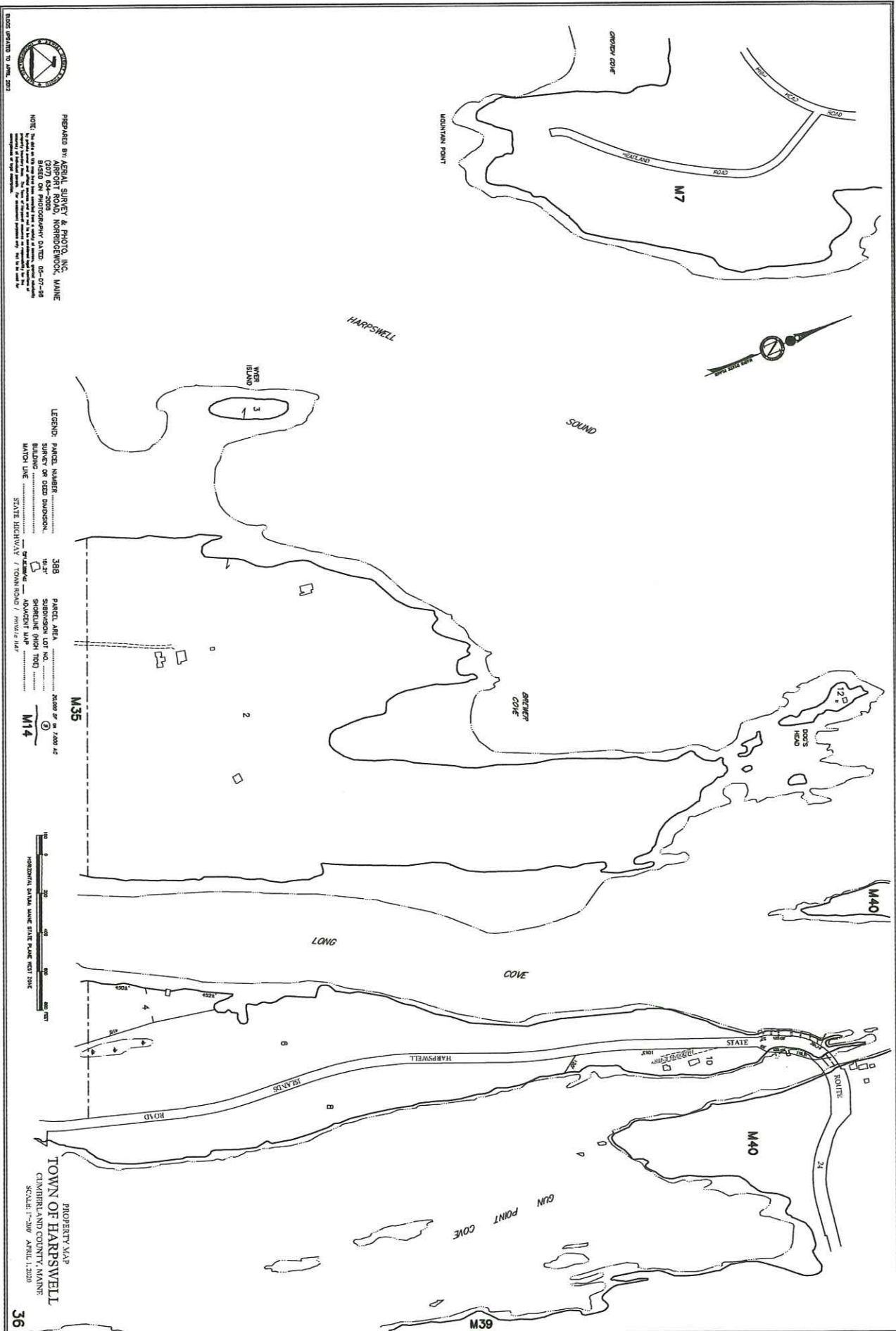


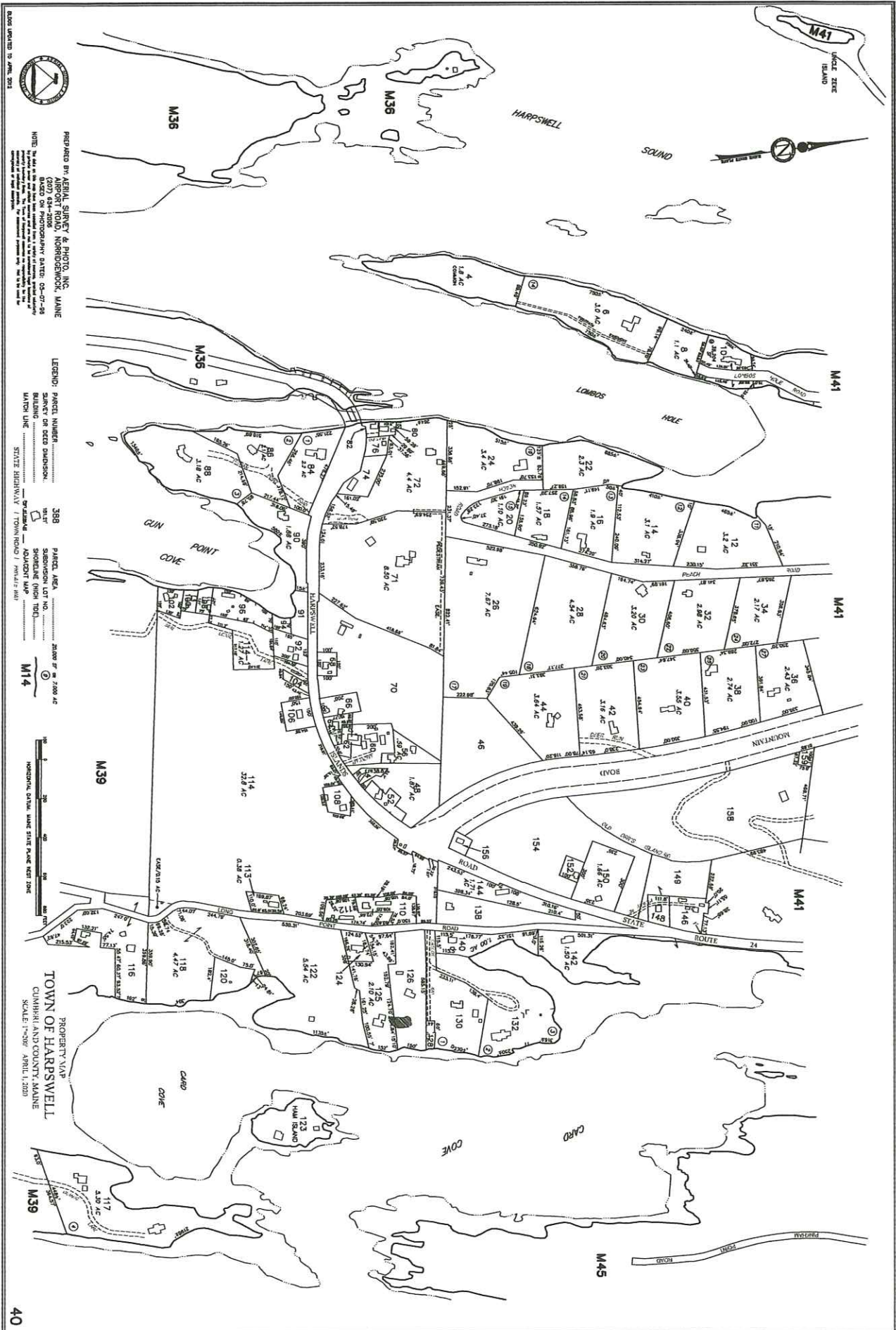
Appendix D

Town of Harpswell - Tax Maps

Tax Maps with Proposed Lease and 1,000 ' buffer

Certified/Signed Riparian Landowner List







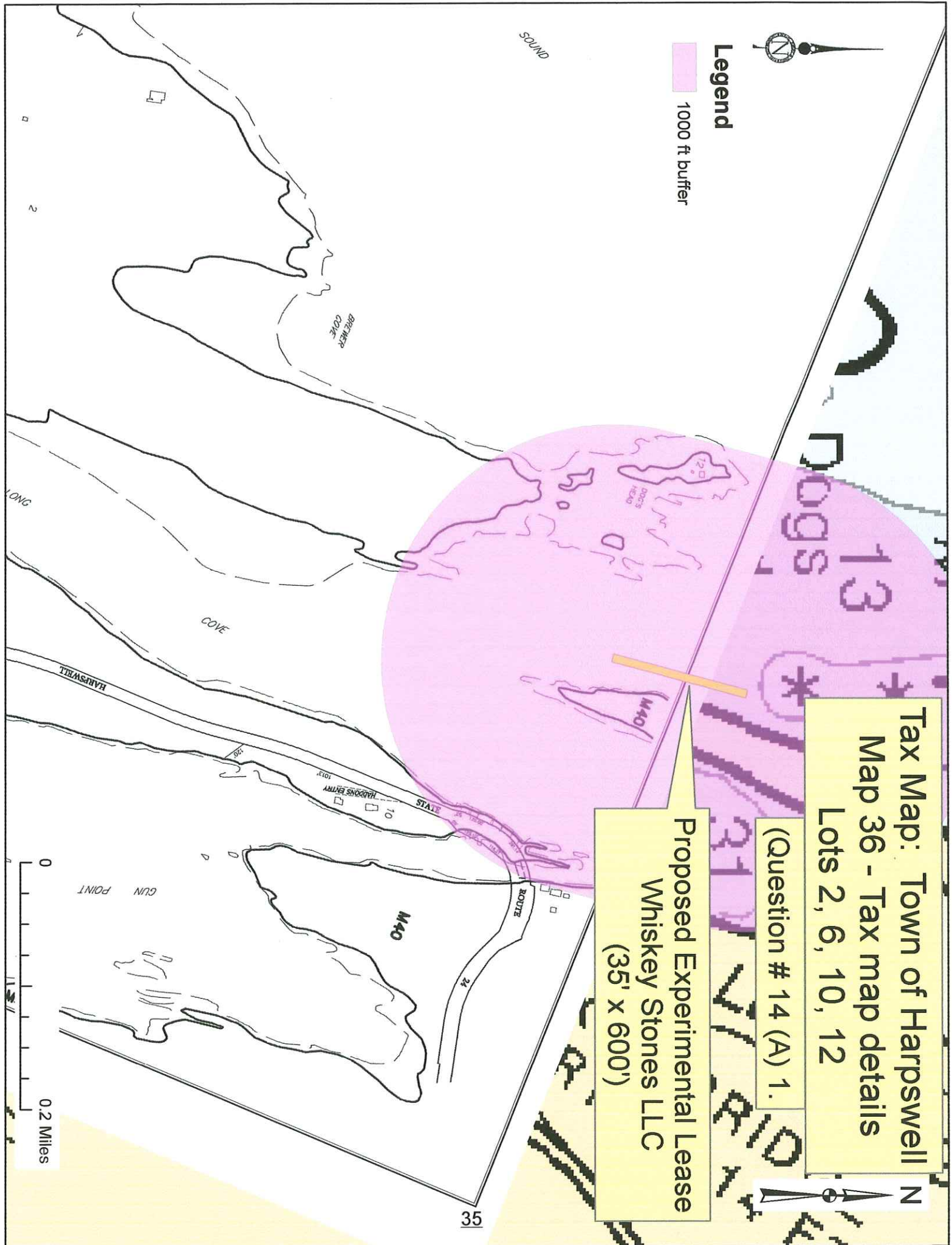
Legend

1000 ft buffer

Tax Map: Town of Harpswell
Map 36 - Tax map details
Lots 2, 6, 10, 12

(Question # 14 (A) 1.

Proposed Experimental Lease
Whiskey Stones LLC
(35' x 600')



Legend

1000 ft buffer

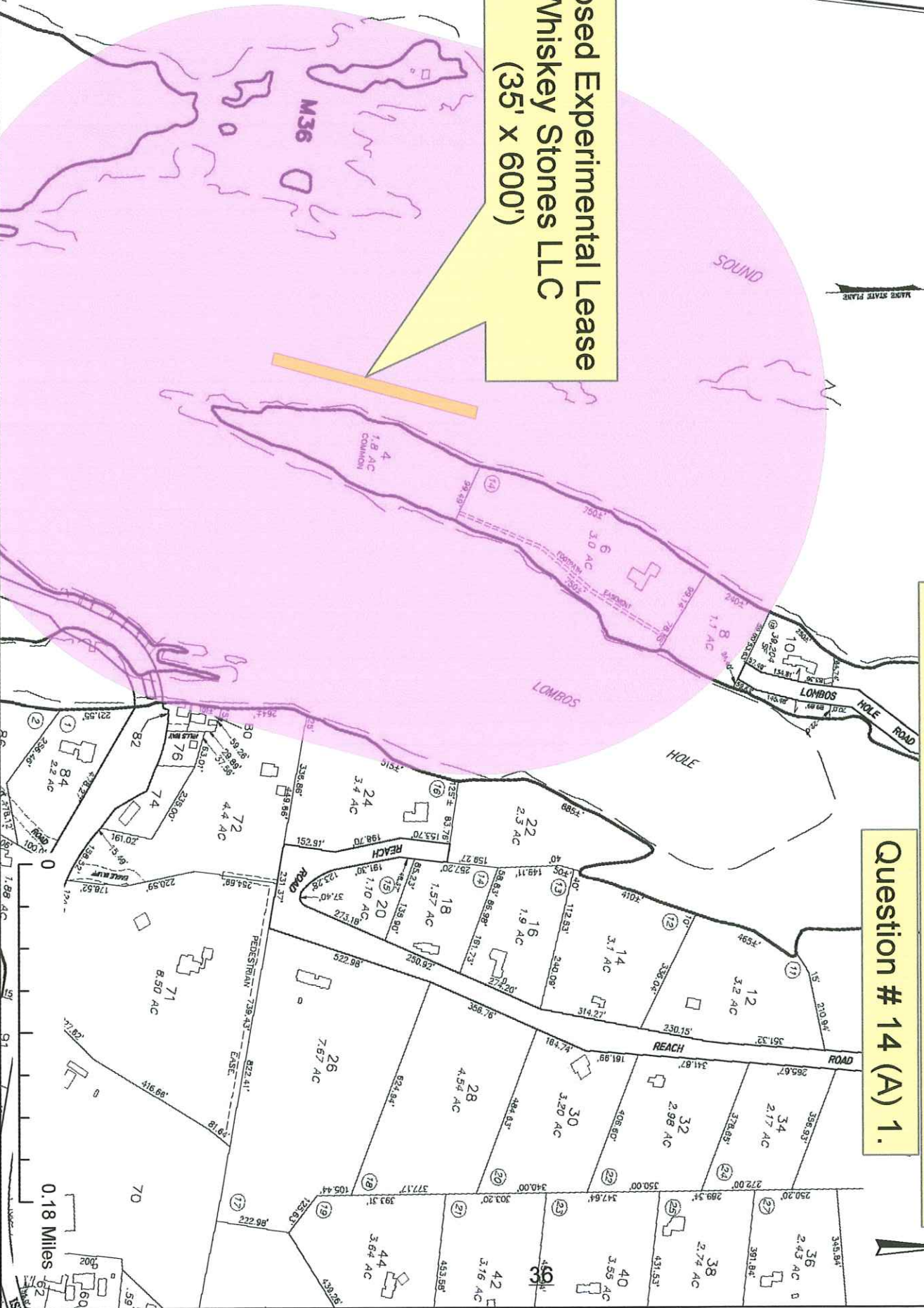
JINGLE ZEKE
ISLAND



**Proposed Experimental Lease
Whiskey Stones LLC
(35' x 600')**

**Tax Map: Town of Harpswell
Map 40 - Tax map details
Lots 4, 6, 8, 22, 24, 72, 80, 82, 84**

Question # 14 (A) 1.



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: Harpswell

MAP #	LOT #	Landowner name(s) and address(es)
40	4	Lombos Peninsula Owners c/o Mark Wilcox, Treasurer Lombos Peninsula Owners Association 122 Lombos Hole Rd / Harpswell, ME 04079
40	6	Jaqueline B. & Stephen P. Norman 136 Lombos Hole Rd Harpswell, ME 04079
40	8	Lombos Peninsula Owners c/o Mark Wilcox, Treasurer Lombos Peninsula Owners Association 122 Lombos Hole Rd / Harpswell, ME 04079
40	22	Long Reach Mountain Association c/o Patricia Rolfson 6 Deer Run Harpswell, ME 04079
40	24	Katherine D. Rollins 16 Monroe Place Brooklyn, NY 11201
40	72	Helen M. & Robert G. Shea Hootsmans Norbert A.M. & Alice M.S. Hootsmans 345 Commonwealth Ave. / Unit 1 / Boston, MA 02115

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

ROSALIND KNIGHT 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: Rosalind Knight DATE: 12-15-20

RIPARIAN LANDOWNER LIST - continued

MAP #	LOT #	Landowner name(s) and address(es)
40	80	Vicki L. & Stephen A. Bickford P.O. Box 152 Orrs Island, ME 04066
40	82	George C. Jr. & Mary Louise Eliades 59 Anthony Ave. Topsham, ME 04086
40	84	Antonio & Linda J. Difronzo Trustee of The Linda J. & Antonio Difronzo Trust 8633 N. Keystone / Skokie, IL 60076
36	2	Bowdoin College Pres & Trustees c/o Coastal Study Center 6700 College Station Brunswick, ME 04011
36	6	Town of Harpswell P.O. Box 39 Harpswell, ME 04079
36	10	Jonathan Haddon 5911 Carlton Lane Bethesda, MD 20816
36	12	Benjamin Swanson 29 Cottage Place Westbrook, ME 04092

CERTIFICATION

I, ROSALIND KNIGHT, 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: Rosalind Knight DATE: 12-15-20



MAINE DEPARTMENT OF MARINE RESOURCES

Aquaculture Division, 21 State House Station, Augusta, ME 04333-0021 (207) 624-6567

CORPORATE APPLICANT FORM

For Standard and Experimental Aquaculture Lease Applications

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

A. Corporate Applicant

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

1. Name of Corporation: Whiskey Stones LLC

2. Date of incorporation: 6/15/20 State of incorporation: Maine

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

Name	Address	Title
Darcie A. Couture	90 Middlesex Rd Topsham, ME 04086	President

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

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

Name	Address
Darcie A. Couture	90 Middlesex Rd, Topsham, ME 04086

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

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

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

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

Name	Address	Percentage of Owned Stock
Darcie A. Couture	90 Middlesex Rd, Topsham, ME 04086	100%

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

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

Name	Address	Lease Acronym	Acreage
None			

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

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

☐ Yes ☒ No

If you selected "yes", please provide details.

B. Partnership Applicant

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

1. Name of Partnership: N/A
2. Date of formation: _____ State of partnership: _____
3. List the names, addresses, and ownership shares of all partners:

Name	Address	Ownership Shares

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

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

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

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

Name	Address	Lease Acronym	Acreage

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

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

☐ Yes ☐ No

If you selected "yes", please provide details.