

STANDARD LEASE APPLICATION: NON-DISCHARGE**1. APPLICANT CONTACT INFORMATION**

Applicant	Great Ledge Cove Seafood, LLC		
Contact Person	Justin Papkee		
Address	15 Leavitt Street		
City	Long Island		
State, Zip	Maine, 04050		
County	Cumberland		
Telephone	(207) 766-0000		
Email	GreatLedgeCove@gmail.com		
Type of Application	<input checked="" type="checkbox"/> Draft Application [submitted before scoping session session]		<input type="checkbox"/> Final Application [submitted after scoping session]
Dates	Pre-Application Meeting: 5/31/22	Draft Application Submitted:	Scoping Session:
Payment Type	Draft Application: <input type="checkbox"/> Check (included) <input checked="" type="checkbox"/> Credit Card	Final Application: <input type="checkbox"/> Check (included) <input type="checkbox"/> Credit Card	

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

2. PROPOSED LEASE SITE INFORMATION

Location of Proposed Lease Site	
Town	Long Island
Waterbody	Casco Bay
General Description (e.g. south of B Island)	South of Little Chebeague Island, Northwest of Channel Rocks
Lease Information	
Total acreage requested (100-acre maximum)	9.03 acres
Lease term requested (20-year maximum)	20 years
Type of culture (check all that apply)	<input type="checkbox"/> Bottom (no gear) <input checked="" type="checkbox"/> Suspended (gear in the water and/or on the bottom)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

3. GROWING AREA DESIGNATION

Directions: Information for growing area designations can be found here:

<https://www.maine.gov/dmr/shellfish-sanitation-management/closures/index.html>

Growing Area Designation (e.g. WL):	WI
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 your plans at the following email: DMRPublicHealthDiv@maine.gov

4. SPECIES INFORMATION

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

Name of species to be cultivated (include both common and scientific names):	Name and address of the source of seed stock or juveniles	Maximum number (or biomass) of organisms you anticipate on the site at any given time
1. Sugar Kelp (<i>Saccharina latissima</i>)	Atlantic Sea Farms 20 Pomerleau Street Biddeford, Maine 04005	100,000 lbs
2. Skinny Kelp (<i>Saccharina angustissima</i>)	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	100,000 lbs
3. Winged Kelp (<i>Alaria esculenta</i>)	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	20,000 lbs
4. Horsetail / Fingered Kelp (<i>Laminaria digitata</i>)	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	20,000 lbs
5. Shotgun Kelp (<i>Agarum cribosum</i>)	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	20,000 lbs
6. Dulse (<i>Palmaria palmata</i>)	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	10,000 lbs
7. Nori/Laver (<i>Porphyra</i> spp.)	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	10,000 lbs
8. <i>Gracilaria tikvahiae</i>	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	10,000 lbs

9. Irish Moss (<i>Chondrus crispus</i>)	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	10,000 lbs
10. Sea Lettuce (<i>Ulva lactuca</i>)	Atlantic Sea Farms 20 Pomerleau St. Biddeford, ME 04005	10,000 lbs

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 (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
Marine Algae Culture Lines/Longlines	½”-diameter rope; 1,000’ long	Seasonal: October 1st-June 1st	30 lines, spaced 10’ apart	Marine Algae
Moorings balls	A3 or A4 poly balls; approx. 2’ diameter	Year-round	56 total	Marine Algae
Moorings lines	3-strand, 1” nylon rope; ~50-55’ long	Year-round	62 sections	Marine Algae
Moorings chain	½” Galvanized mooring chain, ~ 3’ long	Year-round	62 sections	Marine Algae
Required Lease markers (corners & every 200 yds)	Low drag buoys; approx. 16” diameter	Year-round	6 total	Marine Algae

Moorings/ Anchors (Either Screw Anchor, Pyramid Anchor, and/or Concrete/ granite block - depending on bottom type. We will attempt the screw anchors, but if we hit rock or hard bottom one of the other types must be used.)	10" Screw Anchor and/or 800lb Pyramid Anchor; 16"x16"x16" and/or 2000lb block; 18"x12"x36"	Year-round	62 total	Marine Algae
Depth control buoys	Traditional lobster buoys; approx. 7"x14"	Seasonal: October 1st-June 1st	up to 10 per culture line, 300 total	Marine Algae
PVC Pipe	7' long; ½" diameter	Seasonal: October 1st-June 1st	up to 10 per culture line, 300 total	Marine Algae
Counterweights for depth control lines	10 lbs; 4"x8"	Seasonal: October 1st-June 1st	up to 10 per culture line, 300 total	Marine Algae

B. Maximum Structure and Mooring System Schematic

Directions: Include drawings of your maximum gear layout. Include units referenced (i.e. 10in, 10ft, etc.).

1. Overhead View. Please include the following and label as “Overhead View”:
 - Maximum layout of gear, including moorings.
 - Length and width of project.
 - Approximate spacing between gear.
 - Lease boundaries and the location of proposed corner markers and any additional gear markers that would be present.

2. Cross-Section View. Please include the following and label as “Cross-Section View”:
 - The sea bottom.
 - Profile of gear in cross-section as it will be deployed.
 - Label gear with dimensions and materials.
 - Show mooring gear with mooring type, scope, hardware, and line type and size.
 - Depth of gear in relation to the water’s surface at mean low water and mean high water (if applicable).

Note: Please include an additional Cross Section View, depicting the elements listed above, if there will be seasonal changes to gear layout (i.e. over wintering).

C. On-Site Support Structures

1. Describe structures such as barges, sheds, etc., to be located on-site. Provide a schematic and indicate the dimensions, including height above sea level, materials, etc.
N/A
2. Describe the storage and use of oil, gasoline, or other hazardous materials on site. If petroleum products are to be stored on site, provide a spill prevention plan.
N/A

D. Gear Color

Provide the color of the gear and structures proposed to be used at the lease site.
No structures will be located at the lease site. During the growing season, various colored lobster buoys (each line will have a different color) will be deployed, as part of the depth control devices, approximately every 100-feet along the culture lines, as needed. White and orange polyballs will mark moorings year-round. As required, yellow low drag buoys with reflective material will be deployed year-round to mark the corners and boundaries of the lease.

E. Equipment Layout

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

F. Marking

Will you be able to mark your site in accordance with DMR regulations, Chapter 2.80? In part, this requires marker buoys which clearly display the lease ID and the words SEA FARM to be located at each corner of the lease. Effective January 1, 2023, marker buoys need to be yellow and host reflective material. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If you answered no, explain why and suggest alternate markings.
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 the following information for each species. Please attach additional pages if needed.

A. Please explain your proposed seeding activities. What months will seeding occur and how often will you be onsite to seed during this time.

Seeding will occur no earlier than October 1st and will be completed by the end of December. Depending on weather and seed availability, seeding should take 3-6 days.

B. Please explain your proposed tending/maintenance activities.

The site will be tended to weekly during the growing season to check on the lines and moorings. Seaweed will be monitored during these visits for growth and fouling.

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

Weather permitting we will check on the site weekly and after severe weather events, until harvest.

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

The longlines will be lifted using hydraulics on a lobster boat and the kelp will be harvested by hand from the culture line.

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

Harvesting and removal of longlines will occur between April - June, and will require 15-30 days on site depending on the amount of kelp grown during the season.

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.

After the kelp is harvested from the longlines, the lines will be removed and stored on shore until the following fall when seeding begins again. The mooring system (moorings, mooring chains, mooring lines, and mooring balls) and all required lease markers will remain in place on site year-round.

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

N/A

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

Examples may include:

- Submerging suspended gear and associated product at a depth sufficient to deter roosting for two weeks before harvest
- Attaching physical deterrents (i.e. zip ties) to gear
- The site is proposed for the culture of seed only
- The site is proposed for the culture of adductor-only scallops (i.e. no other shellfish species would be grown on the site)
- Proposed gear would always be suspended below the surface of the water at a depth sufficient to deter roosting (i.e. as is common for scallop lantern nets)

N/A

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 Maine registered 40’ Wayne Beal and an 18 foot skiff will be used on the site. The boats will be on site for 3-6 days during seeding, at least once a week for tending during growing season, 15-30 days during harvest season.

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?

N/A

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

There should be no undue noise associated with the boat or small outboard skiff, as activity will only require low rpm.

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.

No work lights will be used on site, except in the case of an emergency.

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

Work outside of daylight hours will only be undertaken in emergency situations and will be extremely rare.

10. CURRENT OPERATIONS

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

A. Describe your existing aquaculture operations, including the acronyms of all active leases and/or licenses.

I currently have two experimental leases, CAS CHANx and CAS LCI3x.

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.

Experimental lease CAS LCI3x is set to expire on 11/30/2022 and would be replaced with this standard lease application. Experimental lease CAS CHANx expired on 5/31/2021 and a standard lease application has been submitted to replace this site.

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?

25-40 feet

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

33-48 feet

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

The current runs in many directions during the rising and falling of the tides due to the unique makeup of the area. Estimated tidal flow is between 0 and 2 knots.

<p>D. The following questions (D.1 through D.6) may be answered in writing or by submitting a video. If you plan to submit a video, please contact the Department prior to video collection.</p>
<p>1. What are the bottom characteristics (mud, sand, gravel, rock, ledge or some mix, etc.)?</p>
<p>The bottom is made of mud and shale.</p>
<p>2. Describe the bottom topography (flat, steep rough, etc.).</p>
<p>The bottom slopes down from 30 feet to 40 feet and then gradually back up.</p>
<p>3. Describe marine organisms by species or common names. Based on your personal observations or other sources of information, are these species abundant, common, or rare?</p>
<p>Crabs, juvenile lobsters, and cunner fish are commonly observed in the area.</p>
<p>4. Are there shellfish beds or fish migration routes in the surrounding area? If so, please describe.</p>
<p>N/A</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>Based on data collected in 2018, the proposed lease is outside of the eelgrass zone. Eelgrass beds are generally observed in shallow waters which allow for adequate light penetration to support photosynthesis. The proposed site is in a water depth between 35ft (MLW) and 33ft (MHW) which is not ideal habitat for eelgrass.</p>

6. Describe the general shoreline and upland characteristics (rocky shoreline, forested, residential, etc.)
The site is not located near shore line - Little Chebeague is more than 1,000 feet North of the site and Long Island is more than 2,000 feet Southeast of the site.

E. Is your proposed lease located within a Maine Department of Inland Fisheries and Wildlife designated Essential Habitat? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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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 c) frequency and d) proximity to the lease site for each existing use.
1. Commercial Fishing
There is very light lobster fishing in the area during the summer months, which will be able to continue as we plan to only use the site during the fall-spring months.
2. Recreational Fishing
There may be some recreational summer fishing for mackerel and striper near the proposed site which should not be affected.

3. Boating Activities (please also include the distance to any navigable channel(s) from your proposed site at low water)
The proposed site is approximately 675 feet from the nearest channel.
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.)
N/A
5. Other uses (kayaking, swimming, etc.)
People may kayak through the area, but that will remain unaffected by the proposed site location.

B. Are there private docks, moorings, or other access points within 1,000 feet of the proposed lease? If yes, please include approximate distance from the proposed lease.
There are no private docks, moorings, or other access points within 1,000 feet of the proposed lease.

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.
There are no public beaches, parks, or docking facilities within 1,000 feet of the proposed lease site. The closest land is Little Chebeague Island, which is an undeveloped island owned by Long Island and Chebeague Island, located in Cumberland County.

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>

Yes, there are two standard aquaculture lease sites (CAS LONG and CAS LCI2) North and one experimental lease site (CAS LCI4x) West of the area which should be unaffected.

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 lease is granted we ask that fixed gear and dragging be excluded from within the boundaries of the site while the longlines are in the water (October 1st - June 1st). All recreational fishing, boating activities, and other activities may continue given that no vessel with a draft greater than 7 feet transit the area from October 1st - June 1st while the culture lines are in the water.

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 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?

The site will be accessed from Long Island or Portland where we dock our Maine registered lobster boat and/or a small skiff.

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

The proposed activities should not impact riparian ingress or egress.

RIPARIAN LANDOWNER LIST

****THIS LIST MUST BE CERTIFIED****

On this list, please show the current landowners' names and mailing addresses as listed in the municipal tax records for all riparian shorefront parcels within 1,000 feet of the proposed lease site along with the map and lot number for each parcel. **It is the applicant's responsibility to assemble the information for the Town Clerk to certify.** The Town Clerk *only* certifies that the information is correct according to the Town's records. Once you have completed the form, ask the Town Clerk to complete the certification section below. If the parcels are within more than one municipality, provide a separate, certified riparian list for each municipality.

TOWN OF:

MAP #	LOT #	Landowner name(s) and address(es)

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, _____, Town Clerk for the Town of _____ certify that the names and addresses of the property owners listed above, as well as the map and lot numbers, are those listed in the records of this municipality and are current as of this date.

SIGNED: _____ **DATE:** _____

15. TECHNICAL CAPABILITY

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

We have been successfully growing kelp at this site on an experimental lease for 3 years, as well as at lease site CAS CHANx for 4 years. Seeing that the site is viable, we seek to convert the experimental site to a standard site.

16. FINANCIAL CAPABILITY

A. Financial Capability

Please provide a letter from a financial institution indicating the applicant has an account in good standing.

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

Please see attached letter.

B. Cost Estimates

Please provide cost estimates of the proposed aquaculture activities.

Much of the same gear and equipment we use for lobster fishing (i.e. rope, buoys, etc.) will be repurposed for use on the lease site. Additionally, we already have purchased half of the needed gear and are currently deploying that gear on the experimental lease site. Moorings and other needed equipment will be purchased as necessary.

17. ESCROW ACCOUNT OR PERFORMANCE BOND

Check the category that describes your operation:

Check Here	Lease Category	Amount of Required Escrow or Performance Bond
<input type="checkbox"/>	No gear/structure, no discharge	\$500.00
<input type="checkbox"/>	No gear/structure, discharge	\$500.00
<input type="checkbox"/>	≤ 400 square feet of gear/structure, no discharge	\$1,500.00
<input checked="" type="checkbox"/>	>400 square feet of gear/structure, no discharge	\$5,000.00*
<input type="checkbox"/>	Gear/Structure, discharge	\$25,000.00

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

I, (*printed name of applicant*) Great Ledge Cove Seafood LLC 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.

Justus Pappas managing member 9/15/2022
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: Justin Papkee

Title (if corporate applicant): Managing Member

Signature:  Date: 9/15/2022

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

Note:

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

Additional Applicant:

Printed name: _____

Title (if corporate applicant): _____

Signature: _____ Date: _____

19. LANDOWNER/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.

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

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

Figure 1. Section 5 - Vicinity Map

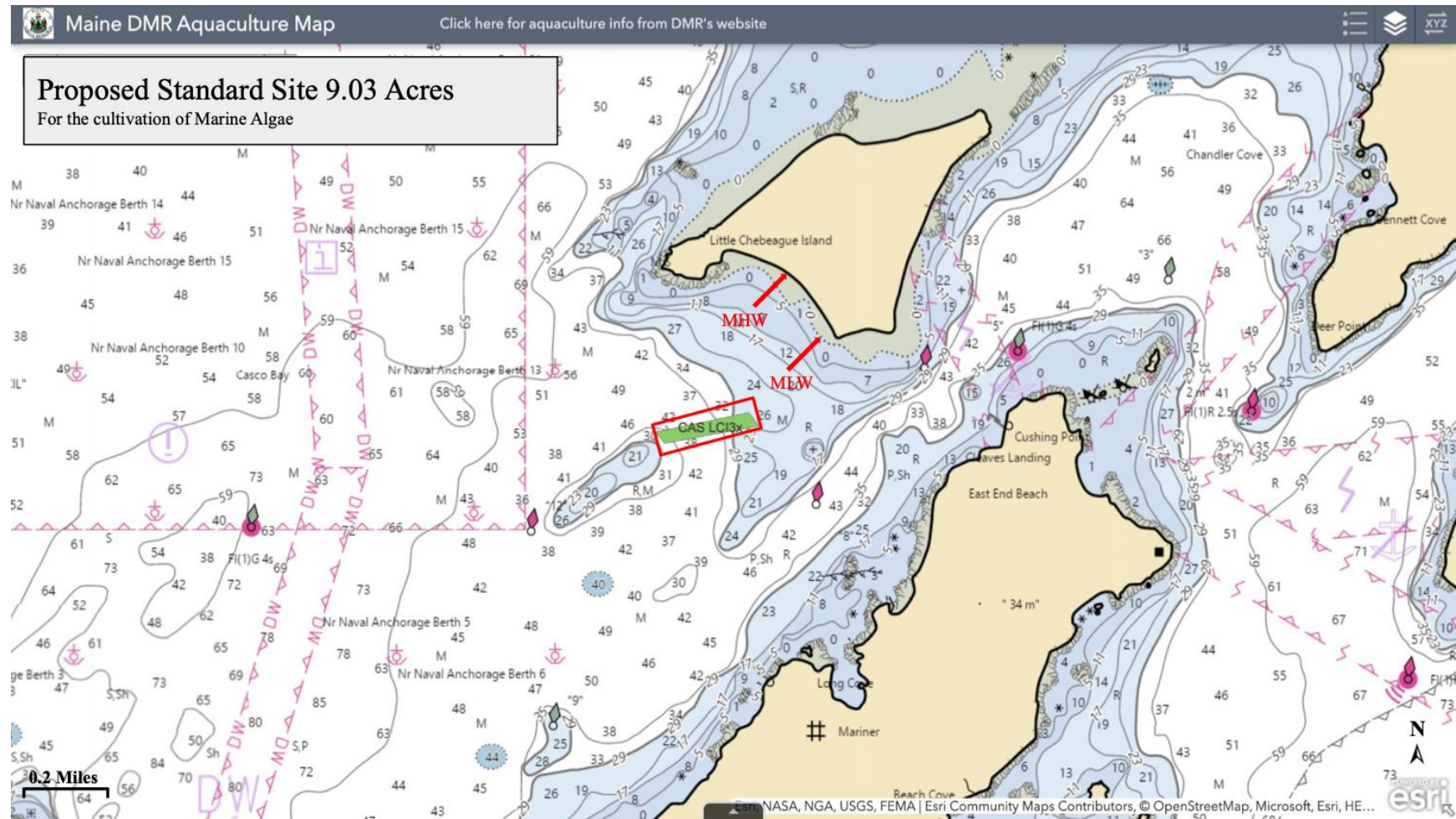
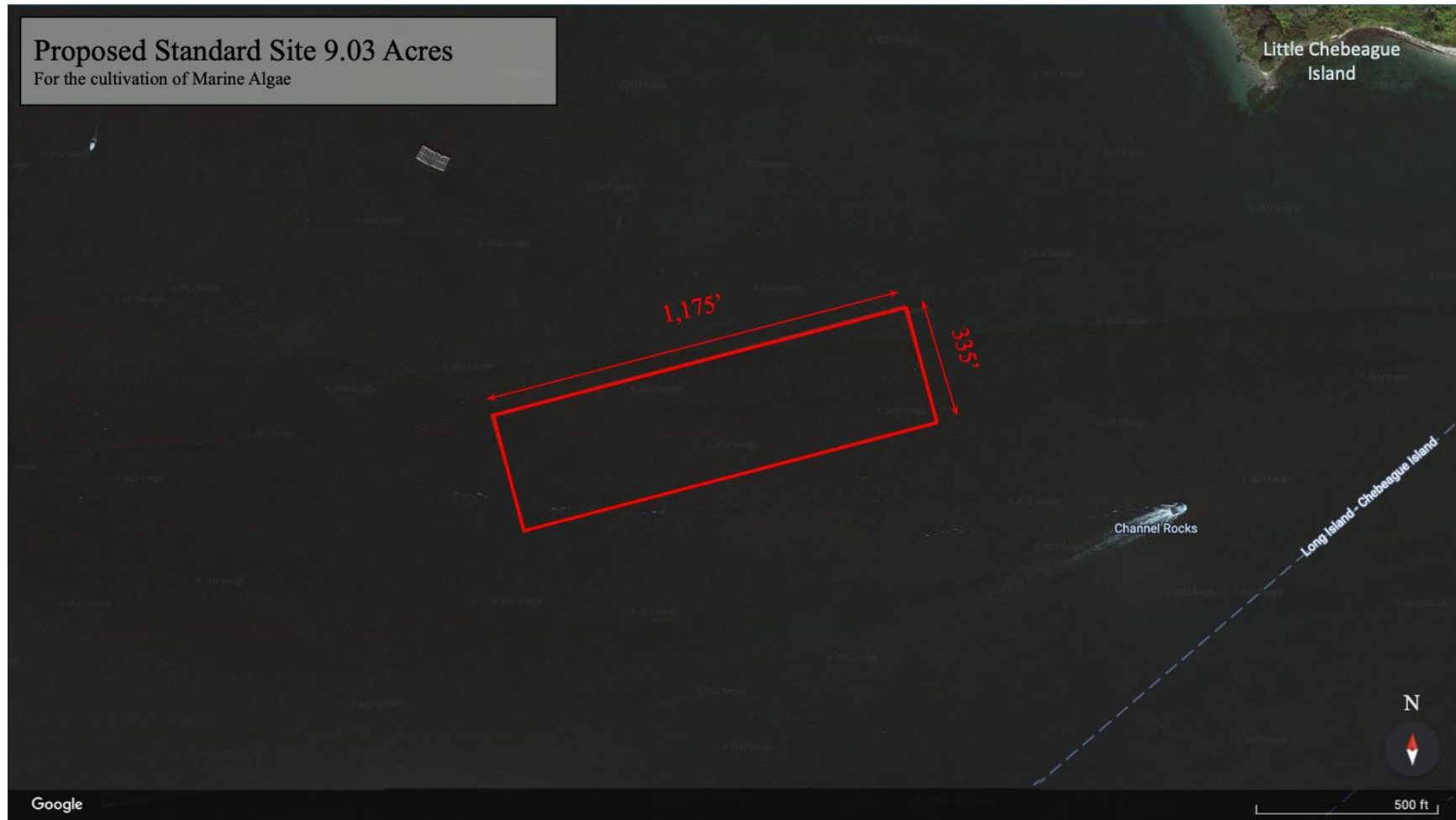


Figure 2. Section 6 - Boundary Drawing



Coordinates:

- **NE:** 43° 42' 24.408"N, 70° 9' 8.568"W
- **NW:** 43° 42' 21.42"N, 70° 9' 24.048"W
- **SE:** 43° 42' 21.24"N, 70° 9' 7.308"W
- **SW:** 43° 42' 18.252"N, 70° 9' 22.788"W

Figure 3. Section 7 A1 - Gear Drawing



Marine Algae Culture Lines/Longlines
Length: 1,000 feet
Diameter: 1/2-inch



Mooring Ball
Description: A3 or A4 Polyballs
Height: 23 inches
Diameter: ~2 feet



Mooring Line
Description: 3-strand rope
Length: ~50-55 feet
Diameter: 1-inch



Mooring Chain

Description: Galvanized chain
Length: ~3 feet
Diameter: 1/2 -inch



Required Lease Markers
Description: Low-drag buoys
Height: 37 inches
Diameter: ~16 inches



Screw (Helical) Anchor
Length: 96 inches
Width: 10 inches
Diameter: 1 ¼- inches



Pyramid Anchor
Length: 16 inches
Width: 16 inches
Height: 16 inches
Weight: 800 pound



Concrete or granite block
Length: 36 inches
Width: 18 inches
Height: 12 inches
Weight: 2000 pound



Depth Control Buoys
Description: Traditional lobster buoys
Height: 37 inches
Diameter: ~16 inches Lobster buoys used for depth control lines



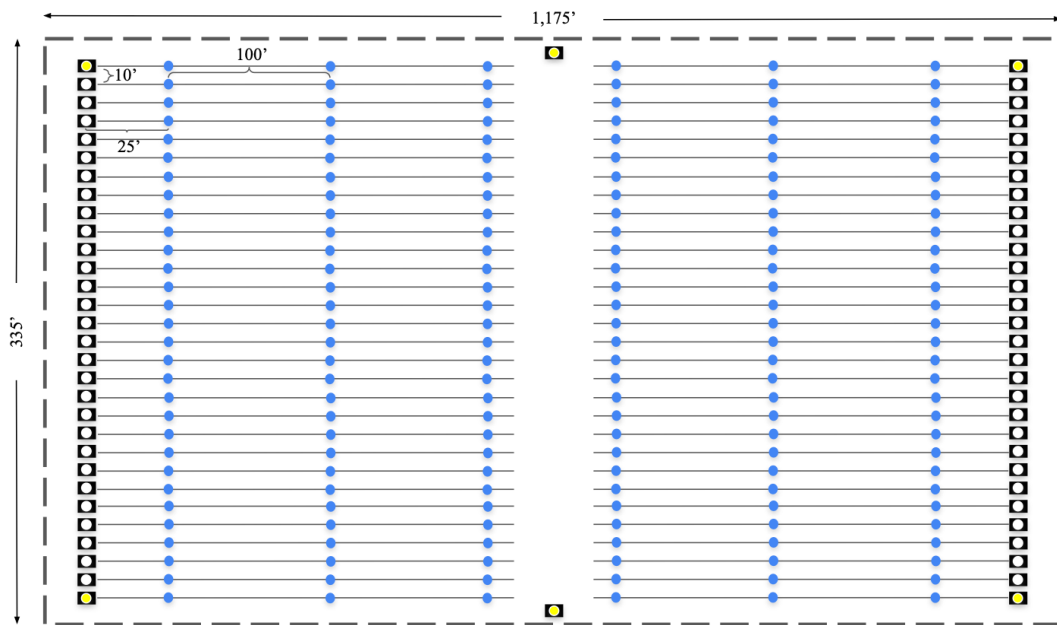
PVC Pipe for Depth Control lines
Length: 7 feet
Diameter: ½-inch



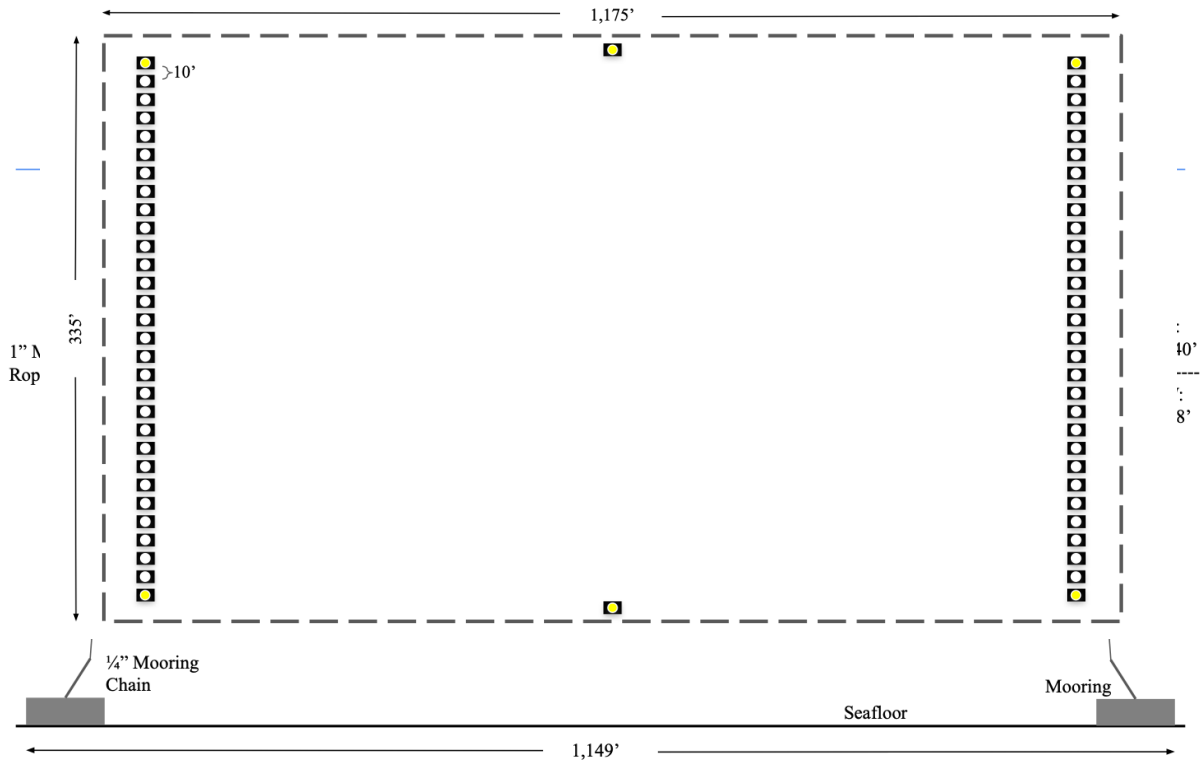
Counterweights for Depth Control Lines
Height: ~8 inches
Circumference: ~2-4 inches
Weight: ~10 pounds

Figure 4. Section 7 B1 - Overhead View

During Growing Season (October 1st - June 1st)



During Off-Season (June 2nd - September 30th)



Grey Dashed Line (---): Lease Boundary
 Solid Black Lines (—): Culture Lines / Longlines
 Black Rectangles (■): Moorings/Anchors

White Circles (○): Mooring balls
 Yellow Circles (●): 2023 required lease marking requirements
 Blue Circles (●): Depth Control Lines with buoy and weight

Figure 5. Section 7 B2 - Cross-Section View

During Growing Season (October 1st - June 1st)

During Off-Season (June 2nd - September 30th)

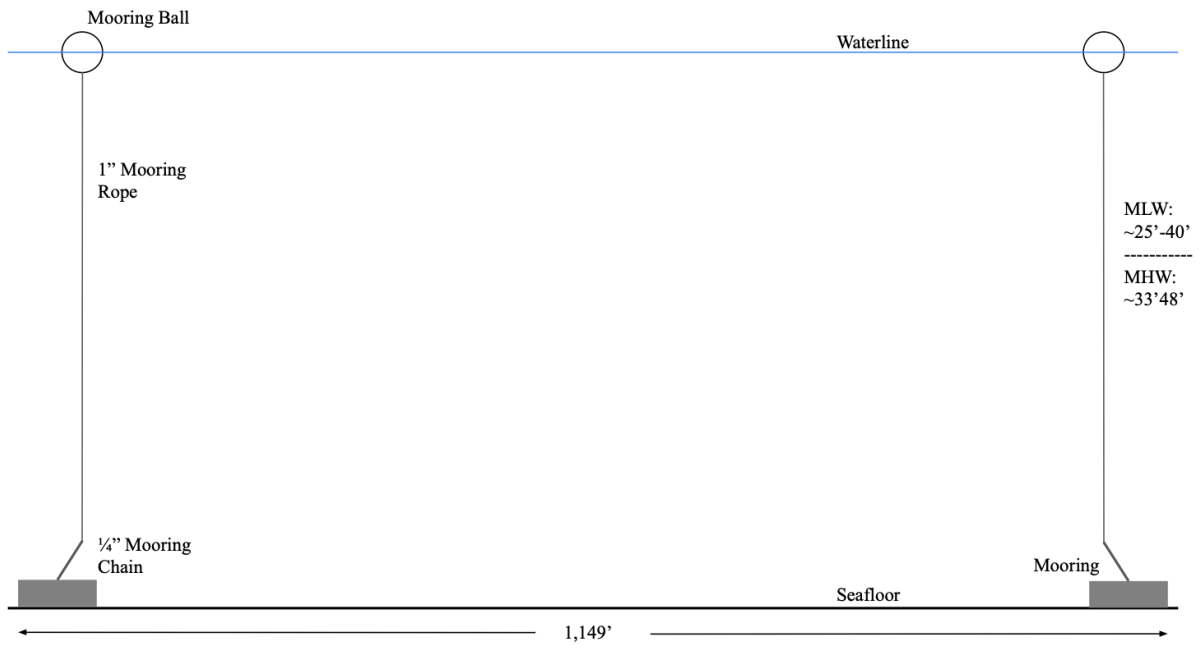


Figure 6. Section 7 E - Equipment Layout



View from East end of farm looking westward.



View from West end of farm looking eastward.



August 23, 2022

Great Ledge Cove Seafood LLC
151 Leavitt St
Long Island, ME 04050
To Whom It May Concern:

Gorham Savings Bank currently holds checking accounts for Great Ledge Cove Seafood LLC; which are in good standing.

The authorized signer on Great Ledge Cove Seafood LLC accounts is Justin Papkee.

If there are further questions, please contact the bank employee, Bret Urban, at (207) 773-4027.

Sincerely,

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

Bret Urban
Universal Banking Associate
Gorham Savings Bank
172 Commercial St
Portland, ME 04101

MAINE
LIMITED LIABILITY COMPANY

STATE OF MAINE

CERTIFICATE OF FORMATION

Filing Fee \$175.00

File No. 20172890DC Pages 2
Fee Paid \$ 175
DCN 2170052270026 DLLC
-----FILED-----
12/13/2016


Deputy Secretary of State

A True Copy When Attested By Signature

Deputy Secretary of State

Pursuant to 31 MRSA §1531, the undersigned executes and delivers the following Certificate of Formation:

FIRST: The name of the limited liability company is:
Great Ledge Cove Seafood, LLC

(A limited liability company name must contain the words "limited liability company" or "limited company" or the abbreviation "L.L.C.," "LLC," "L.C." or "LC" or, in the case of a low-profit limited liability company, "L3C" or "l3c" - see 31 MRSA 1506.)

SECOND: Filing Date: (select one)

- Date of this filing; or
 Later effective date (specified here): _____

THIRD: Designation as a low profit LLC (Check only if applicable):

- This is a low-profit limited liability company pursuant to 31 MRSA §1611 meeting all qualifications set forth here:
- A. The company intends to qualify as a low-profit limited liability company;
 - B. The company must at all times significantly further the accomplishment of one or more of the charitable or educational purposes within the meaning of Section 170(c)(2)(B) of the Internal Revenue Code of 1986, as it may be amended, revised or succeeded, and must list the specific charitable or educational purposes the company will further;
 - C. No significant purpose of the company is the production of income or the appreciation of property. The fact that a person produces significant income or capital appreciation is not, in the absence of other factors, conclusive evidence of a significant purpose involving the production of income or the appreciation of property; and
 - D. No purpose of the company is to accomplish one or more political or legislative purpose within the meaning of Section 170(c)(2)(D) of the Internal Revenue Code of 1986, or its successor.

FOURTH: Designation as a professional LLC (Check only if applicable):

- This is a professional limited liability company* formed pursuant to 13 MRSA Chapter 22-A to provide the following professional services:

(Type of professional services)

Form No. MLLC-6 (1 of 2)

FIFTH: The Registered Agent is a: (select either a Commercial or Noncommercial Registered Agent)

Commercial Registered Agent CRA Public Number: _____

(Name of commercial registered agent)

Noncommercial Registered Agent

Megan C. Hanley

(Name of noncommercial registered agent)

402 Maine Ave.

(physical location, not P.O. Box – street, city, state and zip code)

Farmingdale, ME 04344

(mailing address if different from above)

SIXTH: Pursuant to 5 MRSA §105.2, the registered agent listed above has consented to serve as the registered agent for this limited liability company.

SEVENTH: Other matters the members determine to include are set forth in the attached Exhibit _____, and made a part hereof.

****Authorized person(s)**

Dated 12-8-16



(Signature of authorized person)

Justin L. Papkee

(Type or print name of authorized person)

(Signature of authorized person)

(Type or print name of authorized person)

***Examples of professional service limited liability companies are accountants, attorneys, chiropractors, dentists, registered nurses and veterinarians. (This is not an inclusive list – see 13 MRSA §723.7)**

****Pursuant to 31 MRSA §1676.1.A, Certificate of Formation MUST be signed by at least one authorized person.**

The execution of this certificate constitutes an oath or affirmation under the penalties of false swearing under 17-A MRSA §453.

Please remit your payment made payable to the Maine Secretary of State.

Submit completed form to:

Secretary of State

Division of Corporations, UCC and Commissions

101 State House Station

Augusta, ME 04333-0101

Telephone Inquiries: (207) 624-7752

Email Inquiries: CEC.Corporations@Maine.gov

Form No. MLLC-6 (2 of 2) Rev. 10/31/2012



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: Great Ledge Cove Seafood LLC

2. Date of incorporation: 12/13/2016 State of incorporation: Maine
/

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

Name	Address	Title
Justin Papkee	15 Leavitt St Long Island ME 04050	Managing Member

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

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

Name	Address
Justin Papkee	15 Leavitt St Long Island ME 04050

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

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

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

Great Ledge Cove currently operates two experimental leases for growing Kelp. CHANx and LCI3x

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
Justin Papkee	15 Leavitt St Long Island ME 04050	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
Justin Papkee	15 Leavitt St Long Island ME 04050	CHANx	3.57
Justin Papkee	15 Leavitt St Long Island ME 04050	LCI3x	3.73

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

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

Yes No

If you selected “yes”, please provide details.

B. Partnership Applicant

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

1. Name of Partnership: _____

2. Date of formation: _____ State of partnership: _____

3. List the names, addresses, and ownership shares of all partners:

Name	Address	Ownership Shares

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

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

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

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

Name	Address	Lease Acronym	Acreage

--	--	--	--

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

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

Yes No

If you selected "yes", please provide details.

September 15, 2022

To whom this may concern,

My name is Craig Stewart. I am writing this letter in support of Justin Papkee's kelp farm near Little Chebeague Island. I lobster and scallop near the farm and coexist very well with where it is located. I have never seen scallops there. If any questions I would be more than happy to answer them.

Thank you,



Craig Stewart

Long Island, Maine

phone (207) 653-6914

lobster license: 2641b

scallop: 1033-s

Stephen R. Train

33 Vernon Rd

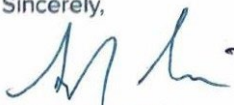
Long Island Me.04050
(207) 712-3257
FVHATTIEROSE@aol.com

15th of September 2022

To whom this may concern,

My name is Steve Train and I have fished the waters in and around Little Chebeague Island for most of my life. I have set lobster traps there since my childhood in the 70's to the present day. I have towed a scallop drag there and even tried towing an urchin drag there in the early 90's. I can tell you that the lease area requested by Justin Papkee of Great Ledge Cove will not interfere with commercial fishing practices that go on there. It is not scallop bottom and the few lobsters that could be caught there were travelling through and can still be caught just outside of the lease. Very little lobster gear was ever in there in comparison to nearby places anyway and I'd expect it would not interfere with the kelp seeding, growing and harvesting season.

Sincerely,



Stephen R. Train