

EXPERIMENTAL LEASE APPLICATION

1. APPLICANT CONTACT INFORMATION

Applicant	Jeffrey Schroeder
Contact Person	Jeffrey Schroeder
Address	PO Box 94
City	Port Clyde
State, Zip	ME, 04855
County	Knox
Telephone	207-706-6567
Email	Jeffschroeder1@yahoo.com
Payment Type	<input checked="" type="checkbox"/> Check (included) <input type="checkbox"/> Credit Card

Note: The email address you list here will be the primary means by which we will contact you. Please provide an email address checked regularly. If you do not use email, please leave this blank.

2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	St. George
Waterbody	St. George River
General Description (e.g. south of B Island)	Turkey Cove
Lease Information	
Total acreage (4-acre maximum) and lease term (3-year maximum) requested	0.90 acres
Type of culture (check all that apply)	<input type="checkbox"/> Bottom (no gear) <input checked="" type="checkbox"/> Suspended (gear in the water and/or on the bottom) <input type="checkbox"/> Net Pen (finfish)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

3. GROWING AREA DESIGNATION

Directions: Information for growing area designations can be found here:
<https://www.maine.gov/dmr/shellfish-sanitation-management/closures/index.html>

Growing Area Designation (e.g. "WL"):	WU
Growing Area Section (e.g. "A1"):	A

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 or juveniles	Maximum number (or biomass) of organisms you anticipate on the site at any given time
1. American Oyster	Muscongus Bay Aquaculture PO Box 204 Bremen, ME 04551	150,000
2. Sea Scallop	TBD	2,000
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

Note: You may embed the maps within the document, or attach the maps to the end of your application. If you attach the maps, please label them according to the instructions provided below. If you attach the map, please label it: 'Vicinity Map'.

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

The map needs to display the following:

- The waters, shore lands, and lines of mean high and mean low water within the general area of the lease
- An arrow indicating true north
- A scalebar
- The approximate lease boundaries

6. BOUNDARY DRAWING

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

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

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

7. RESEARCH PROGRAM AND OPERATIONS

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

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

Please note:

a) Product grown on experimental leases for scientific research cannot be sold. Results of scientific research are 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 the study is to conduct commercial research to determine if the lease is suitable for long-term oyster cultivation. The study will measure the seasonal temperature changes, turbidity, salinity, tidal flow, tidal variation and potential for run off and pollution. Oysters will be placed into suspended bags in different densities and types of gear to determine the best system for the site.

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

Oysters obtained from Muscongus Bay Aquaculture and measuring a half inch to one inch will be placed in black suspended oyster bags and Oystergro cages on the site. Measurements will be taken throughout the season to measure new growth and general health observations. As growth occurs, oysters will be placed into larger mesh floating bags at a decreased density based on size of the animal. Every 2-3 weeks, bags will be flipped to dry out fouling and cause chipping of the new growth to encourage thicker shell development.

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

Set up of the farm including mooring and long line emplacement will occur in April as river temperatures begin to warm up. Seeding of oysters will occur between May and June once 1/2" - 1" seed is purchased from local hatcheries. After June, normal tending and maintenance activities will occur as described below. Once the river temperature drops below 50 degrees, usually around Oct/Nov, oysters will either be sold or placed into oyster gro-cages and sunk on the lease site or stored on dry land. By the end of December, all oyster bags should be removed from the lease and oysters sunk to the bottom in gro-cages

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

During initial set up of the farm and seeding, I will be at the farm almost daily as the work load will be high. Once the oysters are seeded in June, the frequency will drop to 3-5 times a week. During harvesting periods in year 2, I will be at the farm 5 days a week.

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

Flipping cages – every 2-3 weeks
Grading oysters – every 3-4 weeks
General gear/mooring maintenance – As needed
Observation and measurement – Weekly
Washing – Every 2 weeks
Sales (Years 2-3) – Weekly

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

Oysters will grow to market size in suspended or floating mesh bags or Oystergro cages. Bags will be unclipped from the long lines and placed into a Carolina skiff boat and taken to either the floating raft or a land-based site for grading, washing and bagging. Oysters will be washed down using a small “Pacer” water pump and engine with a muffler to reduce noise. A 12x16 raft will be used to hold oysters prior to bagging and delivering to customers. The raft will also be used for sorting oysters and drying equipment.

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.

Suspended bags will be removed from the site. I will use 4-bag Oystergro cages to sink oysters to the bottom of Turkey Cove for overwintering. The depth will allow the oysters to be below any potential ice that could occur. I also plan on experimenting with storing oysters on dry land in my garage.

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?

- 16-20 foot Carolina skiff with an outboard motor – daily use
- Small low pressure “Pacer” pump with a 5 horsepower Honda gas engine for washing – every 2-3 weeks
- I will utilize a raft for grading, washing and bagging the oysters for market. Grading will initially occur through hand sorting but by years 2-3 may involve using a motorized tumbler.

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

- For bird waste I will flip the bags bi-weekly, experiment with zip ties sticking up from bags and move oysters to the raft prior to sales. The oysters will remain on the raft at least a week prior to sales. The oysters in the raft are in mesh cages that hang below the raft. There are wooden lids that cover each cages so they are not exposed to bird feces as they are in the mesh bags on the farm. In addition to the lids, I will experiment with a “string” system on the raft using a pole on one end attaching strings that run to various points on the raft. This should create a “web” system that will deter birds from landing.

K. Suspended culture gear can attract birds that roost on the gear and defecate, potentially creating a pollution source impacting shellfish held within the gear. In order to comply with the National Shellfish Sanitation Program (NSSP) Model Ordinance (MO), DMR is requiring that applications for the suspended culture of shellfish include a description of mitigation or deterrent measures to minimize the potential pollution impacts of birds at the proposed site. If appropriate, include sketches or photos that clearly depict those measures put into practice.

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 site will employ zip ties on bags to deter roosting birds; bi-weekly flipping of bags to clean off waste and “purging” oysters on the raft prior to sales. In addition to the lids on the raft, I will experiment with a “string” system on the raft using a pole on one end attaching strings that run to various points on the raft. This should create a “web” system that will deter birds from landing.

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.

<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 c) frequency, and d) proximity to the lease site for each existing use.</p>
<p>1. Commercial Fishing</p> <p>There are a few lobster traps located closer (~600ft from farm) to the main channel of the St. George River. Pogie fishing occurs in Turkey Cove in mid-summer around 400 feet from the farm. Clam diggers use the innermost portion of the cove at low tide to harvest clams from the exposed mud in the intertidal area. The clamming area begins at 1000 feet from the farm (Note – I am the shellfish warden for the area).</p>
<p>2. Recreational Fishing</p> <p>Some residents may use Turkey Cove for recreational fishing. I have not personally observed this.</p>
<p>3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)</p> <p>Residents use kayaks, paddle boards, sailboats, and motorboats on Turkey Cove. Traffic is very sparse. I moved the farm further east in 2022 to be out of the way of any sailboats after discussions with local residents. Sailboats may navigate 150 feet from the farm without issue. I have seen kayaks, rowboats and paddleboards approach the farm 3-4 times through the summer. They go right up to the bags to observe the oysters without touching any gear. The main navigable channel in the St. George river begins at a ½ mile from the farm.</p>
<p>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.)</p> <p>I have placed the farm in location that keeps it out of the way of all moorings and is far enough up in the cove to avoid lobster boat activities.</p>
<p>5. Other uses (kayaking, swimming, etc.)</p> <p>Residents swim in Turkey Cove but I have not personally observed this.</p>
<p>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.</p> <p>Last year there was a large sailboat at the mooring 380 feet to the west belonging to the a family who owns the adjacent property. They are aware of the current oyster farm at proximity to the boat. The other mooring 500 feet to the south only has a mooring buoy and is not currently used. I suspect it is used for transient sailboats who are guests of the residents.</p>

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.

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>

My wife and I have 4 total LPAs within the proposed farm site. The leases will expire prior to the execution of this experimental lease. The following leases will expire: JSCH922, 1022, 1122. My wife's lease, TSCH522 will expire in lieu of the experimental lease.

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.

JSCH922, 1022, 1122. TSCH522. Will let these expire in lieu of the experimental lease. At JSCH820, I will retain this lease. This site is used for a floating raft where I place the oysters 1-2 weeks prior to sale. Finishing the oysters on the raft results in a saltier flavor and cleaner shell. Please see attached slides for photos of the raft

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.

We will let the LPAs expire in lieu of the experimental lease

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.

Fishing activities, sailing and motorboating would be excluded within the boundaries of the lease site. Kayaking, paddle boarding and swimming would be allowed.

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?

4-14 feet

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

16-26 feet

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

2.5mph flow in a SW to NE direction.

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

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

The bottom is primarily soft mud at least 8" deep

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

Flat bottom

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?

In my gear, in 2021, I have personally observed juvenile green crab, eels, soft shell clams, tunicates, mussels, red crab. Compared to my former lease location on Broad Cove, I feel there are fewer mussels. In terms of abundance:

- Mussel – the most abundant of the fouling organisms with dozens of ¼” mussels in each bag throughout the summer

- Soft shell clams – none observed in 2022 on the farm, many dozen observed in 2021 due to a different bag configuration that attracted more fouling.

- Juvenile green crab – none observed in 2022 on the farm, two dozen observed in 2021 due to a different bag configuration that attracted more fouling

- Eels – sparse. I observed 5-10 total every season in the bags or trays

- Tunicates – the slimy stuff that gets on the bags. On every bag in the summer when water temps are above 60. Very little observed in the Fall.

- Red crab – rare. 1-2 observed each season

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

The intertidal area of Turkey Cove is used for clam digging exclusively in the mud flat areas. I am not aware of any natural shellfish beds including mussels, oysters or clams beyond the clam mud flats. Residents have reported a loss of natural mussel beds over the past 30 years.

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

There is a 6.56-acre eelgrass bed located 150 meters east of the proposed LPA per 1995 DMR map. As of August 2022, I did not personally observe eel grass.

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

There are several houses along Turkey Cove with forest and some open grassy areas.

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
Soft mesh bags	33"L x 17"W x 5"H	Mar-Dec	Up to 600 bags	American Oyster
Oystergro cage	40"L x 36"W x 22"H	Year round. Sunk from Dec-Apr	6 gro-cages	American Oyster
100 lb anchors	36"H x 18"W	Year round	10	
Raft	18'1" x 9'4"	Mar-Dec	1	American Oyster
Raft mesh inserts	29"x29"x48"	Mar-Dec	4	American Oyster
Raft trays	26.25"x26.25"x5.25"	Mar - Dec	24	American Oyster
Oval Buoys	22"L x 10"W	Apr-Dec	10	
Round Buoys	10" diameter	Apr-Dec	9	

D) Gear Drawing (please label this "Gear Drawing").

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

13. MARKING

Will you be able to mark your site in accordance with DMR regulations, Chapter 2.80? In part, this requires marker buoys which clearly display the lease ID and the words SEA FARM to be located at each corner of the lease. Effective January 1, 2023, marker buoys must be yellow and host reflective material.

Yes No

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

2.80 Marking Procedures for Aquaculture Leases

1. When required by the Commissioner in the lease, aquaculture leases shall be marked with a floating device, such as a buoy, which displays the lease identifier assigned by the Department and the words SEA FARM in letters of at least 2 inches in height in colors contrasting to the background color of the device. The marked floating device shall be readily distinguishable from interior buoys and aquaculture gear. **I CONCUR WITH THIS LINE**

2. The marked floating devices shall be displayed at each corner of the lease area that is occupied or at the outermost corners. In cases where the boundary line exceeds 100 yards, additional devices shall be displayed so as to clearly show the boundary line of the lease. In situations where the topography or distance of the lease boundary interrupts the line of sight from one marker to the next, additional marked floating devices shall be displayed so as to maintain a continuous line of sight. **THIS LINE DOES NOT APPLY AFTER JANUARY 1, 2023 PER THE RULE CHANGE IN PARA 2.A.1 BELOW:**

A. Effective January 1, 2023 the marking procedures for aquaculture leases are as follows:

1. Except for a lease site that has received a Private Aid to Navigation permit from the United States Coast Guard, aquaculture leases shall be marked with yellow floating devices, such as buoys, which display the lease acronym assigned by the Department and the words SEA FARM in letters of at least 2 inches in height in colors contrasting to the background color of the device. The yellow floating devices shall be displayed at each corner of the lease area that is occupied or at the outermost corners. The yellow floating devices shall be readily distinguishable from interior buoys and aquaculture gear and shall host reflective material. In cases where the boundary line exceeds 200 yards, additional devices shall be displayed so as to clearly show the boundary line of the lease. In situations where the topography or distance of the lease boundary interrupts the line of sight from one marker to the next, additional marked floating devices shall be displayed so as to maintain a continuous line of sight. **I CONCUR WITH THIS PARAGRAPH. THE LENGTH OF MY LINE IS 118 YARDS SO NO ADDITIONAL DEVICES ARE REQUIRED.**

2. Sites that have received a Private Aid to Navigation permit from the United States Coast Guard must have the lease acronym assigned by the Department and the words SEA FARM clearly displayed on the site. **I CONCUR**

3. When such marking requirements are unnecessary or impractical in certain lease locations, such as upwellers located within marina slips, the Commissioner may set forth alternative marking requirements in an individual lease. **I CONCUR**

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, 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 “17. 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 “17. Landowner/Municipal Permission Requirements” of this application.

<p>C. How will you access the proposed site?</p> <p>Boat</p>

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: St. George

MAP #	LOT #	Landowner name(s) and address(es)
211	003	Emma J. Sewell 10 Happy Dirt Road Tenants Harbor, ME 04860
211	007	Turkey Cove LLC c/o Charles Merrill 43 Skippers Way Tenants Harbor, ME 04860
207	022	Phillip Thomas 2100 Kings Hwy #768 Port Charlotte, FL 33980
206	073	Turkey Cove Glenmerc LLC 31 Garden Place Brooklyn, NY 11201
211	001	Kenneth Hyszczak 370 Marlborough St, Unit 5 Boston, MA 02115
211	002	Susan Marine 31835 Oak Ridge Avenue Way Lake City, MN 55041
211	010	Arthur Merrow 357 Turkey Cove Rd Tenants Harbor, ME 04860
211	011	
211	012	Vernon Thompson PO Box 176 Port Clyde, ME 04855

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Tara Elwell , Deputy Town Clerk for the Town of St. George 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: Jana L Shurell DATE: 12/13/2022

15. ESCROW ACCOUNT OR PERFORMANCE BOND

Check the category that describes your operation:

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

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

I, (printed name of applicant) Jeffrey Schroeder have read DMR Aquaculture Regulations 2.64(12)(B) 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.



12/13/22

Applicant Signature

Date

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

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

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

Applicant Signature

Date


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

16. APPLICANT SIGNATURE PAGE

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

Printed name: Jeffrey Schroeder

Title (if corporate applicant): _____

Signature:  Date: 12/13/22

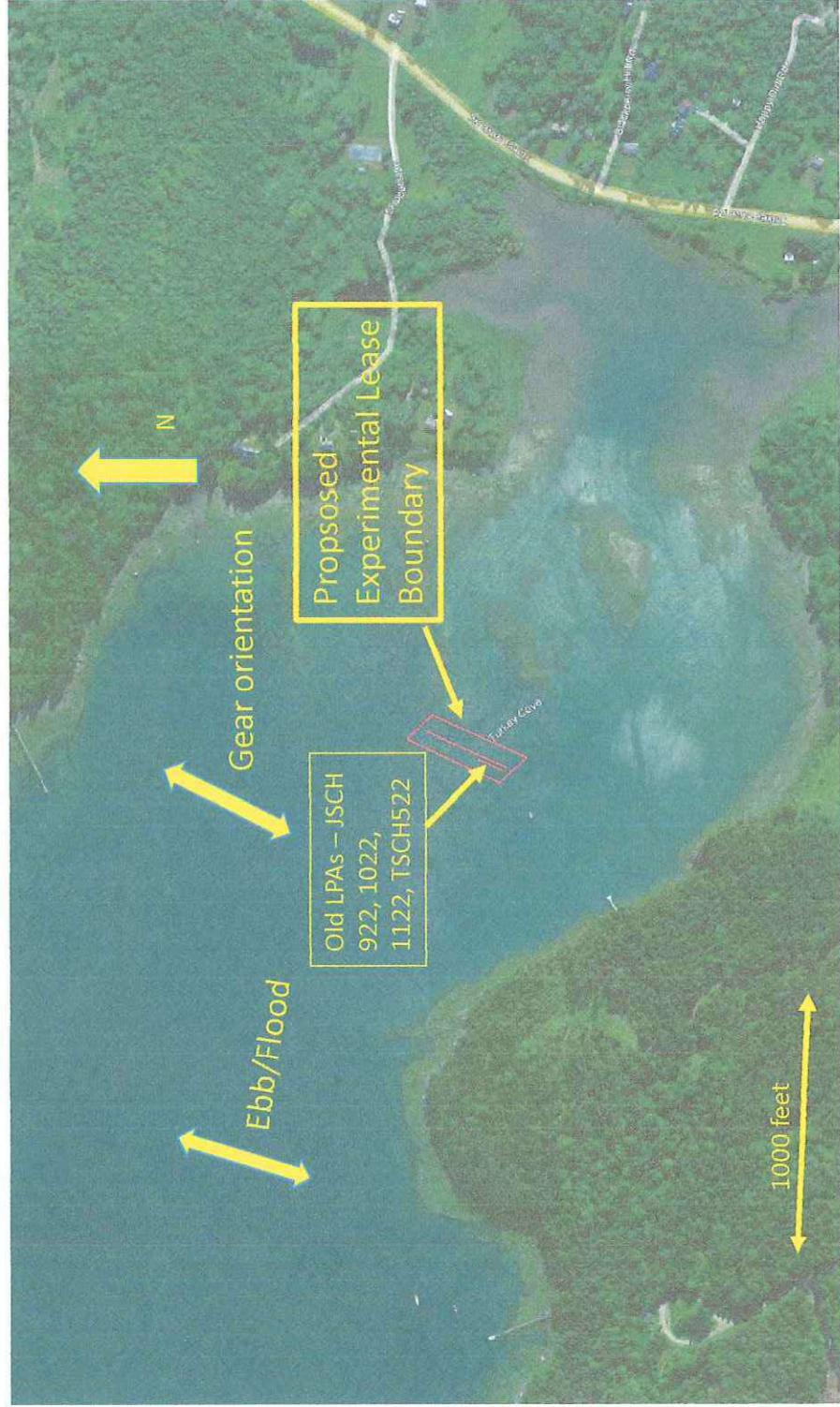
18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

Note:

- All applicants must sign and date this page. Please use the space below, if additional signatures are required.
- Corporate applicants, please be sure to include the title (i.e. President, Treasurer, etc.) of the individual(s) signing on the company's behalf.

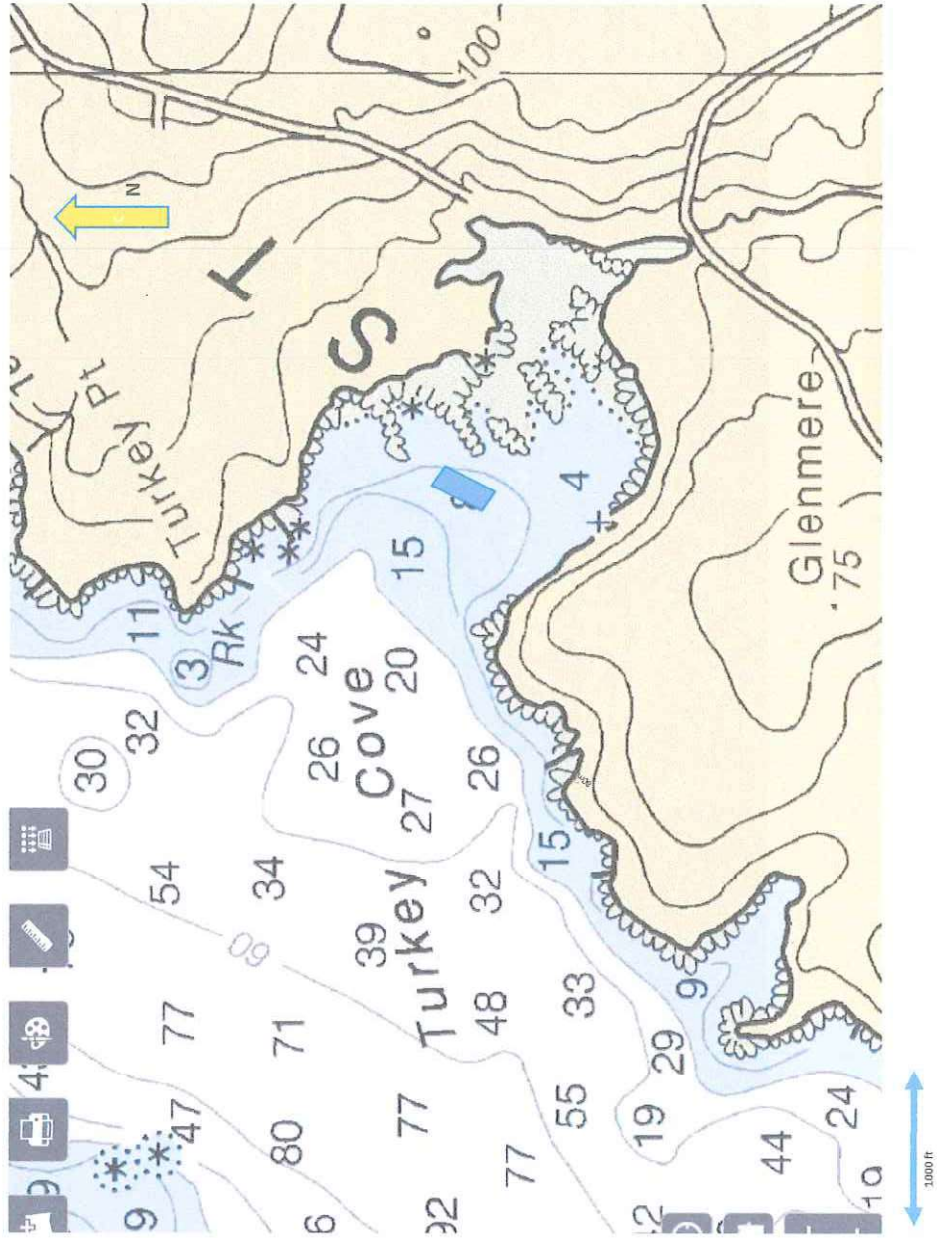
VICINITY MAP Proposed Experimental Lease

VICINITY MAP

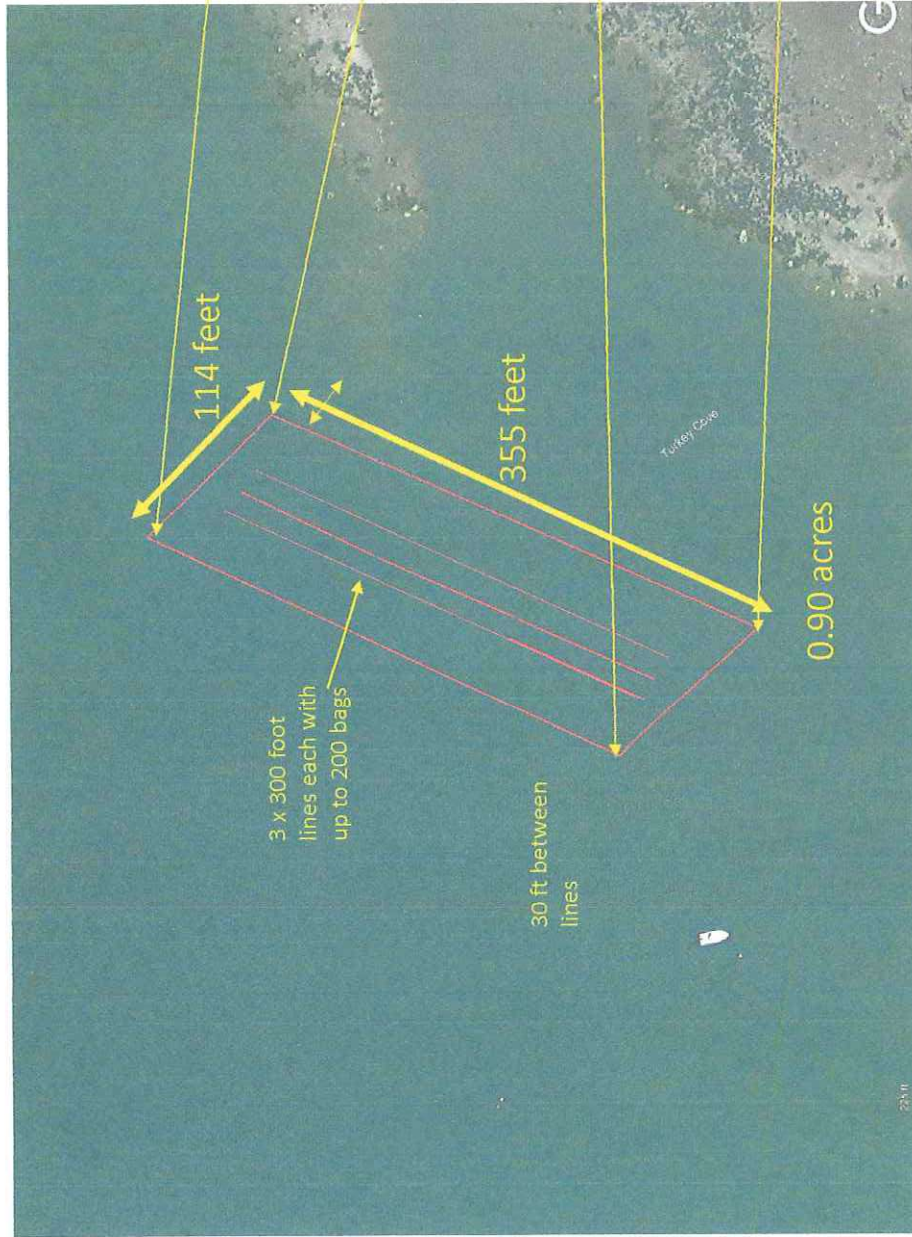


Location: Turkey Cove, St. George, ME

VICINITY MAP – Contour Lines



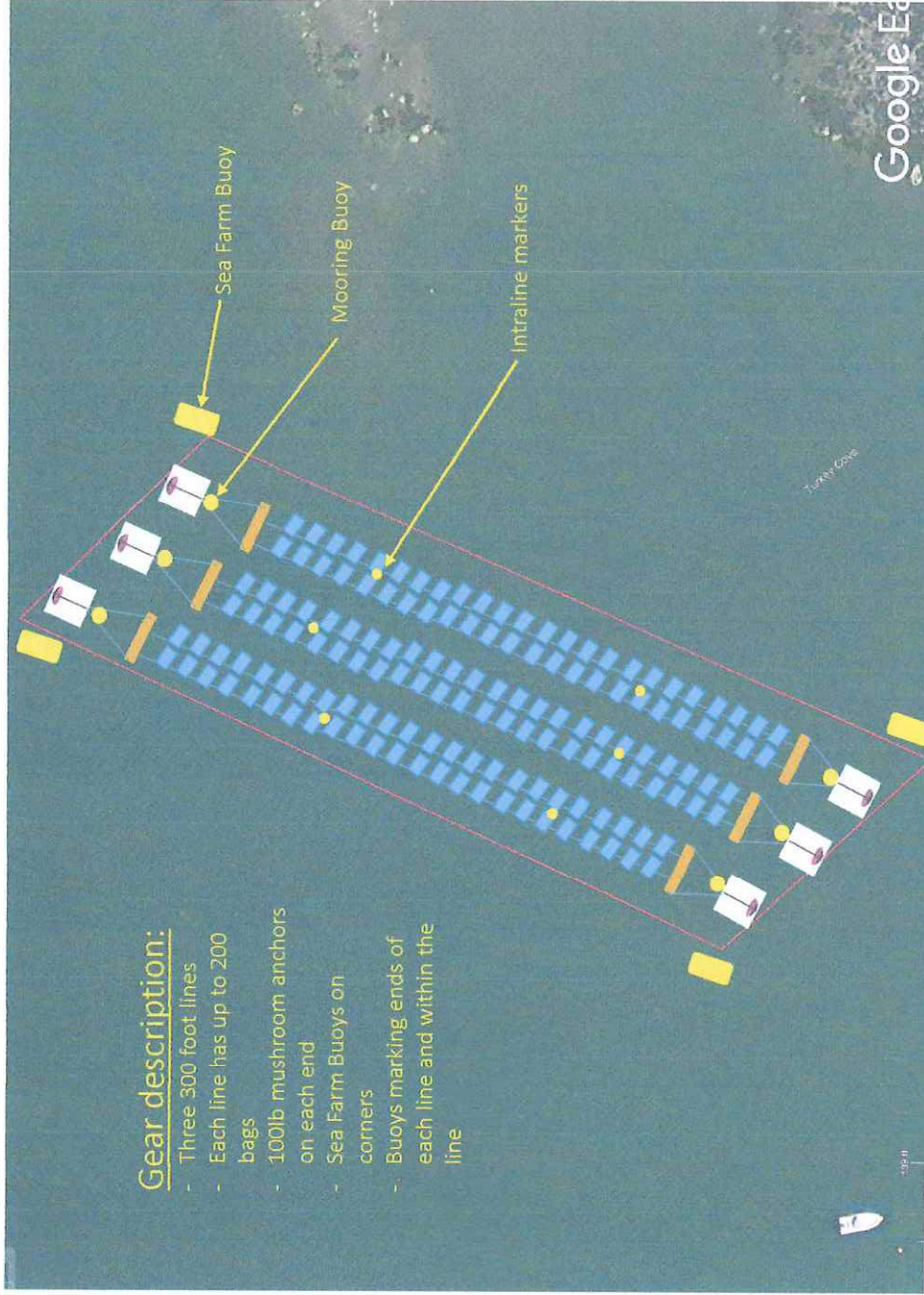
OVERHEAD VIEW OF GEAR AND BOUNDARY DRAWING (Slide 1 of 2)



Boundary coordinates	
NW corner:	43.958798 -69.260993
NE corner:	43.958599 -69.260649
SW corner:	43.957872 -69.261362
SE corner:	43.957655 -69.260981

Map data: Google Earth dated 6/22/2014, low tide

OVERHEAD VIEW OF GEAR AND BOUNDARY DRAWING (Slide 2 of 2)



Map data: Google Earth dated 6/22/2014, low tide

CROSS SECTIONAL VIEW

Sea Farm Buoy w/reflective tape

SW corner:
43.957872
-69.261362

NW corner:
43.958798
-69.260993



300 feet lines (x3) with up to 200 bags each

114 feet width

6 foot log with long lines tied on

Mean High Water Depth: 24 ft.

40 feet between lines

3/8" long line

Mean Low Water Depth: 5 ft.

40ft Lightweight chain

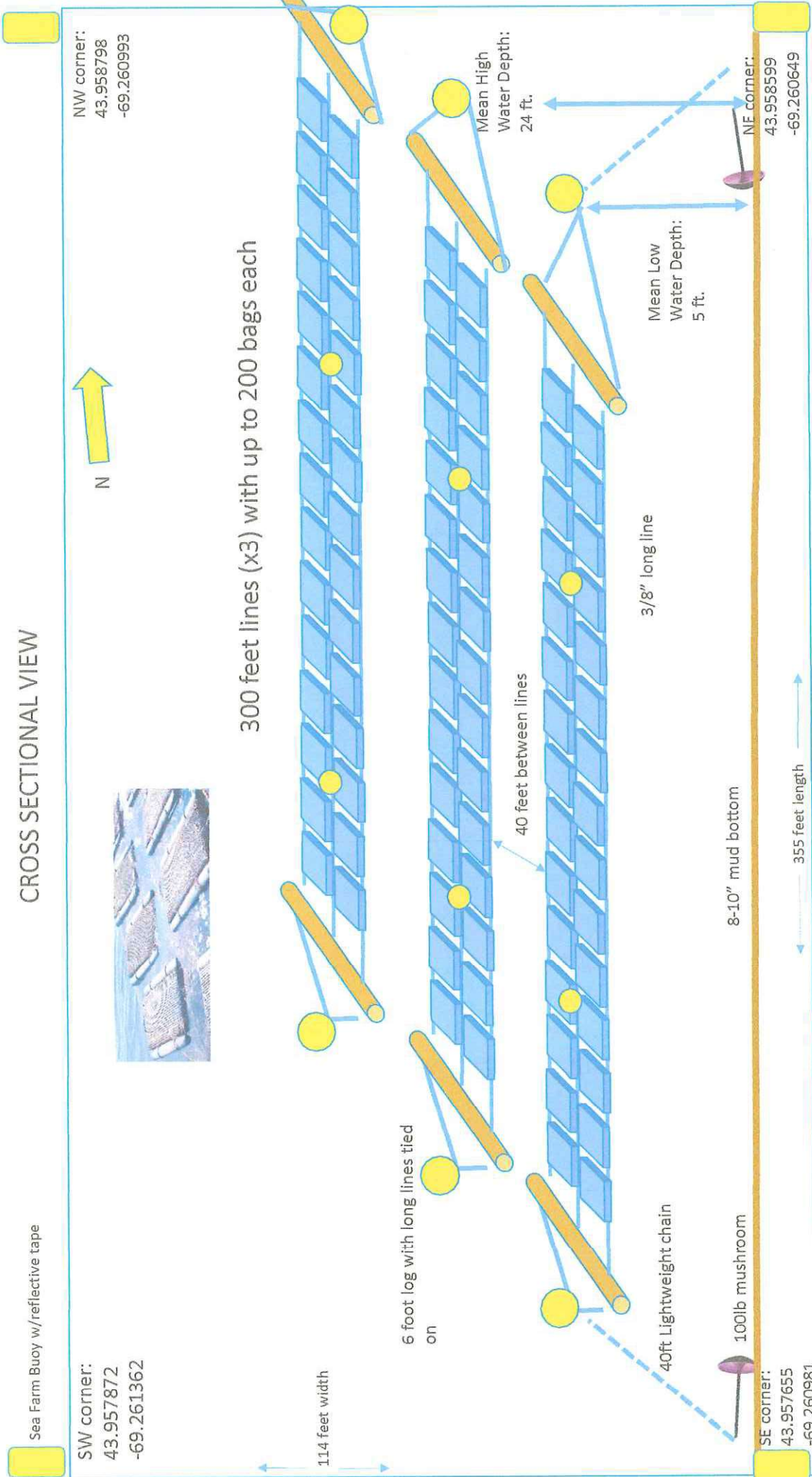
100lb mushroom

8-10" mud bottom

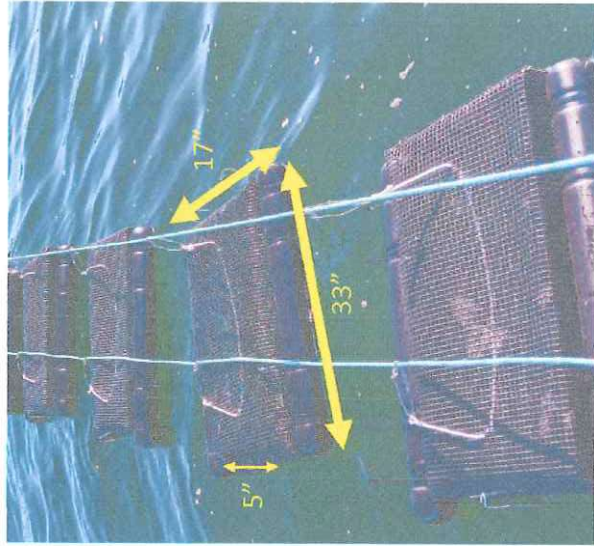
SE corner:
43.957655
-69.260981

NE corner:
43.958599
-69.260649

355 feet length



GEAR DRAWING



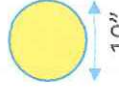
Oyster bag



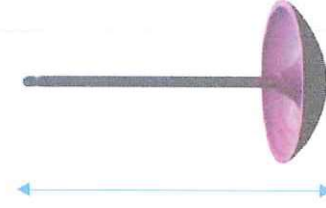
Gro-cage



22" H x 10" W
Oval buoy



Ten inch round
buoy



100lb mushroom anchor

36"

TAX MAP

Maine Geolibrary Parcel Viewer Application

Find address or place

211-033 Not listed on tax map

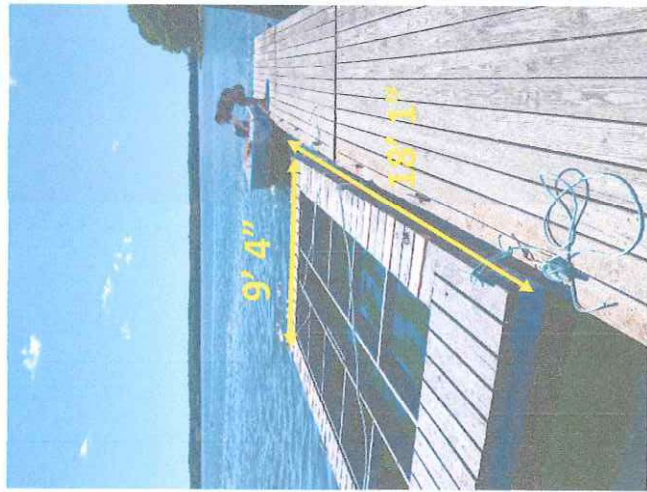
211-035 211-036 211-037 211-038 211-039 211-040 211-041 211-042 211-043 211-044 211-045 211-046 211-047 211-048 211-049 211-050 211-051 211-052 211-053 211-054 211-055 211-056 211-057 211-058 211-059 211-060 211-061 211-062 211-063 211-064 211-065 211-066 211-067 211-068 211-069 211-070 211-071 211-072 211-073 211-074 211-075 211-076 211-077 211-078 211-079 211-080 211-081 211-082 211-083 211-084 211-085 211-086 211-087 211-088 211-089 211-090 211-091 211-092 211-093 211-094 211-095 211-096 211-097 211-098 211-099 211-100 211-101 211-102 211-103 211-104 211-105 211-106 211-107 211-108 211-109 211-110 211-111 211-112 211-113 211-114 211-115 211-116 211-117 211-118 211-119 211-120 211-121 211-122 211-123 211-124 211-125 211-126 211-127 211-128 211-129 211-130 211-131 211-132 211-133 211-134 211-135 211-136 211-137 211-138 211-139 211-140 211-141 211-142 211-143 211-144 211-145 211-146 211-147 211-148 211-149 211-150 211-151 211-152 211-153 211-154 211-155 211-156 211-157 211-158 211-159 211-160 211-161 211-162 211-163 211-164 211-165 211-166 211-167 211-168 211-169 211-170 211-171 211-172 211-173 211-174 211-175 211-176 211-177 211-178 211-179 211-180 211-181 211-182 211-183 211-184 211-185 211-186 211-187 211-188 211-189 211-190 211-191 211-192 211-193 211-194 211-195 211-196 211-197 211-198 211-199 211-200 211-201 211-202 211-203 211-204 211-205 211-206 211-207 211-208 211-209 211-210 211-211 211-212 211-213 211-214 211-215 211-216 211-217 211-218 211-219 211-220 211-221 211-222 211-223 211-224 211-225 211-226 211-227 211-228 211-229 211-230 211-231 211-232 211-233 211-234 211-235 211-236 211-237 211-238 211-239 211-240 211-241 211-242 211-243 211-244 211-245 211-246 211-247 211-248 211-249 211-250 211-251 211-252 211-253 211-254 211-255 211-256 211-257 211-258 211-259 211-260 211-261 211-262 211-263 211-264 211-265 211-266 211-267 211-268 211-269 211-270 211-271 211-272 211-273 211-274 211-275 211-276 211-277 211-278 211-279 211-280 211-281 211-282 211-283 211-284 211-285 211-286 211-287 211-288 211-289 211-290 211-291 211-292 211-293 211-294 211-295 211-296 211-297 211-298 211-299 211-300 211-301 211-302 211-303 211-304 211-305 211-306 211-307 211-308 211-309 211-310 211-311 211-312 211-313 211-314 211-315 211-316 211-317 211-318 211-319 211-320 211-321 211-322 211-323 211-324 211-325 211-326 211-327 211-328 211-329 211-330 211-331 211-332 211-333 211-334 211-335 211-336 211-337 211-338 211-339 211-340 211-341 211-342 211-343 211-344 211-345 211-346 211-347 211-348 211-349 211-350 211-351 211-352 211-353 211-354 211-355 211-356 211-357 211-358 211-359 211-360 211-361 211-362 211-363 211-364 211-365 211-366 211-367 211-368 211-369 211-370 211-371 211-372 211-373 211-374 211-375 211-376 211-377 211-378 211-379 211-380 211-381 211-382 211-383 211-384 211-385 211-386 211-387 211-388 211-389 211-390 211-391 211-392 211-393 211-394 211-395 211-396 211-397 211-398 211-399 211-400 211-401 211-402 211-403 211-404 211-405 211-406 211-407 211-408 211-409 211-410 211-411 211-412 211-413 211-414 211-415 211-416 211-417 211-418 211-419 211-420 211-421 211-422 211-423 211-424 211-425 211-426 211-427 211-428 211-429 211-430 211-431 211-432 211-433 211-434 211-435 211-436 211-437 211-438 211-439 211-440 211-441 211-442 211-443 211-444 211-445 211-446 211-447 211-448 211-449 211-450 211-451 211-452 211-453 211-454 211-455 211-456 211-457 211-458 211-459 211-460 211-461 211-462 211-463 211-464 211-465 211-466 211-467 211-468 211-469 211-470 211-471 211-472 211-473 211-474 211-475 211-476 211-477 211-478 211-479 211-480 211-481 211-482 211-483 211-484 211-485 211-486 211-487 211-488 211-489 211-490 211-491 211-492 211-493 211-494 211-495 211-496 211-497 211-498 211-499 211-500

Vernon Thompson
Arthur Marrow
Turkey Cove LLC c/o Charles Merrill
Phillip Thomas
Turkey Cove Glenview LLC
Enma Sewall
Happy Dirt Rd
Susan Marino
Kenneth Hysczak
Merrill Rd
Weymouth Rd

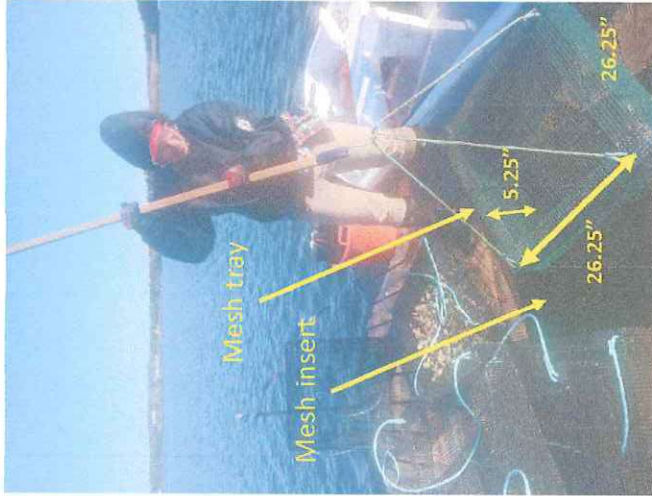
esri

Community Maps Contributors © OpenStreetMap, Microsoft, Esri

LPA JSCH820 – Raft Overview



Raft without covers



Mesh trays (24ea.) going being lowered into inserts (29"x29"x48", 4 ea.) hanging under the raft



Raft with covers

- Oysters are moved from the farm site at Turkey Cove to JSCH820 where they are finished prior to sale.
- Placing the oysters in the raft 1-2 weeks prior to sale results in a saltier taste and cleaner shell

December 15, 2022

To Department of Marine Resources Aquaculture Division,

I, Trina Schroeder, will relinquish LPA TSCH522 when my husband Jeff Schroeder's experimental lease is approved.

Sincerely,

A handwritten signature in cursive script that reads "Trina Schroeder". The signature is written in black ink and is positioned below the word "Sincerely,".

Trina Schroeder
Trinab3@hotmail.com
207-706-6552