

STANDARD LEASE APPLICATION: NON-DISCHARGE

1. APPLICANT CONTACT INFORMATION

Applicant	Bailey Coffin		
Contact Person	Bailey Coffin		
Address	26 Litchfield Road		
City	Freeport		
State, Zip	Maine, 04032		
County	Cumberland County		
Telephone	(207) 522-1829		
Email	bailcoffin@gmail.com		
Type of Application	<input checked="" type="checkbox"/> Draft Application [submitted before scoping session]		<input type="checkbox"/> Final Application [submitted after scoping session]
Dates	Pre-Application Meeting: 2/7/2020	Draft Application Submitted: 5/8/2020	Scoping Session:

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

2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Freeport
Waterbody	Casco Bay
General Description (e.g. south of B Island)	West of Sow and Pigs Island
Lease Information	
Total acreage requested (100-acre maximum)	6.84 acres (6.61 acres bottom seeding with no gear- only corner buoys, 0.23 acres suspended line and bottom gear)
Lease term requested (20-year maximum)	20 years
Type of culture (check all that apply)	<input checked="" 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".

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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"):	15
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 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, juveniles, and/or smolts	Maximum number (or biomass) of organisms you anticipate on the site at any given time
1. Eastern oyster, <i>Crassostrea virginica</i>	Muscongus Bay Aquaculture 24 Seal Ledge Lane Bremen, ME 04551 Mook Sea Farm 321 State Rte. 129 Walpole, ME 04573 Chad Coffin 26 Litchfield Road Freeport, ME 04032 Downeast Research Institute 39 Wildflower Lane Beals, ME 04611	1.5 million
2. Quahogs, <i>Mercenaria mercenaria</i>	Muscongus Bay Aquaculture 24 Seal Ledge Lane Bremen, ME 04551 Downeast Research Institute 39 Wildflower Lane Beals, ME 04611	1.5 million
3. Artic Surf Clams, <i>Mactromeris polynyma</i>	Downeast Research Institute 39 Wildflower Lane Beals, ME 04611	1.5 million
4. Razor clams, <i>Ensis leei</i>	Downeast Research Institute 39 Wildflower Lane Beals, ME 04611	1.5 million

5. European oysters, <i>Ostrea edulis</i>	Downeast Research Institute 39 Wildflower Lane Beals, ME 04611	1.5 million
6. Bay scallops, <i>Argopecten irradians</i>	Muscongus Bay Aquaculture 24 Seal Ledge Lane Bremen, ME 04551	1.5 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~~

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

5. VICINITY MAP

Note: Please label as: 'Vicinity Map'.

Directions: Using a NOAA Chart or USGS topographic map, show the area within a minimum of one-half mile of the proposed lease site.

The map needs to display the following:

- The waters, 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

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

Directions: If your operations require the use of cages, nets, ropes, trays, or any object (structure) other than the organism to be grown directly on the bottom or buoys to mark the corners of the lease site, you must submit gear drawings and maximum structure schematics (information below). This section is intended to provide accurate plans depicting the physical structures to be placed in the proposed area. All dimensions need to be labeled with the appropriate units (i.e. 10ft, 10in). If you are proposing a bottom lease (no gear), please skip to question “F. Marking”.

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

A. Gear Information

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

1. Gear Drawing: Please include the following for each gear type that will hold organisms to be cultured (e.g. Polar circles, marine algae longlines, oyster cages) and label as “Gear Drawing”. This view must show the following:
 - Length, width, and height of each gear type.
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 <i>(e.g. soft)</i>	Dimension <i>(e.g.)</i>	Time of year gear will be deployed <i>(e.g. Spring,</i>	Maximum amount of this gear type that will be deployed on the site <i>(i.e. 200 cages.</i>	Species that will be grown using this gear type
Surface culture: HDPE Semi-rigid mesh bags w/ floats	18" x 36" x 3"	March-December	600	Eastern oysters and quahogs
Bottom culture: 9" tall HDPE Semi-rigid mesh bags w/ feet	18" x 36" x 9"	Year-round	400	All species
Bottom culture: 6" tall HDPE Semi-rigid mesh bags w/ feet	18" x 36" x 6"	Year-round	400	All species

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 below, 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. |
|---|

A covered work float will be located on-site. The covered work float is important because it provides a stable work station, along with protection from the elements and safety at sea during inclement weather. Please see attached schematic that describes the dimensions, materials, and height above sea level, etc.

- | |
|--|
| 2. Describe the storage and use of oil, gasoline or other hazardous materials on this facility. If petroleum products are to be stored on site, provide a spill prevention plan. |
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No oil, gasoline, or other hazardous materials will be stored on site.
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D. Gear Color

Provide the color of the gear and structures proposed to be used at the lease site.

Floating bags will be black with black floats. Bottom cages will be black. Float will be wood colored. Shed will be white shrink wrap.

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.



Photo 1 taken from Sow and Pigs Island ledge looking east at lower Flying Point (43.806768 -70.063893) on 5/3/20 on a -0.1 low tide. The yellow lines represent the (6) 150' lines of floating bags that will be visible at the surface. The orange lines represent the (8) 150' rows of bags on the bottom which are not visible at the surface.



Photo 2 is taken from Sow and Pigs Island ledge looking SW towards Bustins Island (43.80679 -70.06414) on 5/3/20 on a -0.1 low tide. The yellow area represents the 150' x 43' area where (6) lines of floating bags will be located. The orange lines represent the (8) 150' rows of bags on the bottom which are not visible at the surface. 6.69 acres will be bottom seeded which is not visible from the surface.

F. Marking

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

Yes No

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

N/A

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N/A

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 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 activities are seasonal and timing is dependent on availability and maturity of seed from hatcheries. Seed for all of the species is requested on an annual basis, usually at the beginning of the year. Anticipated delivery of seed is listed below for each species, along with the anticipated amount of time and method of seeding. Seeding for all species occurs by hand.

Eastern oysters: Seeded in March-November by planting directly on bottom or put into the floating or bottom bags. This work may take up to 4 weeks and occur as frequently as 7 days/week during the seeding period.

European oysters: Seeded in March-November by planting directly on bottom or put into oyster bags. This work may take up to 2 weeks and occur as frequently as 7 days/week during the seeding period.

Razor clams: Seeded directly on the bottom in March-June. This work may take up to one week and occur as frequently as 7 days/week during the seeding period.

Artic surf clams: Seeded on bottom and placed into bags in April-June. This work may take up to one week and occur as frequently as 7 days/week during the seeding period.

Bay scallops: Seeded directly on the bottom or placed in bags in May-June. Seeding will occur once per year and depends on timing of seed availability. This activity is expected to take up to 3 days per year.

Quahogs: Seeded directly on the bottom or placed in bags in April-August. This work may take up to 4 weeks and occur as frequently as 7 days/week during the seeding period.

B. Please explain your proposed tending/maintenance activities.

***ALL SORTING WILL BE DONE BY HAND**

Eastern oysters: Tending/maintenance includes washing and flipping bags, sorting and culling oysters, swapping out mesh size bags, removing fouling organisms from bags and cages.

European oyster: Tending/maintenance includes washing and flipping bags, sorting and culling oysters, swapping out mesh size bags, removing fouling organisms from bags and cages. Any shellfish planted on the bottom will require little tending and maintenance, other than monitoring for growth and survival.

Razor clams: Monitoring for growth and survival.

Artic surf clams: Tending includes pulling up bags inside cages and washing them to remove fouling. Bottom planted animals will be monitoring for growth and survival.

Bay scallops: Tending includes pulling up bags inside cages and washing them to remove fouling. Bottom planted animals will be monitoring for growth and survival.
bottom planted

Quahogs: Tending includes pulling up bags inside cages and washing them to remove fouling. Bottom planted animals will be monitoring for growth and survival.

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

All species: Normally, we will be on the farm 5 days per week, depending on the weather and the season, but may be on-site as many as 7 days/week at any given time. This is a year-round operation and the reality is that many of these activities (seeding, tending, maintenance, flipping, harvesting) are combined in each trip. Tending and maintenance activities are most intense in the months of May-November. Floating bags will be flipped once every two weeks during the summer and fall, but this is reduced in the spring and late fall when fouling rates are low. The bottom bags are maintained by swapping out clean bags for fouled bags. Fouling rates are lower in the winter and spring months, thus there is less tending and maintain required at the farm site. Gear removed from the farm site during the winter months will be cleaned and repaired on land during this time as well.

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

Eastern oysters: Harvesting techniques include hand harvesting, raking, snorkeling, scuba diving, small drag (34" x 10"), and emptying oyster bags into fish totes.
European oysters: Harvesting techniques include hand harvesting, snorkeling, scuba diving, rake, small drag (34" x 10"), and emptying oyster bags into fish totes.
Razor clams: Harvesting techniques include hand harvesting, snorkeling, and use of a clam hoe.
Artic surf clams: Harvesting techniques include hand harvesting, snorkeling, emptying clams from bags into fish totes, and use of a clam hoe.
Bay scallops: Harvesting techniques include hand harvesting, snorkeling, emptying scallops from bags into fish totes, and use of a clam hoe.
Quahogs: Hand harvesting, clam hoe, bull rake, dumping bags out, snorkeling, scuba diving, and emptying bags into fish totes.

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

All species: This is a year-round, all weather operation. Harvest will occur year-round up to 7 days/week.

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

G. If gear will not be on the site year-round, please 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.

A majority of shellfish will remain on-site year-round. Floating lines w/ floating bags will be removed from the surface during the winter months if/when severe icing conditions occur. Bottom bags will remain on site year-round and there is no change to bottom bag layout during the winter months. Any gear removed from the site will be stored at my home or at the privately-owned Harraseeket Wharf. Any shellfish moved from the site in the winter will be stored in approved cold storage facilities in Portland, Freeport, or Brunswick.

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?

I will be using a 24' Carolina skiff, but may have to use a replacement boat during this lease period. Any new boats would be a similar make a style skiff ranging from 14-26' with a 9.9 to 130 hp outboard motor. My boat will be onsite regularly, up to 2x per day year-round.

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?

I am requesting the use of a portable, 1500 psi power washer to be used onsite up to 2x/week. The power washer will be powered by a 2500 watt portable generator.

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

The power washer and boat motors are already less than ambient noise levels from marine and recreational use. The power washer will only be used during daylight hours, up to 2x/week for up to 3 hours at a time. I do not intend to reduce the noise generated by power washing.

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.

Up to (5) 300 lumen headlamps will be used at the proposed site.

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

I may work at the site beyond daylight hours during big nighttime tides.

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.
I do not currently hold any existing LPA or aquaculture leases.

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.
N/A

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 approximate depths at MLW range from 1.0- 3.0.’

B. What are the approximate depths at mean high water?
The approximate depths at MHW range from 9-11’.

C. Provide the approximate current speed and direction during the ebb and flow.
Ebb: Southerly, est. less than 2 Flow: Northerly, est. less than 2

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.)?
Shell hash, firm mud
2. Describe the bottom topography (flat, steep rough, etc.).
Mostly flat, mild slope

<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>Razor clams (rare), periwinkles (common), mud snails (abundant), rock crabs (rare), green crabs (common), quahogs (rare), European oysters (rare)</p>
<p>4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.</p>
<p>No, there are no shellfish beds or fish migration routes in the surrounding area.</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>According to the Maine DMR Aquaculture Map (2013 and 2018 eelgrass layers), there is no eelgrass present at this proposed location. Personal observations at this site in the past 5 years also confirm that there is no eelgrass present.</p>
<p>6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)</p>
<p>The shoreline and adjacent upland are rocky and forested. There is a seasonal camp on Sow and Pigs Island.</p>

<p>E. Is your proposed lease located within a Maine Department of Inland Fisheries and Wildlife designated Essential Habitat?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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

<p>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.</p>
<p>1. Commercial Fishing</p> <p>No commercial fishing has been observed at this location.</p>
<p>2. Recreational Fishing</p> <p>No recreational fishing has been personally observed at this location.</p>

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

No boating has personally been observed inside the proposed lease boundaries. The approximate distance to the deep water navigable channel to the SE is approximately 1,250'.

4. Riparian Ingress/Egress

Based on satellite images and navigational charts, deep water access to Sow and Pigs Island is the channel to the south and there appears to be one dock and mooring located on the western shore of Sow Island. The proposed lease and activities will not interfere with riparian ingress and egress.

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

Kayakers have occasionally been observed near this location in the summer months.

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.

Yes, there is one private dock and one mooring located within 1,000' of the proposed lease. The dock is approximately 371' away from the closest SE lease boundary (coordinate #6) and the mooring is approximately 214' away.

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.

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.

If the proposed lease is granted, all activities (including any existing uses) will be permitted within the boundaries of the site with the exception of commercial dragging for shellfish. Recreational fishing, commercial fishing (except dragging), lobstering, swimming, kayaking, paddle boarding, boating, bird watching and any other possible uses are compatible with and allowable within proposed lease boundaries.

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 the section titled: “19. Landowner/Municipal Permission Requirements”.

<p>B. Will your access to the lease area be across riparian land?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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Note: If you selected yes, you will need to complete the landowner permission requirements included in “19. Landowner/Municipal Permission Requirements” of this application.

<p>C. How will you access the proposed site?</p>
<p>I will access the proposed site from a boat slip located at the Harraseeket Wharf in South Freeport. At times, I may also access the proposed site from the Mere Point boat launch and/or Bethel Point launch.</p>

<p>D. How will your proposed activities affect riparian ingress and egress?</p>
<p>My proposed activities will not affect riparian ingress and egress.</p>

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: Freeport

MAP #	LOT #	Landowner name(s) and address(es)
ISL	SOW AND PIGS ISLAND	Island Realty Trust 5 BRENTHAM ROAD NORTH BILLERICA, MA 01862 ✓
ISL	PETTINGILL ISLAND	John Gould & Andrew Reid 221 Hodsdon Road Pownal, ME 04069 ✓
		Additional Map/Lot/Landowner name(s) and address(es) list on attached sheets

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Christine Wolfe, Town Clerk for the Town of Freeport, 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: Christine Wolfe DATE: 6/13/2020



MAP #	LOT #	Landowner name(s) and address(es)
5A	1	Eric Peterson 48 Huckleberry Lane East Hampton, MA 01027
5A	3	Philip and Susan Clifford 65 Merganser Way Freeport, ME 04032
5A	3A	Carol Peterson 48 Huckleberry Lane East Hampton, MA 01027
5A	6	Davis Norris and Marilyn Kunelius 635 Stow Road Stow, ME 04037
5A	7	Philip and Susan Clifford 65 Merganser Way Freeport, ME 04032
5A	8	Island Realty Trust 5 Brentham Road North Billerica, M
5A	9	Thomas and Catherine Wilbur 50 Merganser Way Freeport, ME 04032
5A	10	Jules and Laura Vitali 44 Merganser Way Freeport, ME 04032
5A	10A	Thomas Wilbur and Catherine Carty-Wilbur 50 Merganser Way Freeport, ME 04032
5A	11A	Mary M Dyche Revocable Trust 61 Bayhead Lane Osprey, FL 34229
5A	11-ETC	Abigail and Donnelly Douglas 38 Merganser Way Freeport, ME 04032
5A	13-1	Jeff and Allison Smith 8 Maurerbrook Drive Fishkill, NY 12524
5A	14	Peter Shepard and Karen Doyle 207 Ravenscliff Road Wayne, PA 19087
5A	18	Theresa and Brian Bubar 17 Merganser Way Freeport, ME 04032
Bustins Island	BA25	Marc Woodworth & Emily Hanson PO Box 722 Saratoga Springs, NY 12866

Bustins Island	BA28	Marc Woodworth & Emily Hanson PO Box 722 Saratoga Springs, NY 12866
Bustins Island	BA28B	Marc Woodworth and Emily Hanson PO Box 722 Saratoga Springs, NY 12866
Bustins Island	BA32	Stephen Kirkland and Theodora Martin 60 Liberty Avenue Lexington, MA 02420
Bustins Island	BA32A	Stephen Kirkland and Theodora Martin 60 Liberty Avenue Lexington, MA 02420
Bustins Island	BA33	Margaret Garfield 423 Alpine Terrace Ridgewood, NJ 07450
Bustins Island	BA35	Bustins Island Village Corp PO Box 22 South Freeport, ME 04078
Bustins Island	BA36	Stephen Kirkland and Theodora Martin 60 Liberty Avenue Lexington, MA 02420
Bustins Island	BA37	Stephen Kirkland and Theodora Martin 60 Liberty Avenue Lexington, MA 02420
Bustins Island	BA52	Three Birches LLC c/o William Clark 36 Longfellow Avenue Brunswick, ME 04011
Bustins Island	BA54	Christine Martens and Douglas Gerry 37 Overlook Drive Northport, ME 04849
Bustins Island	BA55	Kim Larson 27 Linden Avenue Rutledge, PA 19070
Bustins Island	BIVC municipal & recreational	Bustins Island Village Corp PO Box 22 South Freeport, ME 04078
Bustins Island	BE168	Shawn Bohem and Courtney Halcyone 675 College Hill Road Woodstock, VT 05091

15. TECHNICAL CAPABILITY

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

I was raised and attended school in Freeport and grew up around commercial fishing. I currently work as a sternman on boats out of Harpswell. In addition to lobstering, I have held a student shellfish license in the Town of Freeport, worked for Downeast Research Institute at their shellfish nursery, worked on multiple commercial oyster farms, and harvested wild shellfish. Furthermore, I can run and maintain a boat and having experience working with all of the gear associated with shellfish aquaculture.

16. FINANCIAL CAPABILITY

A. Financial Capability

Please provide documentation to show you have the financial resources to implement the proposal. For example, you may submit a letter from a financial institution or funding agency indicating that you have an account in good standing, or their willingness to commit funds.

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

Please see attached letter from my financial institution that indicates that I have an account in good standing.

B. Cost Estimates

Please provide cost estimates of the proposed aquaculture activities.

The estimated cost of the proposed aquaculture activities is roughly \$20,000.

17. ESCROW ACCOUNT OR PERFORMANCE BOND

Check the category that describes your operation:

Check Here	Lease Category	Amount of Required Escrow or Performance
<input type="checkbox"/>	No gear/structure, no discharge	Non
<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) Bailey Coffin 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.

Bailey Coffin
 Applicant Signature
 Note: Add title if signing on behalf of a corporate applicant.

5/8/20
 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 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
 Note: Add title if signing on behalf of a corporate applicant.

 Date



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: Bailey Coffin Bailey Coffin

Title (if corporate applicant): _____

Signature: Bailey Coffin Date: 5/8/20

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(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: _____



n/a

19. LANDOWNER/MUNICIPAL 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.

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.

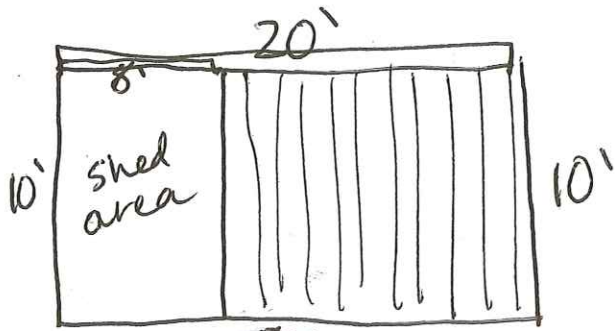
Does the municipality, where the proposed site is located, have a shellfish conservation program? Yes No

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.

22

On-site Support Structure

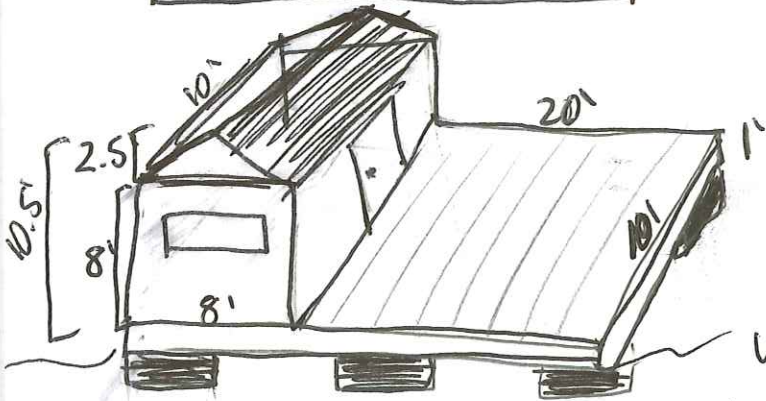


Overhead View

The float measures 10' x 20' and is constructed of wood and hard plastic floats.

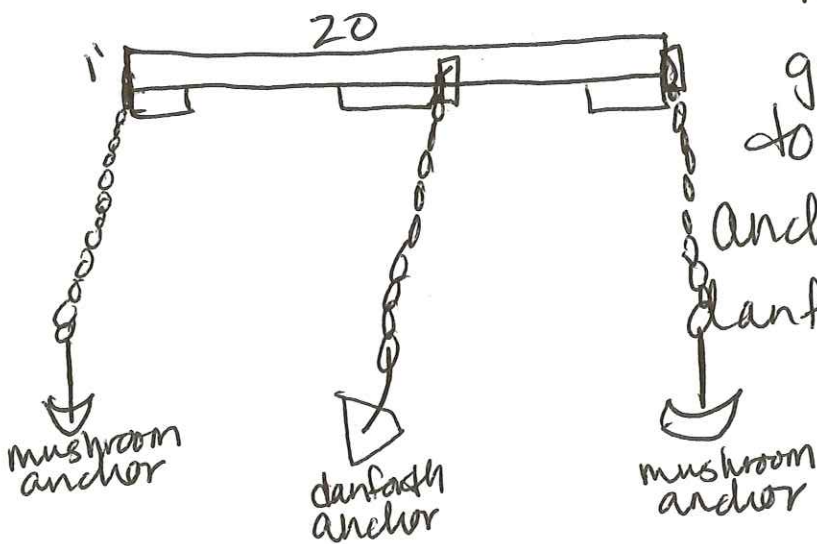
Float with Shed

The shed on top of the float measures 8' x 10' x 10.5' h and is constructed of a wood frame w/ clear or white color shrink wrap.



The roof will also be white or clear shrink wrap. Float sits 1" above the water line.

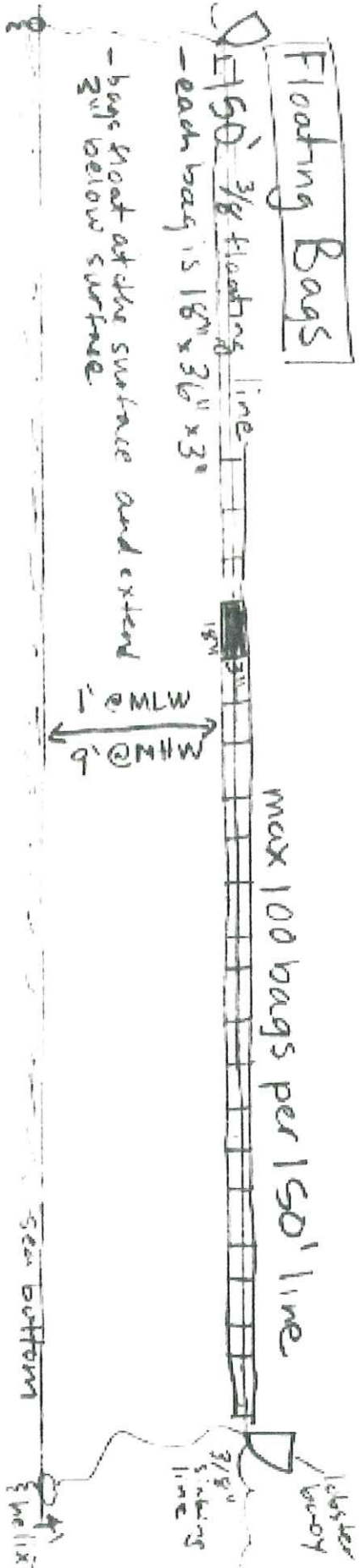
Mooring



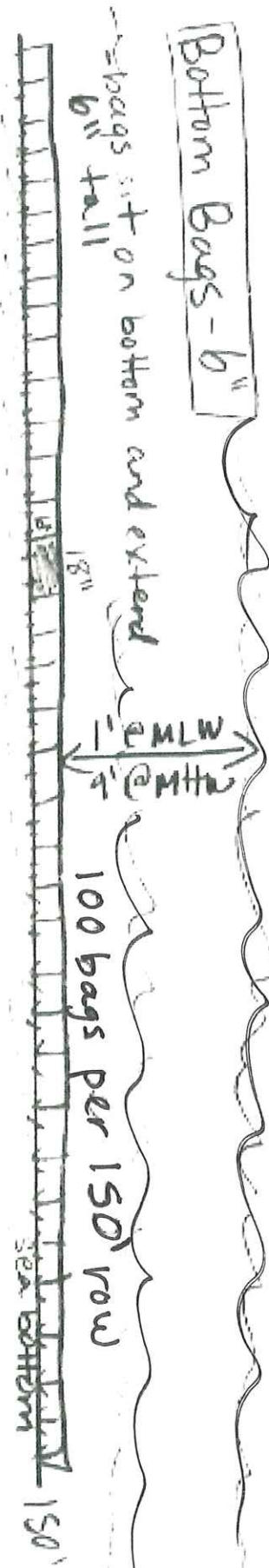
The float will be moored with 3/8" galvanized chain attached to (2) 75 lb mushroom anchors and (1) 43 lb. danforth anchor, 2:1 scope.

Cross-Section View (B2)

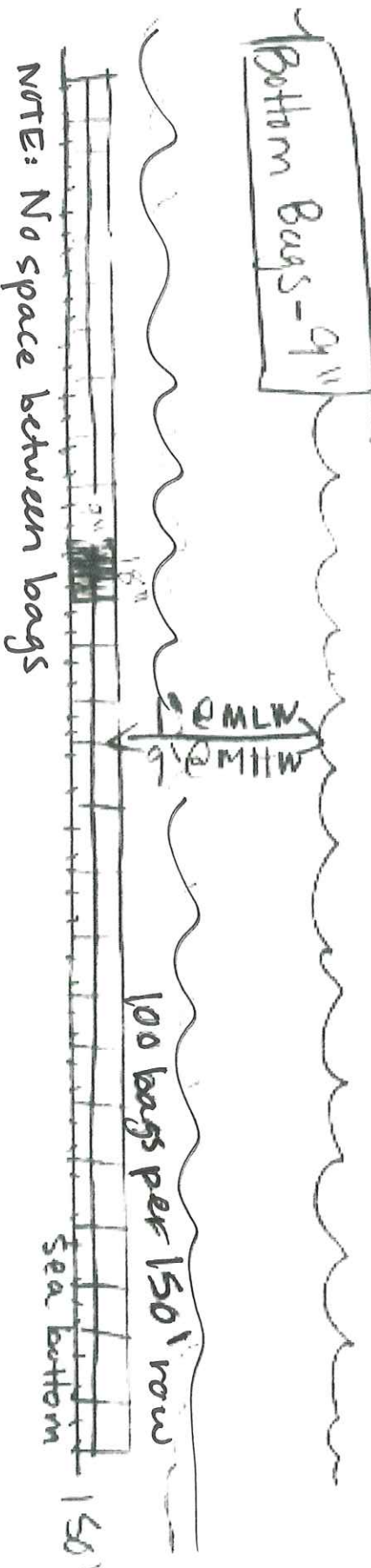
Floating Bags



Bottom Bags - 6"



Bottom Bags - 9"



NOTE: No space between bags

Boundary Map

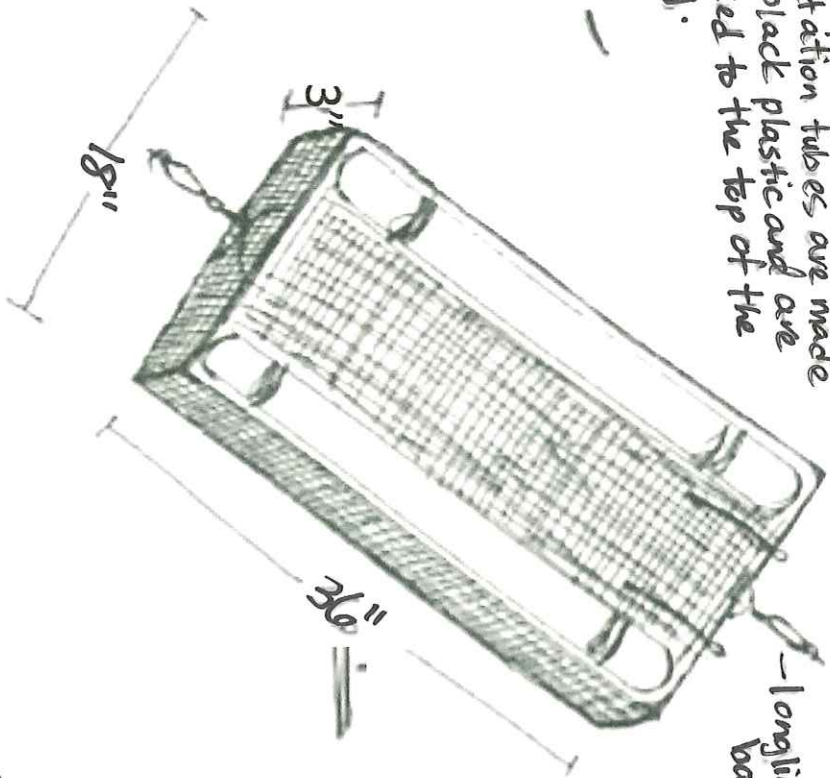
- 1) 43.805285 -70.066859
- 2) 43.806512 -70.066297
- 3) 43.806797 -70.065845
- 4) 43.806911 -70.064925
- 5) 43.806778 -70.064651
- 6) 43.805171 -70.064472



Google Earth
© 2020 Google
WGS 1984

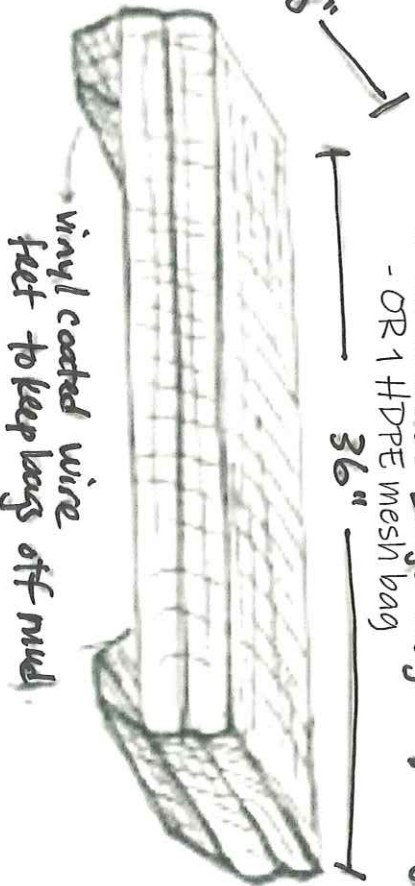
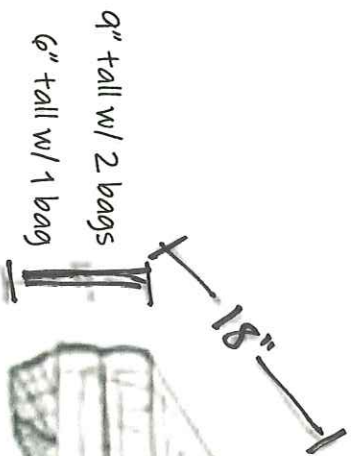
FLOATING MESH BAGS

- black plastic mesh (HDPE)
- floatation tubes are made of black plastic and are affixed to the top of the bag.



- longline clips to attach bags to longlines

GEAR DRAWINGS



Mesh Bags w/ wire
 FEET (for use on bottom)
 - 2 HDPE mesh bags hinged together
 - OR 1 HDPE mesh bag

Overhead View



Bottom Bags
Max # 800, 8 rows

Each orange line represents (1)
3' x 150' row of bottom bags.
Approximate spacing between
each piece of gear is 0" with no
space between rows.



Floating Bags
Max # 600, 6 lines

Each black line represents (1)
floating line that measures 3' x
150'. Approximate spacing be-
tween lines = 5'. The total space
used for floating gear is 43' x 150'

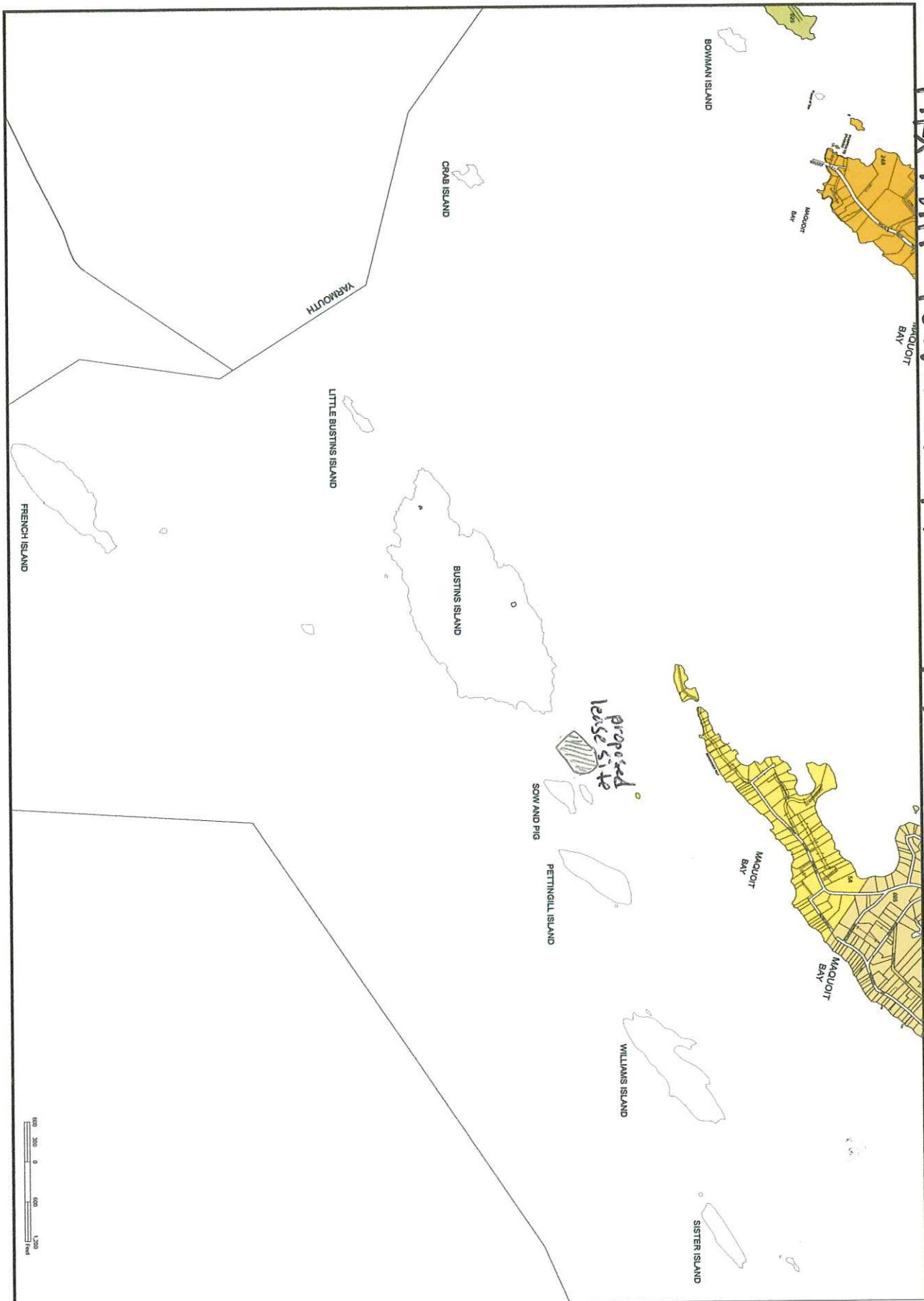
SOW AND PIGS
ISLAND

BUSTINS ISLAND

Imagery Date: 9/27/2014 lat 43.805671° lon -70.064872

Overhead view not to scale

TAX MAP TOWN OF FREEPORT - ISLANDS



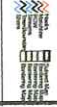
PROPERTY MAPS
TOWN OF FREEPORT, MAINE



James H. Thomas
Cumbrians of Maine
jht@maine.rr.com

These maps are intended to be used for the purpose of Property Tax Assessments and should not be used for conveyances.
Revised to April 1st

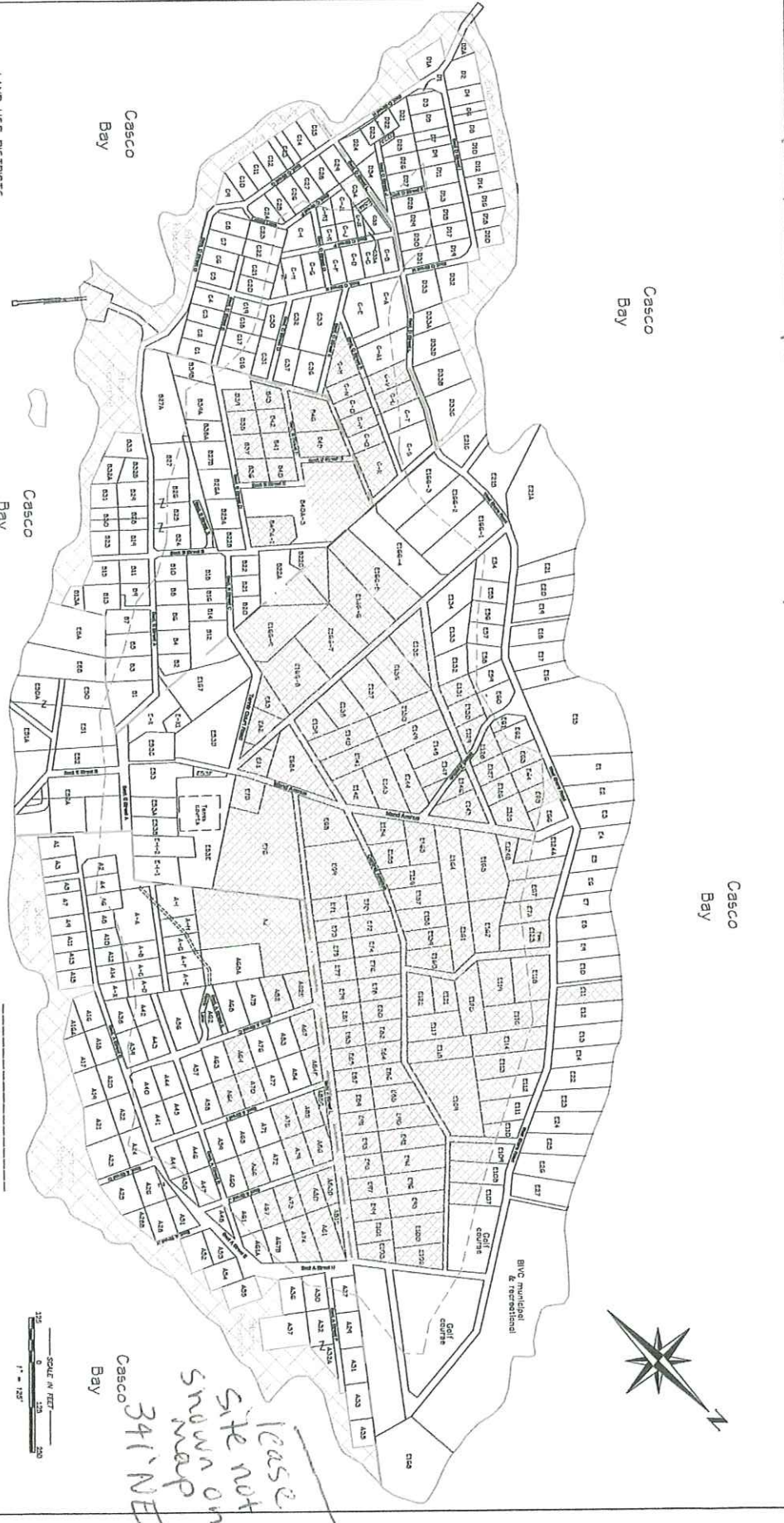
Scale: = 000



2019
MAP: ISL

62

TAX MAP TOWN OF PRESPORT-BUSTINS ISLAND



lease site not shown on snow map
 Casco Bay 341' NE

- LAND USE DISTRICTS**
- Shore Reserve
 - Resource Protection District
 - Upland limit of Shoreland district
 - Approximate "normal" Right of Way line
 - Section line

NOTES

1) The location of "normal" Right of Way and of the Shoreland Zone shown hereon is approximate, based on 1978 photogrammetry by the James Sewell Co. of Old Town, Maine. Normal Right of Way is to be set back above mean tide, as shown on the Small plan.

2) The current Zoning Ordinance defines a Shoreland District, which is to begin at the normal high water line and extend inland 400 feet and extend 100 feet on the intertidal area 400 feet.

3) Lot lines shown hereon are approximate, and are intended solely for the purpose of parcel identification. For more precise information, refer to the original survey records of the Cumberland County Registry of Deeds.

Revised to show changes made by the Board of Selectmen through 2013.

John Bradley Wood
 Professional Land Surveyor

Clerk, Bustins Island Village Corporation

Chairman, Planning Board

STATE OF MAINE
 CUMBERLAND, ss.
 Received _____ H. _____ V. _____ M. and _____

Recorded in Plan Book _____ Page _____

ATTEST: _____ REGISTRAR

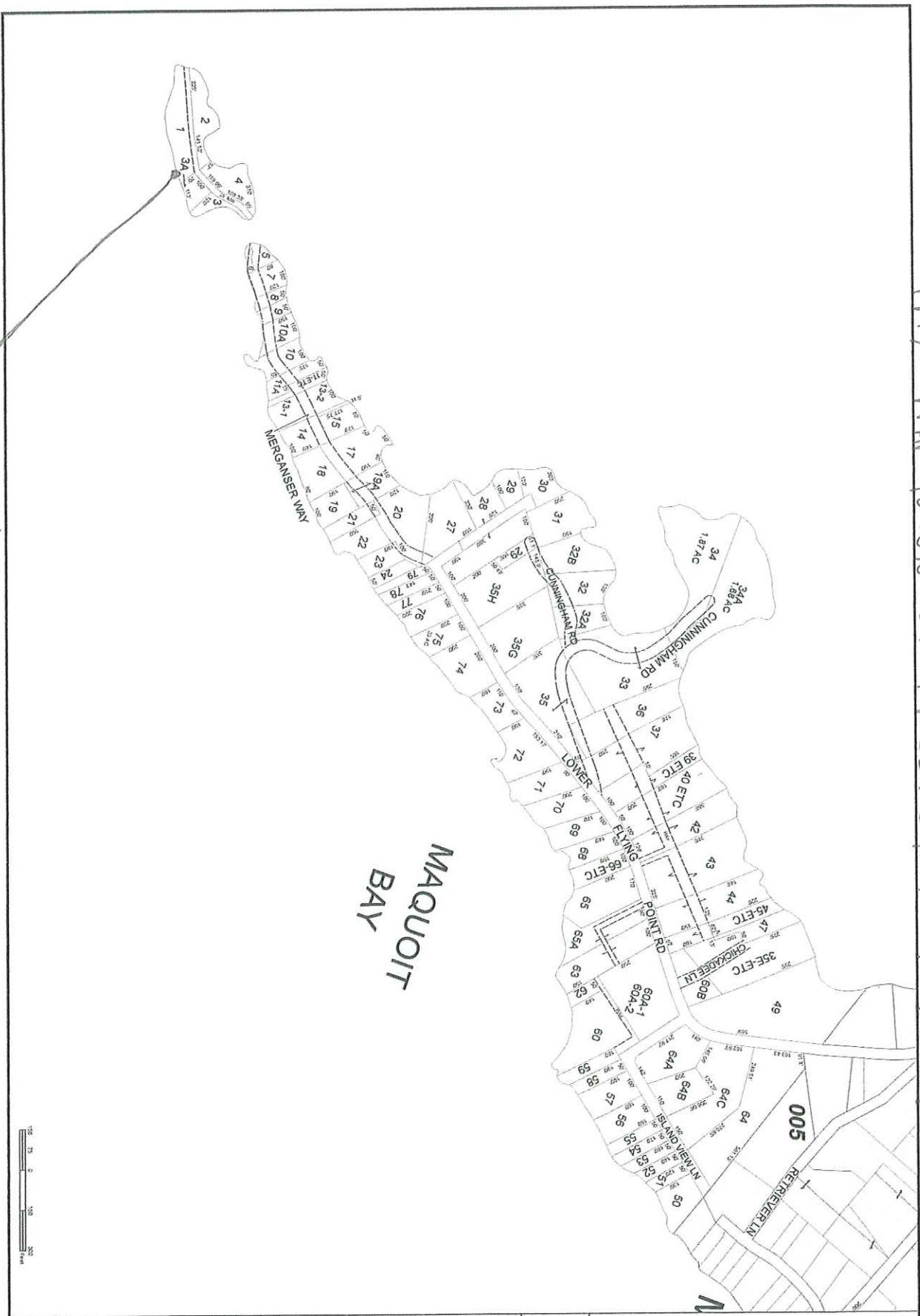
Zoning Map
 Bustins Island of Freeport, Maine
 made for
 Bustins Island Village Corporation
 August 1, 2013

100 Shaker Hill Road
 Freeport, Maine 04035



TAX MAP TOWN OF FREEPORT - FLYING PT.

13



lease site not shown on map -
1,347' SE

	<p>PROPERTY MAPS TOWN OF FREEPORT, MAINE</p>	<p>James H. Thomas gis@maine.net Cumberland, Maine Used for the purpose of Property Tax Assessments and should not be used for conveyances. Revised to April 1st</p>	<p>Scale: = 1:50</p>	<p>2019 MAP: 5A</p>
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Federal Credit Union

May 5, 2020

To whom it may concern:

This letter is to verify that **BAILEY A COFFIN** has an open and active account with Atlantic Federal Credit Union. This account is open, active and in good standing with the Credit Union. The information needed is shown below.

Routing: [REDACTED]
Savings: [REDACTED]
Checking: [REDACTED]

Should you need further assistance please contact the credit union at 800-639-2802.

Thank you,

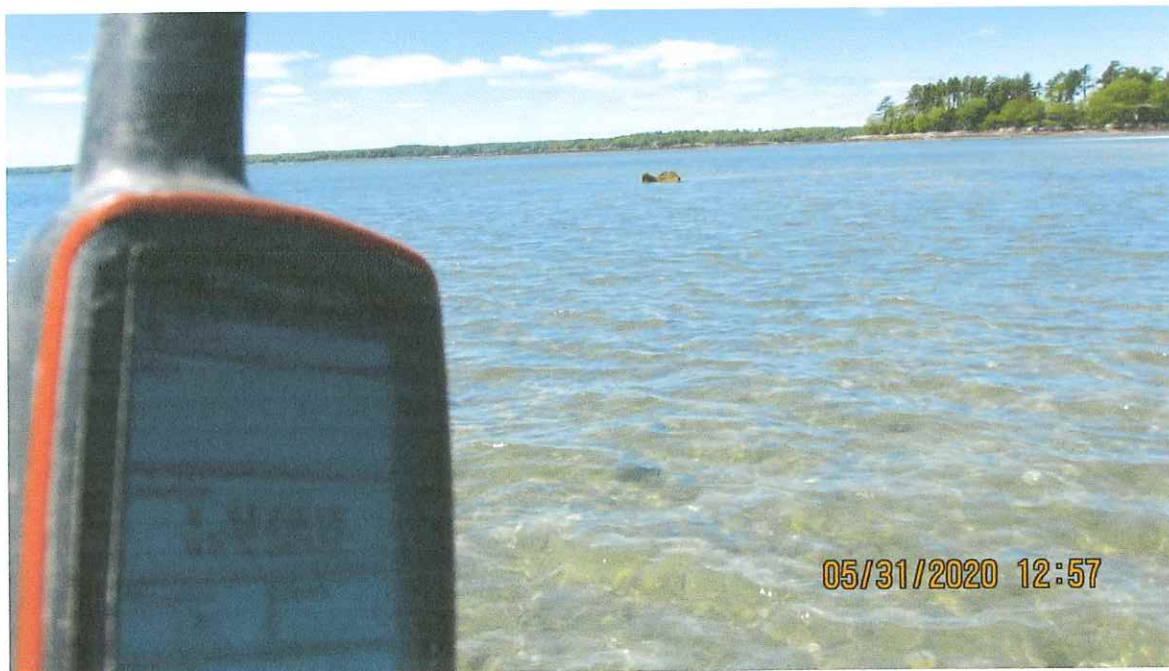
Brittany Mansfield
Head Teller, South Sanford



Federal Credit Union
1516 Main Street
Sanford, Maine 04073
800.639.2802 ext. 5039
www.atlanticfcu.com

2) Proposed Lease Site Information—Provide proof that the site is subtidal. Proof would include a timestamped geolocated photo of the water line at mean low water.

PHOTOS OF PROPOSED LEASE SITE AT MLW



These photos were taken at on a 0.0 low tide on 5/31/20 at 12:57 and 12:58 p.m. near the NE corner of the proposed lease site. The top photo shows the proposed lease site looking north to south towards Bustins Island. The bottom photo looks across the proposed lease site from east to west.

PHOTOS OF NEAREST INTERTIDAL AREA

(NOTE: THE AREA SHOW IN THESE PHOTOS IS NOT PART OF THE LEASE SITE)



This photo was taken on a 0.0 low tide on 5/31/20 at 12:56 p.m. from 43.80658 N -70.06394 W. I am standing near the NE corner of the proposed lease site looking NW at the adjacent intertidal bar far outside the proposed lease site. On the right side of the photo is Sow and Pigs Island and the peninsula in the top of the photo is Flying Point. The intertidal bar is approximately 350' away from proposed lease site.

DELINIATION OF THE MLW LINE USING HANDHELD GPS



A survey was conducted on 5/31/20 to map the MLW line on a 0.0 tide. A handheld GPS was used to walk along the shoreline in ankle deep water. The blue line depicts the MLW line and the polygon with the yellow corner markers is the proposed lease site.

FREEPORT TIDE CHART FOR 5/31/20

Tides for South Freeport starting with May 31, 2020.

Day	High /Low	Tide Time	Height Feet	Sunrise Sunset	Moon	Time	% Moon Visible
Su 31	Low	12:23 AM	0.9	5:01 AM	Set	2:18 AM	57
31	High	6:37 AM	9.5	8:15 PM	Rise	2:02 PM	
31	Low	12:56 PM	0.0				
31	High	7:19 PM	9.6				