

STANDARD LEASE APPLICATION: NON-DISCHARGE

1. APPLICANT CONTACT INFORMATION

Applicant	Restorative Aquaculture LLC		
Contact Person	Angel Wilson		
Address	P.O. Box 10304		
City	Portland		
State, Zip	ME		
County	04104		
Telephone	207-837-5279		
Email	angel@runningtide.com		
Type of Application	<input type="checkbox"/> Application [submitted before scoping session] <input checked="" type="checkbox"/> Final Application [submitted after scoping session]		
Dates	Pre-Application Meeting: 5/7/21	Draft Application Submitted: 5/28/2021	Scoping Session: 8/9/2021

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	Harpswell
Waterbody	Middle Bay
General Description (e.g. south of B Island)	East of Scrag Island
Lease Information	
Total acreage requested (100-acre maximum)	9.89 acres
Lease term requested (20-year maximum)	20 Years
Type of culture (check all that apply)	<input type="checkbox"/> Bottom (no gear) <input checked="" type="checkbox"/> Suspended (gear in the water and/or on the bottom)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Note: If you selected yes, you need to complete the steps outlined in the section titled: "19. Landowner/Municipal Permission Requirements".



3. 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"):	WJ
Pollution Area Section (e.g. "B.2". or "none"):	none
Water Quality Classification (e.g. approved, restricted, etc.):	Open/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
American Oyster Crassostrea Virginica	Running Tide Hatchery Harpwell ME	4,000,000
Hard Clam Mercenaria Mercenaria	Running Tide Hatchery Harpwell, ME Approval Pending	1,000,000
Soft-Shelled Clam Mya Arenaria	Running Tide Hatchery Harpwell, ME Approval Pending	1,000,000
Atlantic Surf Clam Spisula Solidissima	Running Tide Hatchery Harpwell, ME Approval Pending	1,000,000
Sea Scallops Placopecten Magellanicus	Running Tide Hatchery Harpwell ME Approval Pending	1,000,000

2

Laver/Nori-Porphyr umbilicalis Gracilaria tikvahiae Sea lettuce-Ulva lactuca Rockweed-Ascophyllum	Running Tide Hatchery Harpwell ME	5 -1500' seeded lines of various kelp species listed
Sugar Kelp Saccharina Latissima	Running Tide Hatchery Harpwell, ME	
Skinny Kelp Saccarina Lattissima Forma Angustissima Bladderwrack-Fucus vesiculosus	Running Tide Hatchery Harpwell, ME	
Horsetail Kelp-Laminaria Digitata Winged Kelp-Alaria Esculenta	Running Tide Hatchery Harpwell ME	
Dulse- Palmaria Palmata Irish Moss-Chondrus crispus	Running Tide Hatchery Harpwell ME	

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: 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

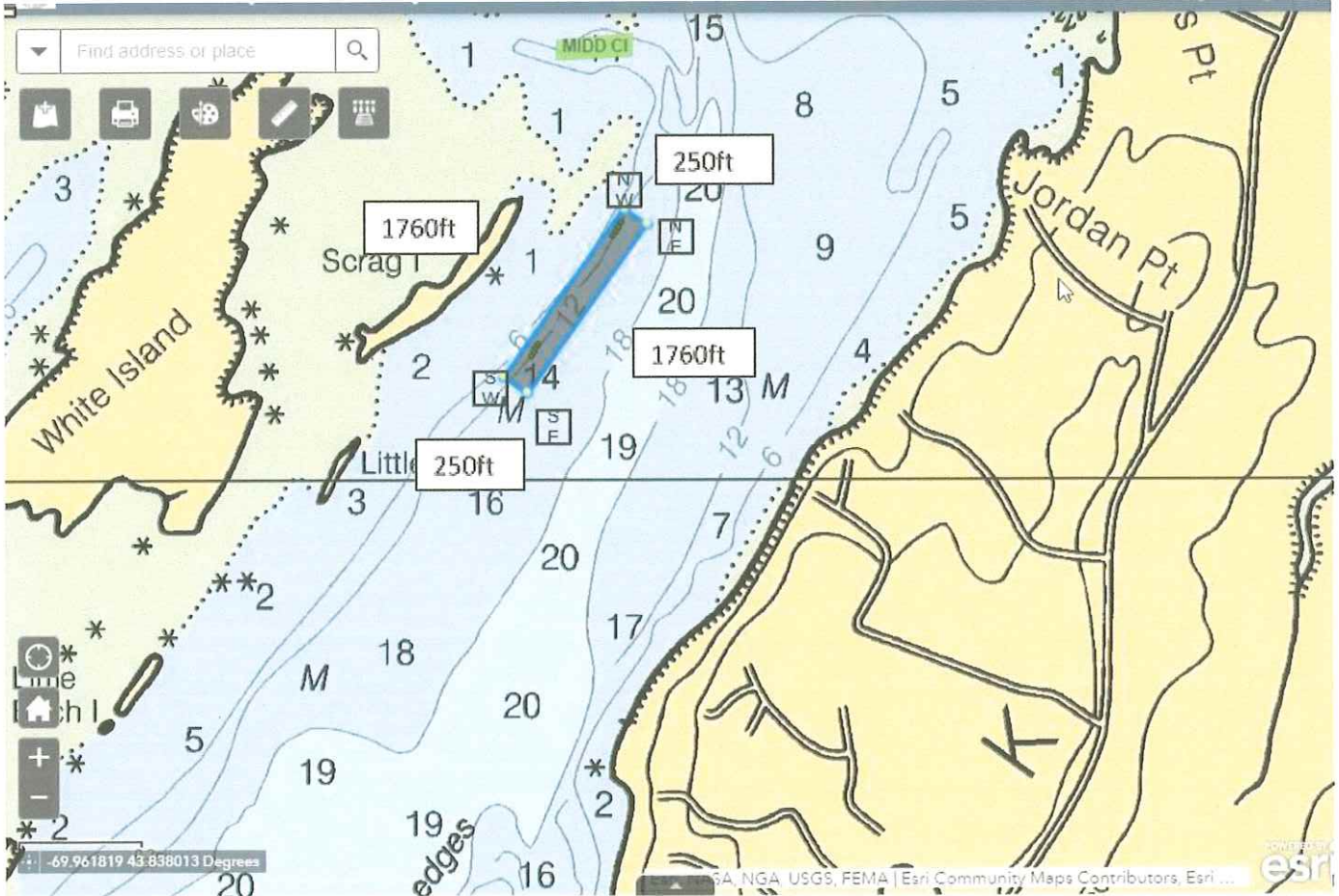
6. BOUNDARY DRAWING

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.

BOUNDARY DRAWING

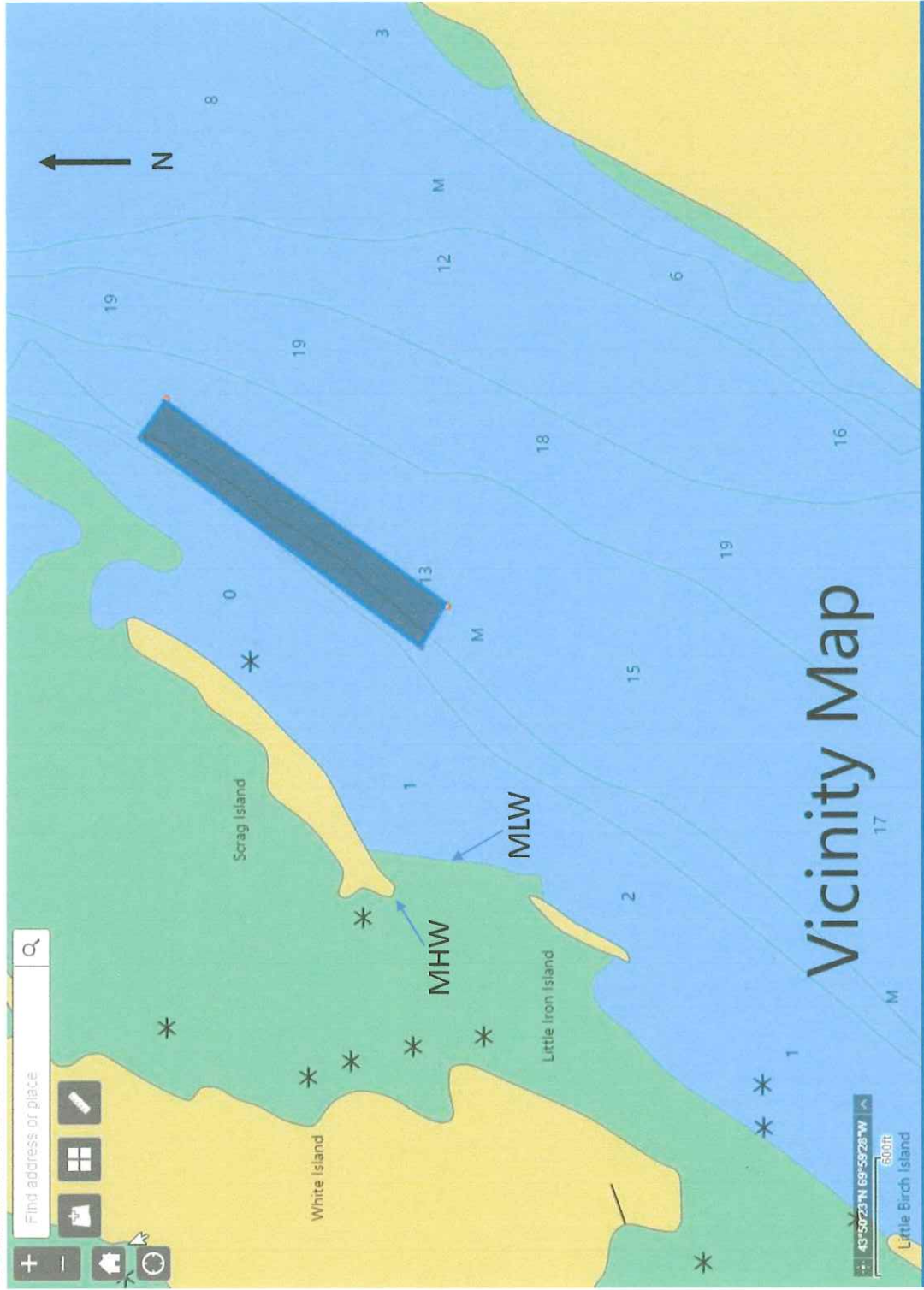


NW 43.839615 -69.975806

NE 43.839267 -69.975072

SW 43.835761 -69.979755

SE 43.83539 -69.979004



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 (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
Upweller	11' x 35'	Year round	80	All Shellfish Listed
3/8" potwarp Longlines	1500'	October 15th through June 1st Annually	5	All kelp species listed
Corner Buoys	Yellow A3 buoys 575mm x 460mm	Year round	4	
Kelp line marker buoys	Yellow A1 Buoys 11" x 15"	October 15- June 1st	30	All kelp species listed
Mushroom Anchors Helix Anchors	50 lb 6" x 48"	year round	190 8 total, 2 on each end of each row of 40 upwellers	

3/4" potwarp lines to go from the anchors to the surface buoy for the kelp lines
20' sections of coast guard chain (total of 160 max) and 25' sections of 1/2" chain to anchors (160 max) We verify that the anchor system we are proposing will sufficiently keep all gear within the lease boundaries in all weather conditions.



**Yellow A3 Corner
Buoys Polyform
575mm(L) x 460mm
(D)**



**Polyform A-1 Yellow
Marine buoy 11"
diameter x 15" tall**

Norestar

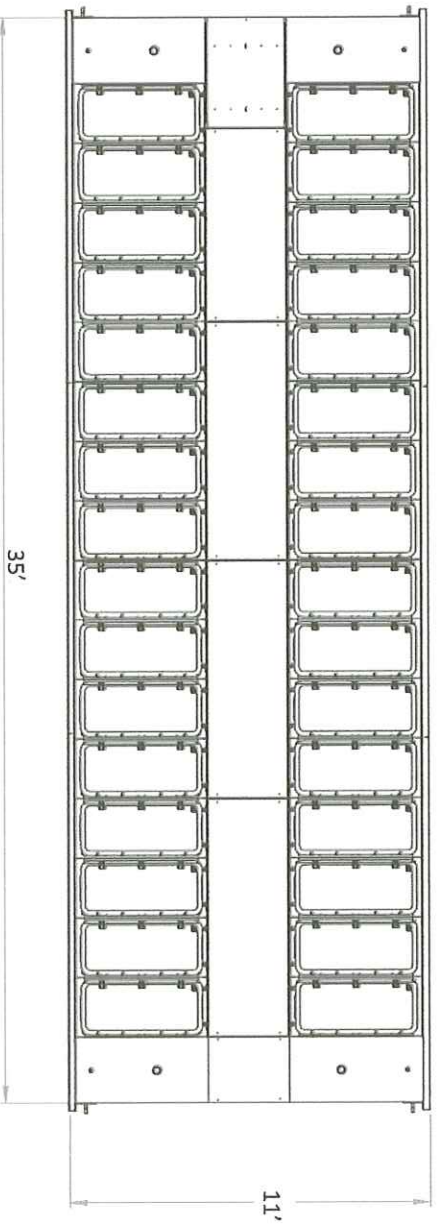


**Mushroom
Anchor- 50 lbs**

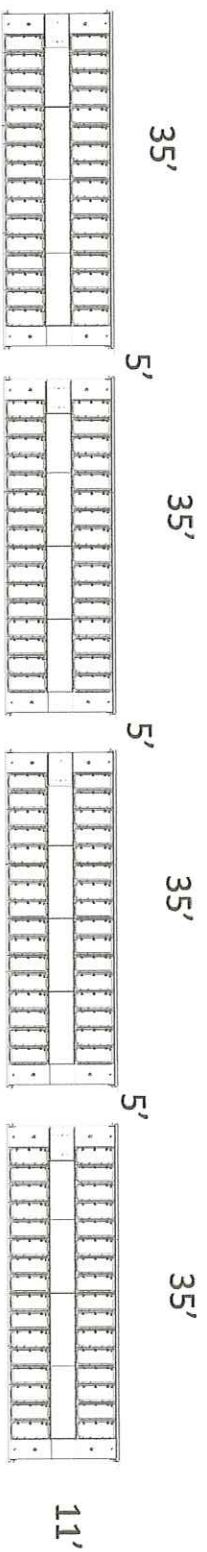


**Helix Anchors- 6" x 48"
with 6" helix screw
anchor**

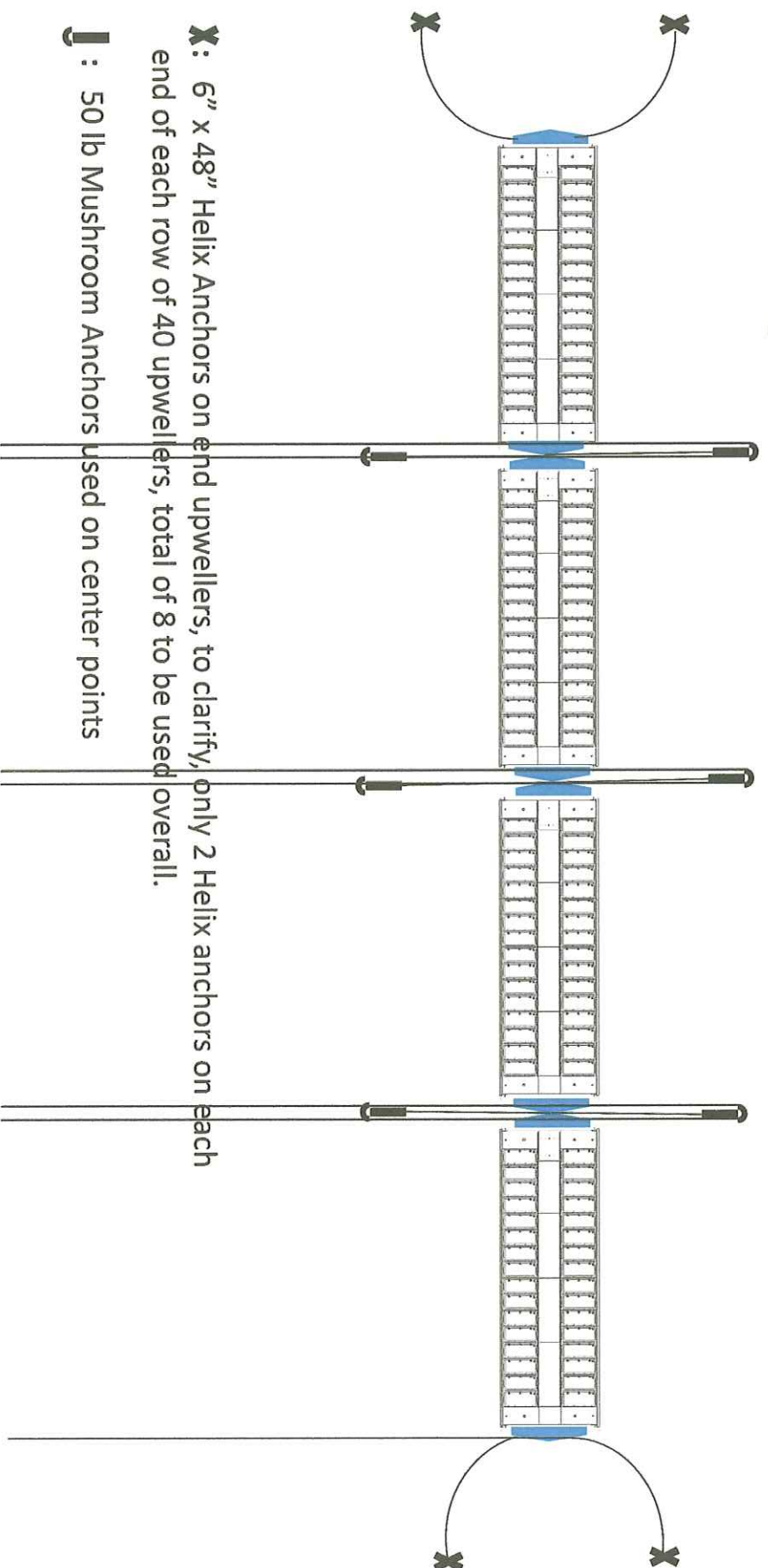
Overhead View of Gear with Measurements



Overhead View of 4 upwellers

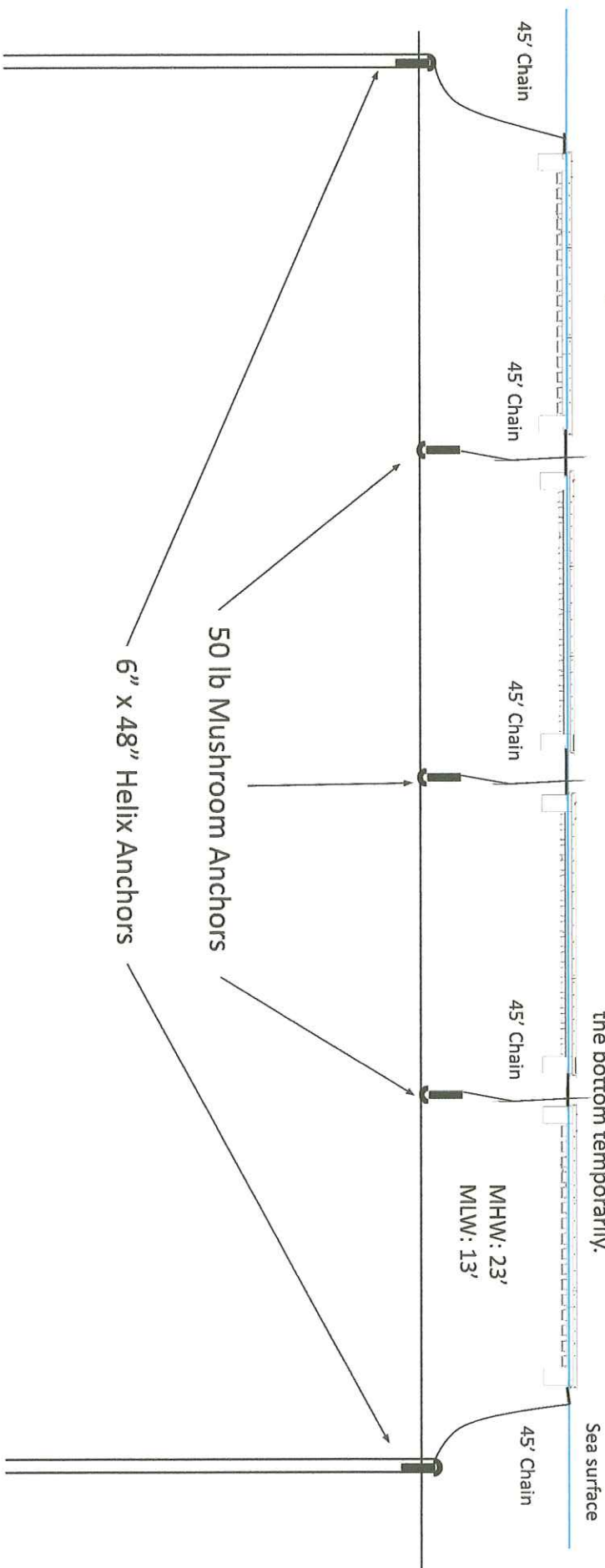


Overhead View of upweller Cluster with Moorings



Cross Section View of Gear Year round

Aluminum Upwellers

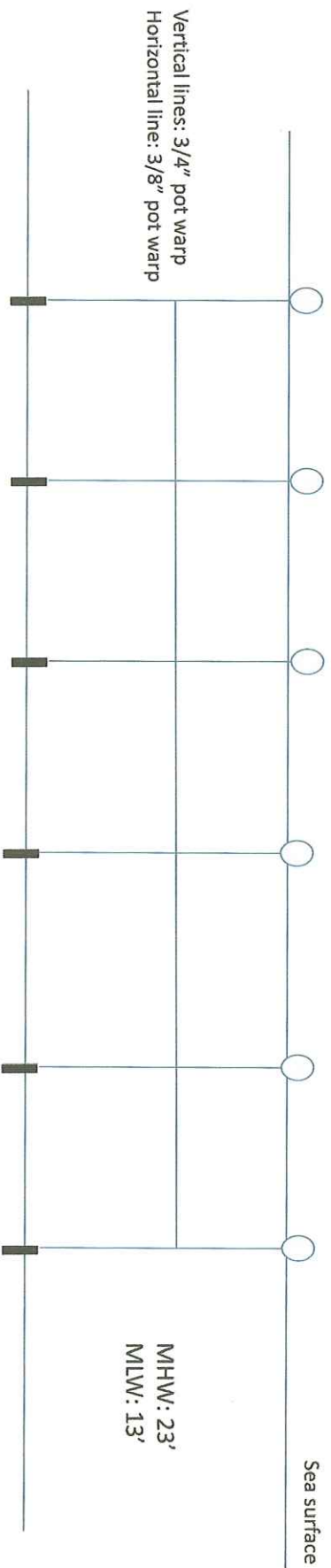


Gear shows row of 4 upwellers, there will be 40 in each row, drawing depiction enhanced for easier viewing.

Each anchor, both mushroom and helix will have 20' of standard Coast Guard chain from the anchor and an additional 25' of 1/2" chain from the Coast Guard chain to the upwellers.

Upwellers would only be dropped to bottom in extreme weather events. They would be dropped directly in place to the bottom temporarily.

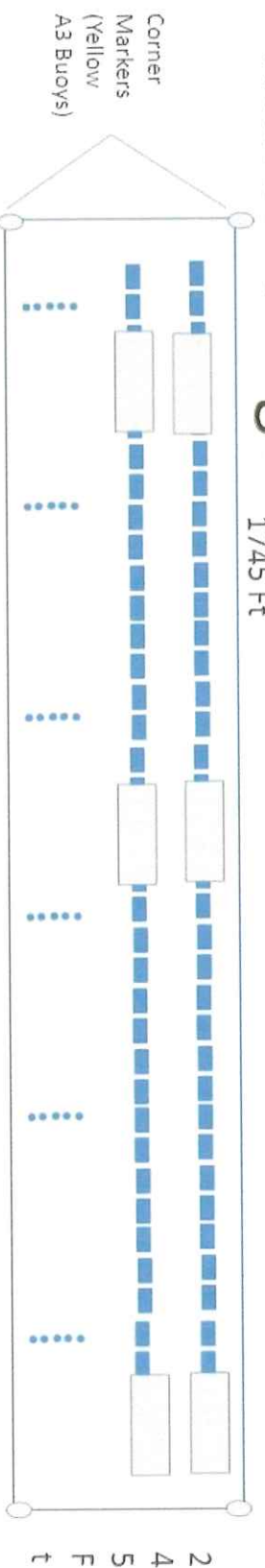
Cross Section View of Marine Algae Gear



50 lb mushroom anchors every 300 feet of each 1500 foot long line, total of 6 in each line, 30 overall

long lines will be a minimum of 7' below the surface

Overhead View depiction of maximum gear within lease boundaries



There will be (5) 1500' longlines for kelp, spaced 10 feet apart, and 20 feet between last row and bottom boundary line. There will be a 40 foot buffer between the bottom row of upwellers and the first line of kelp. Marine algae longlines will be suspended on average 7 feet below the surface.

=Grading vessel, will remain on site and straddle the rows of upwellers, working from end to end

■ = One Upweller(80 total) 1400 feet each row of 40 upwellers. 40 feet between top boundary and first row, each row is 11 feet wide, with 80 feet between each row. There is 40 feet on each end of the site before the first and after the last upweller.

• = One A1 surface buoy for marking and suspension of kelp lines

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 minimum of two and a maximum of 6 aluminum grading vessels will sit on top of the lines of upwellers straddling the gear. Grading vessels will be 45 feet long, 17 feet wide, and 9 feet above the water line.

- | |
|--|
| 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. |
|--|

The diesel tanks for the generators that run the grading vessels will be kept inside of each vessel. Kept in closed sealed containers to eliminate potential spills. We will be using a dedicated bunkering system for refueling. The grading vessels will be filled with fuel before being moved onto the proposed site to eliminate the need for frequent refueling. That is the reasoning behind the amount of fuel stored onsite, in the grading vessels. Spill prevention plan is attached. The maximum amount of fuel that could ever potentially be on site at once time is 6 vessels x 500 gallons each total of 3,000 gallons. This would be an extremely unlikely occurrence.

Spill Prevention Control and Countermeasures

1. SPCC equipment maintained on site:

150' feet of oil absorbent boom will be maintained on the service vessel. This will be enough to ring the service vessel and the grading vessel with the absorbent boom.

We will also have at least 20 absorbent pads on the grading vessel for any spills that occur there.

2. Spill prevention:

Fueling activities will be conducted with two crew members present.

Fuel will be transferred from fuel tank on service vessel onto grading vessel with a pump and hose.

During pumping procedures, one crew member boards the grading vessel, where they have control over the pumping nozzle. The second crew member is onboard the service vessel, monitoring the fuel tank, and with ready access to absorbent pads, and the absorbent boom.

The pump is turned on by the crewmember on the grading vessel. The crewmember can monitor the manual fuel gauge inside the vessel, and shut off the fuel fill when the tank is 50% full.

3. Spill containment:

Diesel will be stored inside two layers of containment: an aluminum fuel tank fabricated by a highly experienced and certified marine welder, and the aluminum pontoon hull. Should a spill occur, these two barriers will prevent the diesel from entering the water.

Additionally, there is a containment coaming around the fuel fill and vent, which prevents any small fuel leaking during fueling or venting from flowing into the water.

4. Spill cleanup

Should a spill occur during fueling, the crewmember aboard the grading vessel will immediately stop the fuel pump. Then all bilge pumps will be shut from an emergency shutoff switch inside the grading vessel. The crew member on the service vessel will circle the grading vessel with the absorbent boom. The fuel spilled on the grading vessel will be pumped out with an auxiliary fuel pump onboard the service vessel into an appropriate tank for waste oil. Any remaining fuel wiped up with the absorbent pads.

Should the spill spread, the fueling team will circle the grading vessel and service vessel with the absorbent boom and call appropriate authorities for assistance.

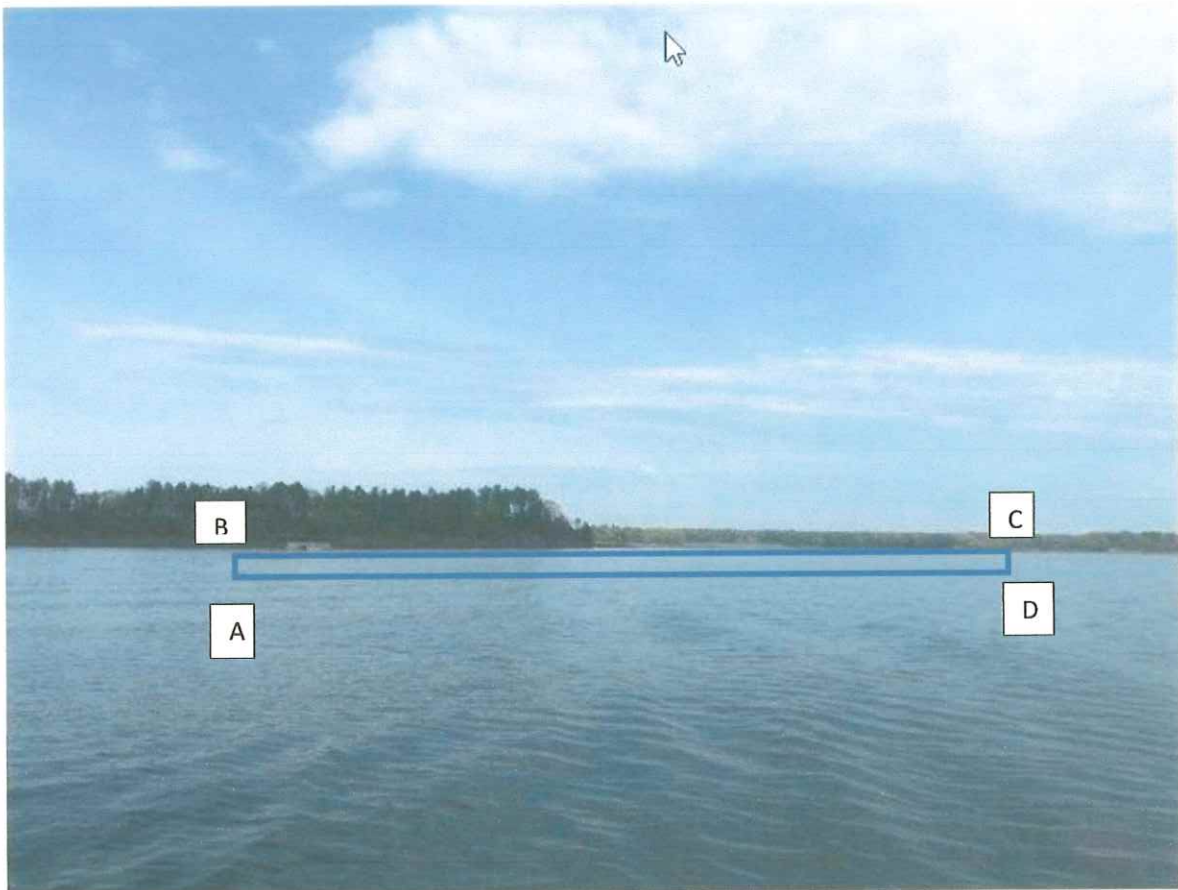
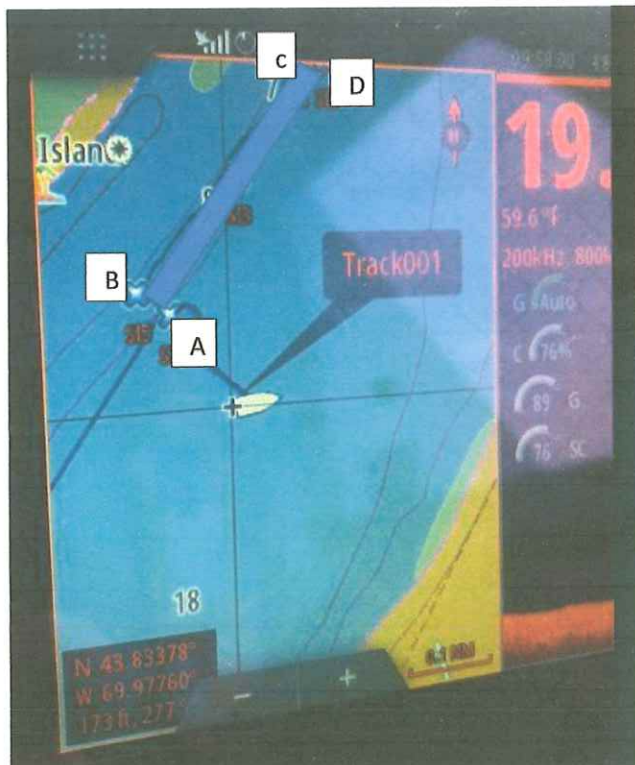
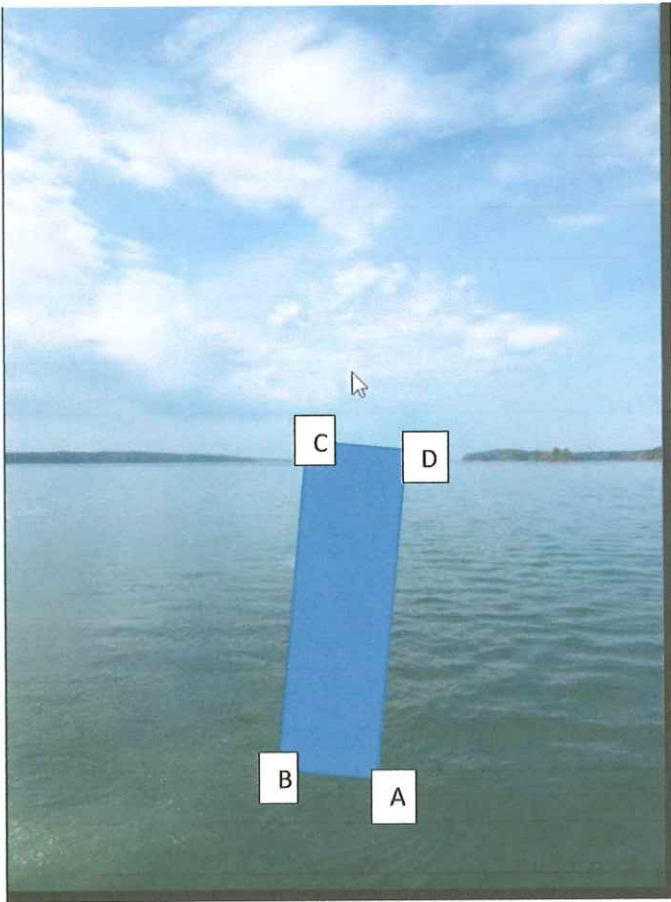


Photo taken from the middle of the channel in line with the southern end of the proposed lease site looking west. Location on chart shown in plotter image.





Gear layout depiction

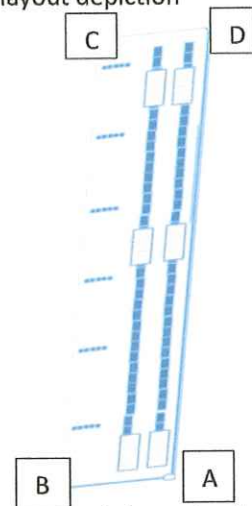
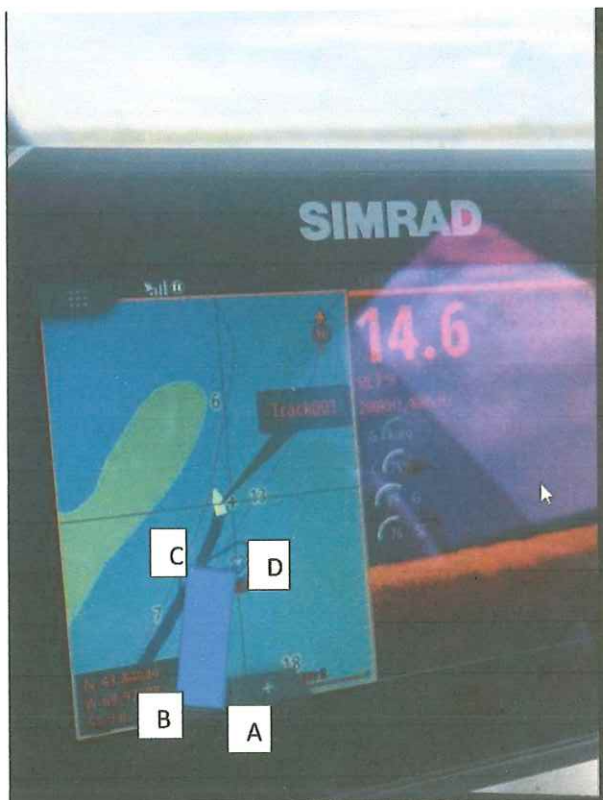


Photo taken from north end of the lease site looking south. Location on chart shown in plotter image.



D. Gear Color

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

E. Equipment Layout

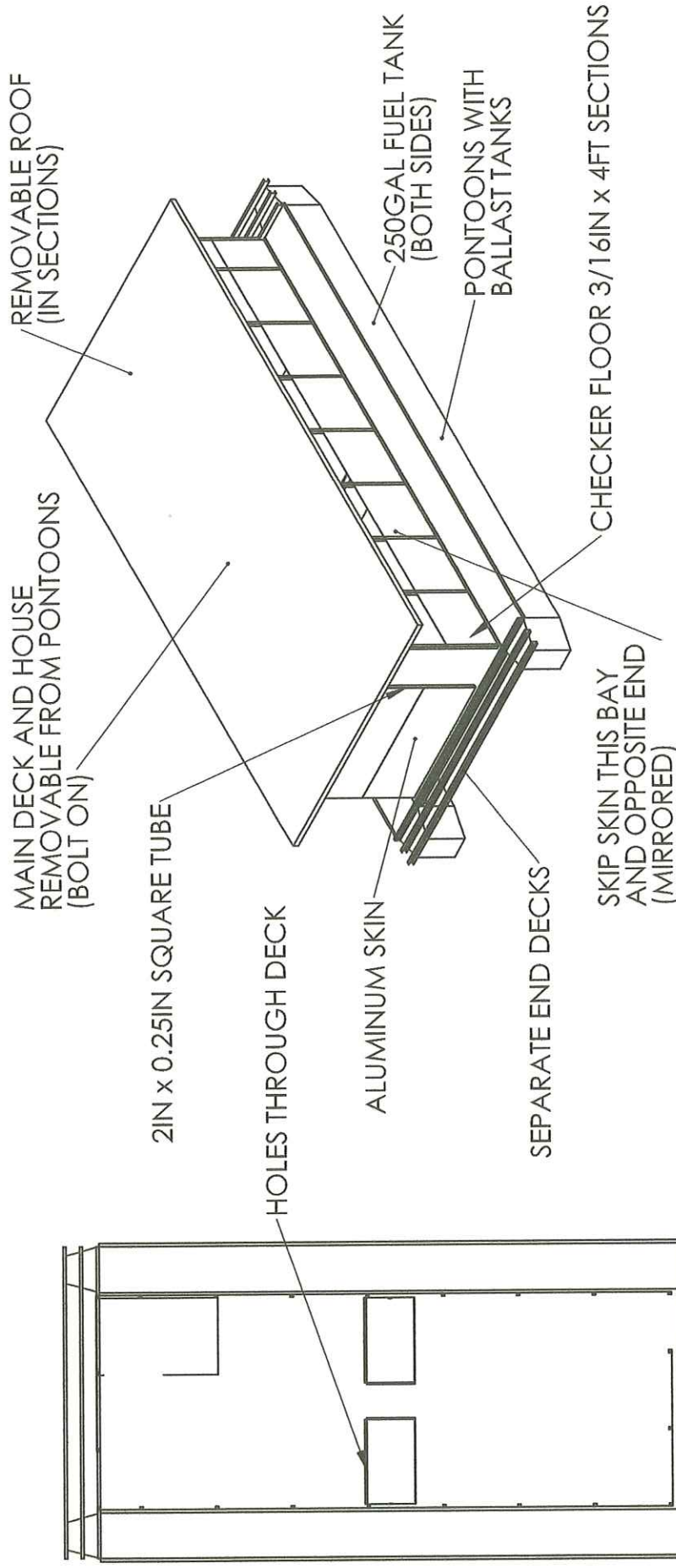
Provide schematic or photographic renderings of the generalized layout of the equipment as depicted from two vantage points on the water. Provide the locations of the two vantage points.

F. Marking

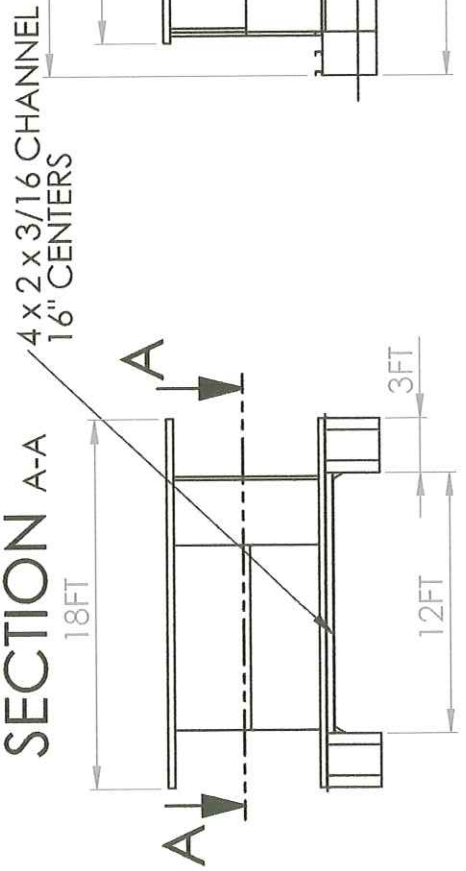
Will you be able to mark your site in accordance with DMR regulations, Chapter 2.80? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If you answered no, explain why and suggest alternate markings.

Note: If a lease is granted, you will also be required to mark the site in accordance with appropriate US Coast Guard Regulations. If you have questions about US Coast Guard Regulations contact: 1st Coast Guard District, Aids to Navigation Office ((617)-223-3293).

45FT RUNNING TIDE NURSERY GRADING VESSEL

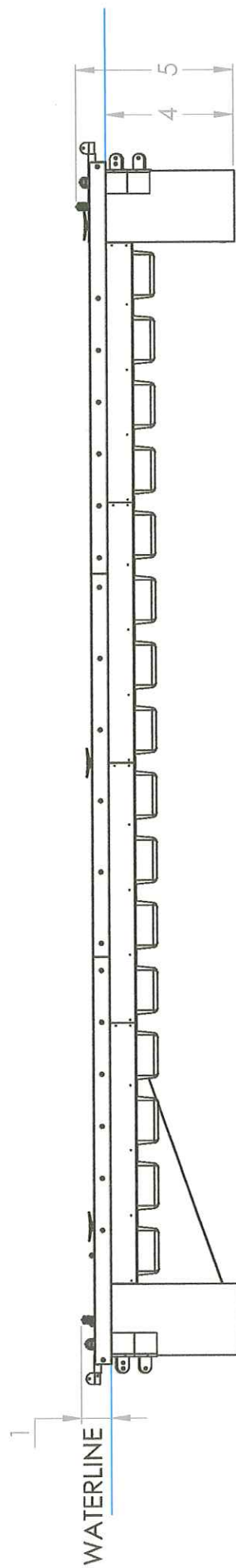
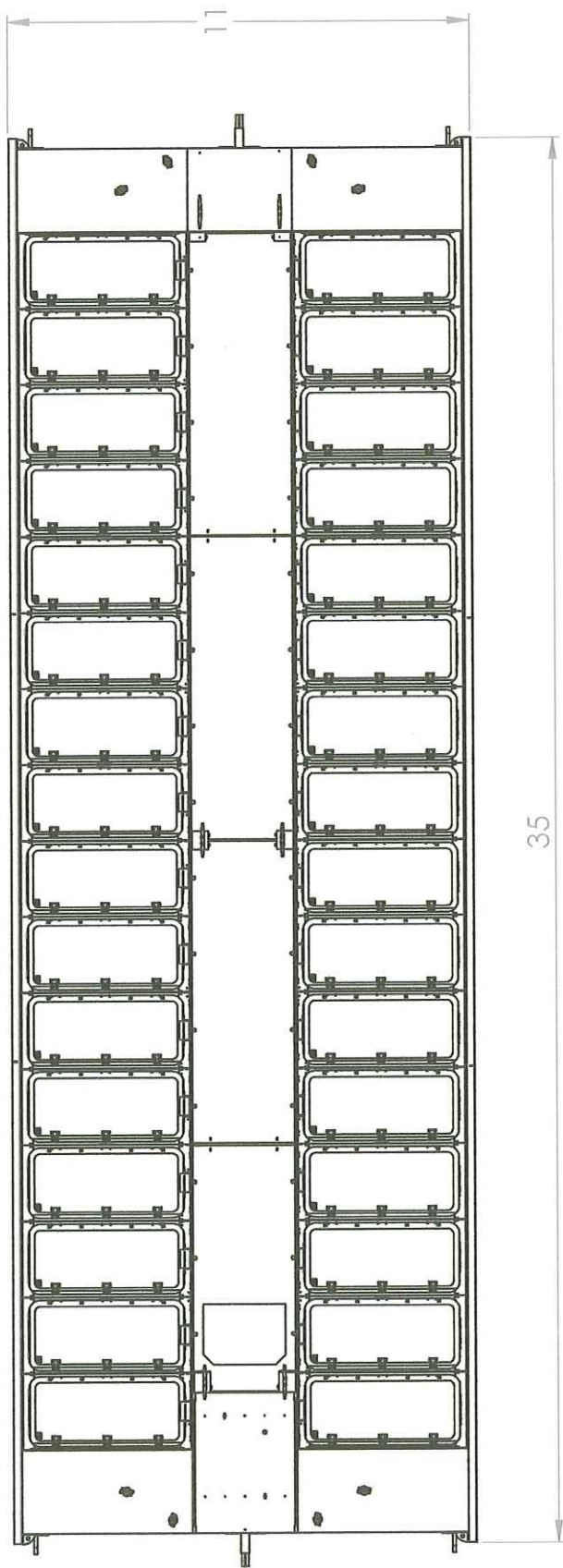


SECTION A-A



WATERLINE:
2FT (MINIMUM)

DIMENSIONS IN FEET



Upweller Schematic in feet

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.

Will begin in May annually through July, on site up to 5 days per week during those months during daylight hours, this is for all shellfish species listed.

Kelp lines will be seeded in no earlier than October 15th annually, minimal to no tending occurs once seeding is done.

B. Please explain your proposed tending/maintenance activities.

Daily grading and maintenance of the site approximately 8 hours per day or less, no more than 5 days a week for all species except kelp. Minimal to no maintenance/tending is required for kelp once it is seeded.

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

On site daily during growing season, less frequently during the winter months (approx. 1X per week in winter for all shellfish species listed). 1x per week or less for kelp during its growing season October 15th - June 1st Annually.

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

Bins of market sized oysters will be mechanically hauled onto the grading vessel from the upwellers where they are sorted for market. Kelp will be hauled onto a vessel by hand and winch and cut for harvest.

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

1-2 days per week for harvesting

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

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

We could potentially be dropping the shellfish in upwellers to bottom for overwintering depending on weather variables/in extreme weather situations. No gear will be removed from the site over winter. Kelp lines will be deployed on or after October 15th for winter growing season.

H. 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.

Upwellers are fully covered and protected so no predator control is needed.

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?

A range of vessels will bring crews out to the on-site grading vessels on a daily basis, currently we have a 50' aluminum work boat, powered by twin 250 hp outboard motors, height above the water line is approximately 14'. An 18' aluminum work boat, powered by and a 150 hp outboard motor, and an 18' fiberglass skiff powered by a 90 hp outboard motor.

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?

Grading vessels fully enclose all built in generators, and grading equipment. All are sound proofed to minimize noise. We're planning to use solar/batteries as primary power but with a 20kW diesel generator as backup. Custom built vibratory graders, that are fully contained inside the grading vessel to be used daily.

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

Sorting and grading equipment are all contained within the soundproof vessels. All grading vessels are powered by 4 stroke outboards to reduce noise and increase efficiency. We utilize a northern lights model number M844LW3 / M844W3 sound shield. The Generator is located inside the grading vessel walls, which are insulated. Wet exhaust system includes a two-stage muffler and a custom underwater exhaust box.

<p>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.</p>
<p>Only lights used for navigational purposes, when navigating too and from the site.</p>

<p>E. Indicate under what circumstances you might work at your site beyond daylight hours.</p>
<p>Severe weather, or equipment malfunction.</p>

10. CURRENT OPERATIONS

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

<p>A. Describe your existing aquaculture operations, including the acronyms of all active leases and/or licenses.</p>
<p>MODL118, MODL218, MODL318, MODL418 LPAS MID Glx2-Goose Island LLC 3.28 acre experimental lease MID WCx-Wilson Cove LLC 3.2 acre experimental lease</p>

<p>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.</p>
<p>LPAs Currently within the site are MAND121, MAND221, MAND321 and MAND421 NMER121, NMER221, NMER321, NMER421- All will be relinquished upon approval of this lease proposal. See attached letters of intent from the LPA holders.</p>

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?

NW corner- 10 feet, NE corner- 15.5 feet, Center- 14.5 feet, SE corner 13 feet, SW corner- 10 feet

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

20-25 feet

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

Approximately 1 foot per second north/northeast flow and 1 foot per second south/southwest ebb

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.)?

Soft mud throughout

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

Flat with a gradual slope from shallow to deep

<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>Jonah crabs (common) Starfish (rare) Horseshoe crabs (rare)</p>
<p>4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.</p>
<p>None known</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>Eelgrass beds are more than 75' from the closest corner of the proposed site as observed in May of 2021</p>
<p>6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)</p>
<p>Shoreline is wooded island, one seasonal camp</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

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

No evidence of commercial fishing has been observed within the proposed site, some fishing for pogies has been observed in Summers of 2020 and 2021 in the deeper channels east of the proposed site. Our teams are on site daily year round tending to current LPAs within the proposed lease boundaries and all activity has been observed daily.

2. Recreational Fishing

Recreational fishing for striped bass occurs primarily in summer months, in the deeper waters near the navigational channel, none observed within the boundaries of the proposed site.

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

Boating activity has been observed primarily in the navigational channel which is 460' from the northern end of the proposed site and 675' from the southern end. No boating has been observed within the proposed site.

4. Riparian Ingress/Egress

No impact expected Proposed site is more than 850feet from the nearest dock, no moorings, or boat launches or other access points within 1000 ft of the site.
The site will not hinder any type of riparian access.

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

Kayaking has been observed on occasion but not within the proposed site, they primarily transit the shallows to the south and west of Scrag Island.

B. Are there private docks, moorings, or other access points within 1,000 feet of the proposed lease? If yes, please include approximate distance from the proposed lease.

There is one private dock located approximately 850 feet from the southern end of the proposed site.

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.

None

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.

No dragging, no other commercial fishing within the boundaries of the proposed site.

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".

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

☐ Yes ☒ No

Note: If you selected yes, you will need to complete the landowner permission requirements included in "19. Landowner/Municipal Permission Requirements" of this application.

C. How will you access the proposed site?

By boat launched from Portland or other nearby public marinas

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

No impact expected

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: Harpwell

MAP #	LOT #	Landowner name(s) and address(es)
80	6	Ellis Chris Thomas Jr & Crystal as Trustees of the Ellis Family Revocable Trust 14126 Hartsook Street Sherman Oaks, CA 91423

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Rosaura Knight Town Clerk for the Town of Harpwell 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: Rosaura Knight

DATE: 5-28-21

BRUNSWICK



M3

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.

See Attached Resume

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.

See Attached letter from Bangor Savings

B. Cost Estimates

Please provide cost estimates of the proposed aquaculture activities.

Applicant currently owns all gear and equipment to be utilized on this site, no additional costs expected.



May 14, 2021

To Whom It May Concern:

This letter is in reference to our customer Matthew Odlin to verify funds held at Bangor Savings Bank. Please accept this letter as verification that Matthew Odlin has the necessary funds for an aquaculture lease in Harpswell, Maine.

If there is any questions or concerns I can assist you with, please feel free to contact me at (207)767-0814.

Sincerely,

A handwritten signature in black ink, appearing to read "Colleen Files", with a stylized flourish at the end.

Colleen Files
AVP/Branch Manager
South Portland – Millcreek
(207)767-0814
Colleen.Files@Bangor.com

MARTY ODLIN
marty@runningtide.com

EDUCATION:

Dartmouth College, Hanover NH
B.A. Engineering June 2005

WORK:

Running Tide, Portland ME May 2017 – Present
CEO

- Oversee shellfish and kelp farming operations

Atlantic Trawlers Fishing Co., Portland ME Dec 2011 – 2018
Operations Manager

- Deployed over 1000 offshore trawler trips
- Manage seafood harvest and sales
- Navigate relevant state and federal laws and requirements for seafood harvesting

Education Center for Sustainable Engineering
Columbia University, New York NY June 2008-2011
Assistant Director

- Manage research projects in green roofs, solar thermal engineering, energy efficiency, and incorporate research into high school and college curricula
- Advisor to Engineers Without Borders
- Develop and fabricate novel experimental equipment for solar tracking, boundary layer CO₂ flux measurement and wide variability water flow measurements for green roof runoff surveys

K2 Sports, Seattle October 2006 - May 2008
Design and Development Engineer

- Managed numerous consumer product design projects from conception and prototype to production
 - Worked on development projects in factories and development centers in Germany, South Korea and across Southern China
 - Experience in factory retooling, assembly line layout, cost accounting and lab and field testing of products
-

To whom it may concern;

I agree that on approval of the attached standard lease application, I will forfeit my current LPAs near Scrag Island named NMER121, NMER221, NMER321, NMER421.

Sincerely,



Nate Merrill

To whom it may concern;

I agree that on approval of the attached standard lease application, I will forfeit my current LPAs near Scrag Island named MAND121, MAND221, MAND321, MAND421.

Sincerely,


Matt Anderson

5/8/2021

17. ESCROW ACCOUNT OR PERFORMANCE BOND

Check the category that describes your operation:

Check Here	Lease Category	Amount of Required Escrow or Performance Bond
<input type="checkbox"/>	No gear/structure, no discharge	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 square feet of structure.

I, (printed name of applicant) Matthew Odlin 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.

Matthew Odlin

9/14/21

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 Chapter 2.64(10) (D) and if this proposed lease is granted by DMR, I will either open an escrow account or obtain a performance bond, in the amount determined by the lease category.

Applicant Signature

Date


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

18. APPLICANT SIGNATURE PAGE

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

Printed name: Matthew Odlin

Title (if corporate applicant): Manager

Signature:  Date: 09/14/21

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: _____



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: Restorative Aquaculture LLC
2. Date of incorporation: October 21, 2020 State of incorporation: Maine

3. List the names, addresses, and titles of all officers:		
Name	Address	Title
Matthew Odlin	P.O. Box 10304 Portland, ME	Owner

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

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

Name	Address

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 MID WCx Active Experimental lease, MID GIX2 Active Experimental Lease

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
Matthew Odlin	P.O. Box 10304 Portland ME	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
Matthew Odlin	P.O Box 10304 Portland ME	MID GIX2	3.28 Acres
Matthew Odlin	P.O. Box 10304 Portland, ME	MID WCx	3.2 acres

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.

RESTORATIVE AQUACULTURE, LLC

**ACTIONS TAKEN BY UNANIMOUS WRITTEN CONSENT
OF THE SOLE MEMBER AND MANAGER WITHOUT MEETING**

The undersigned, being the sole member of Restorative Aquaculture, LLC, a Maine limited liability company (the "**Company**") and sole Manager of the Company, hereby consent to and hereby take the following actions without holding a meeting, such actions being stated in the form of and to be as fully effective as if taken by resolution of the members of the Company at a meeting thereof duly called and held on the date hereof:

RESOLVED: That the assignment of the one hundred percent (100%) Membership Interest in the Company owned by Running Tide Technologies, Inc. be and hereby is approved ("**Assignment**");

RESOLVED: That, with respect to the Assignment, the Company hereby waives all transfer restrictions set forth in the Company's Limited Liability Company Agreement dated as of October 21, 2020 (the "**LLC Agreement**") or otherwise, including, without limitation, all rights of first refusal that the Company may have;

RESOLVED: That Matthew Odlin, as Manager of the Company, be and hereby is, authorized and empowered, for and on behalf of the Company, to execute and deliver such agreements, documents and instruments and take such further action he may deem necessary or convenient in order to consummate the Assignment, all in forms approved by him, such approval to be conclusive by his execution and delivery thereof;

RESOLVED: That, effective as of the date hereof **Schedule A** of the LLC Agreement be and is hereby replaced in its entirety with the **Schedule A** attached hereto; and

RESOLVED: That all actions, agreements and certificates hereto before taken or given by the Manager of the Company in connection with the foregoing are hereby ratified and confirmed.

Dated and made effective as of the __13th__ day of May, 2020.

SOLE MEMBER

Running Tide Technologies, Inc.

DocuSigned by:
By: Claire Faugier
Name: 5F71740DE62A464...
Title:

SOLE MANAGER

DocuSigned by:
Matthew Odlin
Matthew Odlin 83FA0804F57F424...

Schedule A

RESTORATIVE AQUACULTURE, LLC

MEMBERS

As of May _13th_, 2021

Member's Name and Address	Capital Contribution	Membership Interest
Matthew Odlin P.O. Box 10304 Portland, ME 04104	\$100	100%

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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: ___Goose Island Oysters LLC

2. Date of incorporation: ___January 7, 2019___ State of incorporation: ___Maine___

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

Name	Address	Title
Matthew Odlin	P.O. Box 10304 Portland, ME	Owner

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

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

Name	Address

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 Restorative Aquaculture LLC- Draft Application stage
Wilson Cove LLC- Current Active Experimental

If you selected "yes," please indicate who ^{Lease} 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
Matthew Odlin	P.O. Box 10304 Portland, ME	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 based on the percentage of owned stock listed in question 6. If none, write, "None."

Name	Address	Lease Acronym	Acreage
Matthew Odlin	P.O. Box 10304 Portland, ME	MID Glx2	3.28 acres
Matthew Odlin	P.O. Box 10304 Portland, ME	MID WCx	3.2 acres

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



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: ___Wilson Cove Oysters LLC

2. Date of incorporation: _January 7, 2019_ State of incorporation: _Maine_

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

Name	Address	Title
Matthew Odlin	P.O. Box 10304 Portland, ME	Owner

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

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

Name	Address

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 Restorative Aquaculture LLC- Draft Application stage
Wilson Cove LLC- Current Active Experimental

If you selected "yes," please indicate who ^{Lease} 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
Matthew Odlin	P.O. Box 10304 Portland, ME	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 based on the percentage of owned stock listed in question 6. If none, write, "None."

Name	Address	Lease Acronym	Acreage
Matthew Odlin	P.O. Box 10304 Portland, ME	MID GIx2	3.28 acres
Matthew Odlin	P.O. Box 10304 Portland, ME	MID WCx	3.2 acres

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