

STANDARD LEASE APPLICATION: NON-DISCHARGE

1. APPLICANT CONTACT INFORMATION

Applicant	Ferda Farms LLC		
Contact Person	Maxwell Burtis		
Address	9 Pinefields Ln		
City	Brunswick		
State, Zip	Maine, 04011		
County	Cumberland		
Telephone	(207)751-3687		
Email	max@ferdafarms.com		
Type of Application	<input checked="" type="checkbox"/> Draft Application <small>[submitted before scoping session session]</small>		<input type="checkbox"/> Final Application <small>[submitted after scoping session]</small>
Dates	Pre-Application Meeting: 07/17/23	Draft Application Submitted: 11/14/23	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	Harpswell
Waterbody	New Meadows River
General Description (e.g. south of B Island)	East of Bombazine Island
Lease Information	
Total acreage requested (100-acre maximum)	5 acres
Lease term requested (20-year maximum)	10 years
Type of culture (check all that apply)	<input checked="" type="checkbox"/> Bottom (no gear) <input checked="" type="checkbox"/> Suspended (gear in the water and/or on the bottom)
Is any portion of the proposed lease site above mean low water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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. American Oyster, Crassostrea virginica	Mook Sea Farms Inc., 321 State rt. 129 Walpole, ME Muscongus Bay Aquaculture Inc., PO Box 204, Bremen, ME Downeast Institute 39 Wildflower Lane, P.O. Box 83, Beals, Maine 04611	500,000
2. Hard Shell Clam/ Quahog, Mercenaria mercenaria	Muscongus Bay Aquaculture Inc., PO Box 204, Bremen, ME Downeast Institute 39 Wildflower Lane, P.O. Box 83, Beals, Maine 04611	500,000

B. Do you intend to possess, transport, or sell whole or roe-on scallops? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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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 in decimal degrees (e.g., 43.123456 N, -69.123456 W) 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.

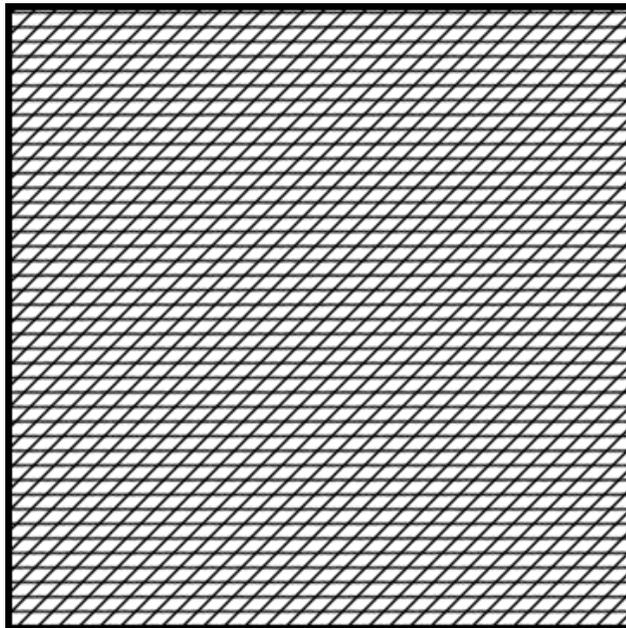
A. Gear Information

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.



Gear Drawing: Rigid Mesh Bag (18.5”x35”x3”)



Gear Drawing: Soft Mesh Bag (4'x4'x0')



Gear Drawing: OysterGro Cage (36"x60"x20")

2. Gear Table: List and describe each individual gear type that you will use in the table below. (e.g. polar circles, marine algae longline, oyster cages, moorings, mooring lines, buoys, etc.).

Specific Gear Type <i>(e.g. soft mesh bag)</i>	Dimensions <i>(e.g. 16"x20"x2")</i>	Time of year gear will be deployed <i>(e.g. Spring, Winter, etc.)</i>	Maximum amount of this gear type that will be deployed on the site <i>(i.e. 200 cages, 100 lantern nets, etc.)</i>	Species that will be grown using this gear type
Rigid Mesh Bag	18.5"x35"x3"	All year	3000	Oysters, quahogs
Soft Mesh Bag	4'x4'	All year	500	quahogs
OysterGro cage	36"x60"x20"	All year	500	Oysters, quahogs
Lateral Line	½"x6'6"	All year	1000	N/A
Longline	½"x300'	All year	40	N/A
Helix Anchor	10"x66"	All year	40	N/A
¾" Thimble	¾"	All year	4	N/A
¾" Shackle	¾"	All year	4	N/A
Marker buoy	7 ¼"x22"	All year	40	N/A
BirdAway	10'x1'	Spring, Summer, Fall	40	N/A
End Line	1/2"x20'	All year	80	N/A
½" Thimble	½"	All year	40	N/A
½" Shackle	½"	All year	40	N/A
½" Anchor Line	½"x44'	All year	40	N/A
¾" Anchor Line	¾"x30'	All year	4	N/A

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.

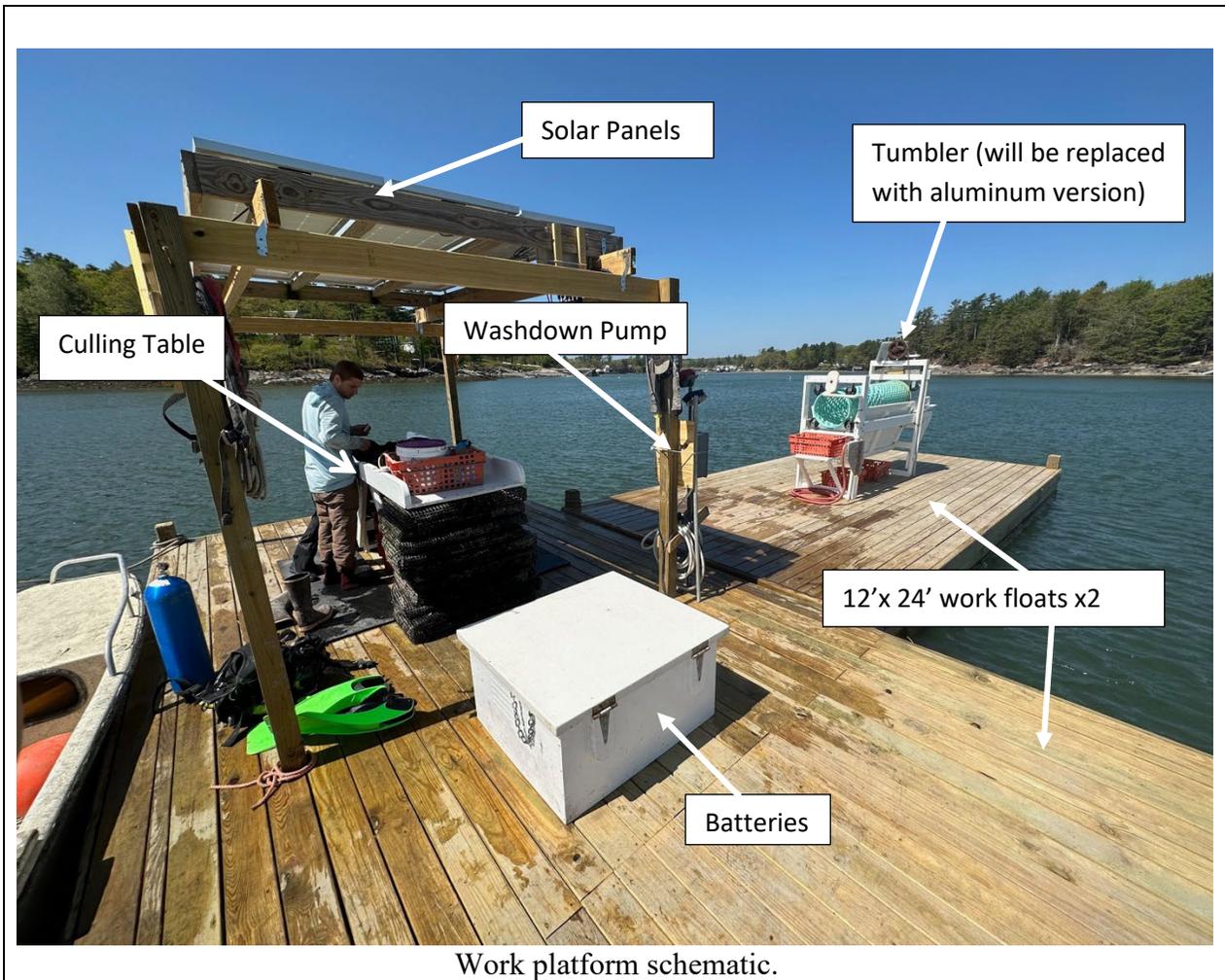
2. Cross-Section View. Please include the following and label as “Cross-Section View”:
 - The sea bottom.
 - Profile of gear in cross-section as it will be deployed.
 - Label gear with dimensions and materials.
 - Show mooring gear with mooring type, scope, hardware, and line type and size.
 - Depth 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. |
|---|

There will be a work platform in the center of the lease. This work platform will include an aluminum oyster tumbler, solar panels, culling table, and washdown pump. All motors will be solar powered. The top of the solar panels will be 12ft above sea level. The platform will be constructed from two 12’x 24’ wood floats that are fastened together in a “T” formation. See the associated cross-section view for details on the mooring setup.



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.

Eight Trojan T105 lead acid batteries will be used in conjunction with the solar panels to power the electric motors. The battery acid in these batteries is considered a hazardous material. These batteries will be secured in a battery box that is bolted to the work platform.

D. Gear Color

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

The oyster bags and cages are black, the marker buoys are yellow, the work floats are wood (tan), and the aluminum tumbler is grey.

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.



Vantage Point 1. Taken from the north end of Bombazine Island (43.863911, -69.896631).



Vantage Point 2. Taken facing the east side of Bombazine Island (43.862892, -69.891425).

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.

Yes 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.

Oysters and quahogs will be seeded between the months of May and July. After receiving the seed from the hatchery, the seed will be placed into mesh bags in OysterGro cages. As the seed grows, the density in each bag will be split and the bags will be scrubbed. We will be onsite Monday through Friday from 7:00 am to 3:00 pm during this time.

B. Please explain your proposed tending/maintenance activities.

As the oysters and quahog seed grows their densities will be thinned. They will be moved from fine mesh bags and to larger mesh bags. To combat biofouling, the cages will be flipped out of the water to air dry for 4-48 hours. If needed, bags will be washed using our washdown hose and replaced. Each oyster will be tumbled monthly during between the months of May and November. After the first growing season, quahogs will be moved from surface gear to the bottom. They will either be spread on bottom or will be stored in soft mesh bags. After the first growing season oysters will either be spread on bottom where they will stay until harvest or will remain in surface gear where they will be tumbled regularly until harvest. Tumbling mechanically sorts the oysters by size. Quahogs will be sorted by size manually. Any damaged gear or lines will be repaired promptly.

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

On average, we will handle seed .5 days a week, flip cages .5 days per week, harvest for 1.5 days a week, tumble/sort for 2.5 days per week.

We received consultation regarding a nearby eagle's nest from Thomas Wittig, the Northeast Region Eagle Coordinator for the Division of Migratory Birds of the U.S. Fish and Wildlife Service. Per his recommendation, we will limit boat traffic to one thirty minute or less stop per week within the 330' buffer around the eagle nest on Bombazine Island During the bald eagle breeding season (Feb 1-Aug 15). This buffer includes the most westerly longline on the north side of the lease.

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

To harvest oysters from cages, we will bring a boat alongside and pull the mesh bags into the boat. Quahogs of market size in bags will be harvested by retrieving the mesh bags from the ocean floor with a davit and winch. Quahogs or oysters that are bottom planted will be harvested by drag, bull rake, or diver. The drag will be less than or equal to 4' across and will have teeth that are less than or equal to 3". All of the product will then be culled and washed off on the work platform. Product that is too small to harvest will be returned to growout.

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

We will be at the site daily during harvest periods from 7:00 am to 3:00 pm.

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.

All surface cages will be sunk for winter. The only gear that will remain on surface will be marker buoys at each end of each longline. The work platform will be stored on the shore along the south side of Upper Coombs Island, and BirdAways will also be stored on this float for the winter. On December 7th, 2023, we obtained verbal permission to store our work platform from the owners of Upper Coombs Island, from Pat and Bruce Myer.

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

We aim to control predators by keeping the oysters and quahogs in mesh bags if needed.

- 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)

To minimize the potential pollution impacts that roosting birds may have, we may use the following techniques as necessary:

1. Attach zip ties to floating oyster gear in a sufficient amount to deter roosting.
2. Use the OysterGro BirdAway hawk on a stick system as necessary to deter roosting (pictured below).
3. Wet store product for two weeks prior to harvest at WS-28194



BirdAway system.

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?

We will use a 19' Carolina Skiff with a 2018 Yamaha 70hp 4-stroke outboard engine and a 23' homebuilt fiberglass skiff with a 2020 Yamaha 60hp 4-stroke outboard engine. These vessels will be on the site when we are working Monday through Friday during daylight hours throughout the year.

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?

Our oyster tumbler will be used when we are tumbling and sorting oysters for 7 hours per day for an average of 2.5 days per week during the growing season from April until December. The washdown pump will be used during harvest for 3 hours per day for an average of 1.5 days per week and for about 15 minutes at the end of every workday to clean up the work platform.

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

To reduce the noise from our outboard engines we will not leave them idling and we will run them with proper tilt and trim and at the minimum RPM to work efficiently. All powered equipment will use electric motors and solar panels rather than noisy generators or other machinery with internal combustion engines.

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.

In emergency circumstances described in section E below, we may work onsite before or beyond daylight hours, using no more than four headlamps as a source of light. The headlamps (shielded) will have a four-watt LED bulb.

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

We do not plan to work beyond daylight hours. In the case of an emergency, i.e., to fix damaged gear after a storm, we may work beyond daylight hours.

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.

Persons associated with Ferda Farms currently operate on the following LPAs: CBUR219, CBUR319, MBUR520, MBUR620, MBUR720, MBUR820, SSHA218, SSHA319, SSHA419, CBUR119, CBUR420, SDOR220, SDOR120. We currently produce about 200,000 oysters per year on these LPAs. We also have the following lease application under review, DMR APPLICATION ID: 2022.02.09 S.

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.

If this lease is granted Shawn Shannon’s LPAs SSHA218, SSHA319, SSHA419, and SSHA118 and LPAs belonging to Chris Burtis (applicant), CBUR219 and CBUR319 will be relinquished.

Shawn Shannon
5 Barrows St Brunswick Maine
(207) 272-8829
Shawnshannon8@gmail.com

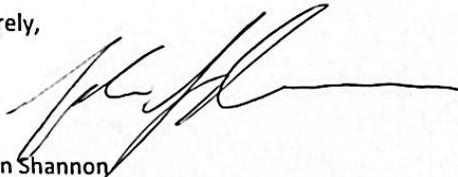
Oct 20, 2023

DEPARTMENT OF MARINE RESOURCES
ATTN: Aquaculture Division
21 State House Station
Augusta, Maine 04333-0021

Dear the Maine Department of Marine Resources Aquaculture Division,

I am writing to let you know that I plan to relinquish my four LPA's SSHA118, SSHA218, SSHA318, and SSHA418 if Ferda Farms LLC's lease located east of Bombazine Island is approved.

Sincerely,



Shawn Shannon

Letter from Shawn Shannon.

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?

Northwest corner: 4'
Northeast corner: 10'
Southwest corner: 4'
Southeast corner: 6'

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

Northwest corner: 13'
Northeast corner: 19'
Southwest corner: 13'
Southeast corner: 15'

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

The approximate ebb is 1 knott to the southeast and the flow is 1 knott to the northwest.

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

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

The bottom characteristics range from 2” to 24” of soft sediment with occasional shell rubble. The occasional lobster burrow has also been observed along the bottom of the site.

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

The bottom topography of the lease area is a gradual downward slope towards the channel to the east.

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?

Based on test dives conducted in November 2021 and in January 2023, we have found no significant abundance of marine species. Snails, and green crabs have been observed and are common around the site. There are American oysters beneath SSHA218, SSHA319, SSHA419 that were discarded from the LPAs.

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

There are shellfish beds along the north Shore of Sebascodegan Island. These beds are ~500’ to the South of the proposed lease. According to the Harpswell Marine Resource Committee, these beds contain a valuable quahog population.

Striped bass and menhaden migrate into the New Meadows in the spring and leave in the fall.

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

There was no submerged aquatic vegetation observed during two dive transects conducted in January 2023 and in November of 2021.

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

The general shoreline is rocky and forested. There are two summer cottages on the north side of Bombazine Island.

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

Yes No

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

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

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

Lobstering occurs in the spring, summer, and fall every day on the New Meadows River. During this time, several traps are fished near the north end of Bombazine Island, 500' to the north of the proposed site. Also, fishing lobstering frequently occurs towards the center of the channel 400' east of the proposed site, but the traps are not as dense as they are to the north of Bombazine Island. Occasionally, and no more than once a month on average, a lobsterman may haul a trap within the lease boundary. No more than two traps have ever been observed within the lease boundary. In the past year, less fishing occurred in the spring and summer in the area, while more fishing occurred in the fall.

Clammers harvest quahogs on the mudflat and sandbars 500' to the south of the proposed lease.

They harvest on average one tide per month year-round.

Pogie fishing occurs between the months of June and November throughout the New Meadows River, but it is most frequent in the months of June, July, and August and usually occurs no more than three days per week. We have observed boats setting purse seines 400' from the lease site.

2. Recreational Fishing

Recreational fishing for striped bass is seen all around the New Meadows and not in one defined location. Recreational fishing takes place in early spring to late fall every day. Recreational fishing has not been observed within the lease boundary. An average of one boat per week through the summer has been observed fishing the north end of Bombazine Island between the shore and the green navigation can, 590' from the proposed lease site. Additionally, an average of one boat per month fishes along the south end of Bombazine Island around the ledges during peak ebb/flood in the summer months, 770' from the proposed lease site.

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

Boaters frequent the main channel to the East of the proposed lease area daily from early spring to late fall. The distance from the east side of the proposed lease to the center of the main channel is 630'.

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.)

There is a dock located on northwest end of Bombazine Island which is used by visitors of the island in the summer months. The dock is 555' from the proposed lease site. People have been observed making day trips to the island less than 5 times in the last three years.

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

Kayakers have been observed on the New Meadows River from early spring to late fall. They can be seen daily in the summer months and weekly in the shoulder seasons. Kayakers check out the current LPAs within the lease 1-4 times per month in the summer and do not come near the proposed lease in the other seasons. Kayakers frequent the Indian rest mooring field 1500' to the west of the proposed site, 3-7 days per week in the summer months.

One local lobster fisherman holds a noncommercial menhaden license and sets a gill net more than 2,000' from the proposed lease 1-5 times a week in the months of June, July, and August.

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 dock on the northwest side of Bombazine Island, 555' from the proposed lease. There are four moorings: Harpswell #1862 (764' away), Harpswell #1856 (118' away), Harpswell #0730 (408' away), and Harpswell #1076 (905' away).

Per recommendation of the Harpswell Harbor Master, Paul Plummer, the owners of the nearest two moorings were contacted on 3/1/23 by email and phone but no response was received.

Shellfish harvesters access the shellfish bed to the south of Bombazine Island by driving their skiffs along the east shore of the island, 150' from the proposed lease 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.

No.

D. Are there any Limited Purpose Aquaculture (LPA) licenses or aquaculture leases within 1,000 feet of your proposed lease site? If yes, please list their acronyms below.

Current and pending aquaculture leases and active LPA licenses may be found here: <https://www.maine.gov/dmr/aquaculture/leases/index.html>

Yes. SSHA218, SSHA319, SSHA419, SSHA118.

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.

We ask that the commercial harvest of any species via drag, bull rake, or diver be excluded from occurring within the boundaries of the lease site.

This exclusion does not apply to the commercial fishing activities listed in the 'Existing Use' section because the commercial harvest of any species via drag, bull rake, or diver has not been observed within the lease boundaries and was therefore not listed in the 'Existing Use' section.

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.

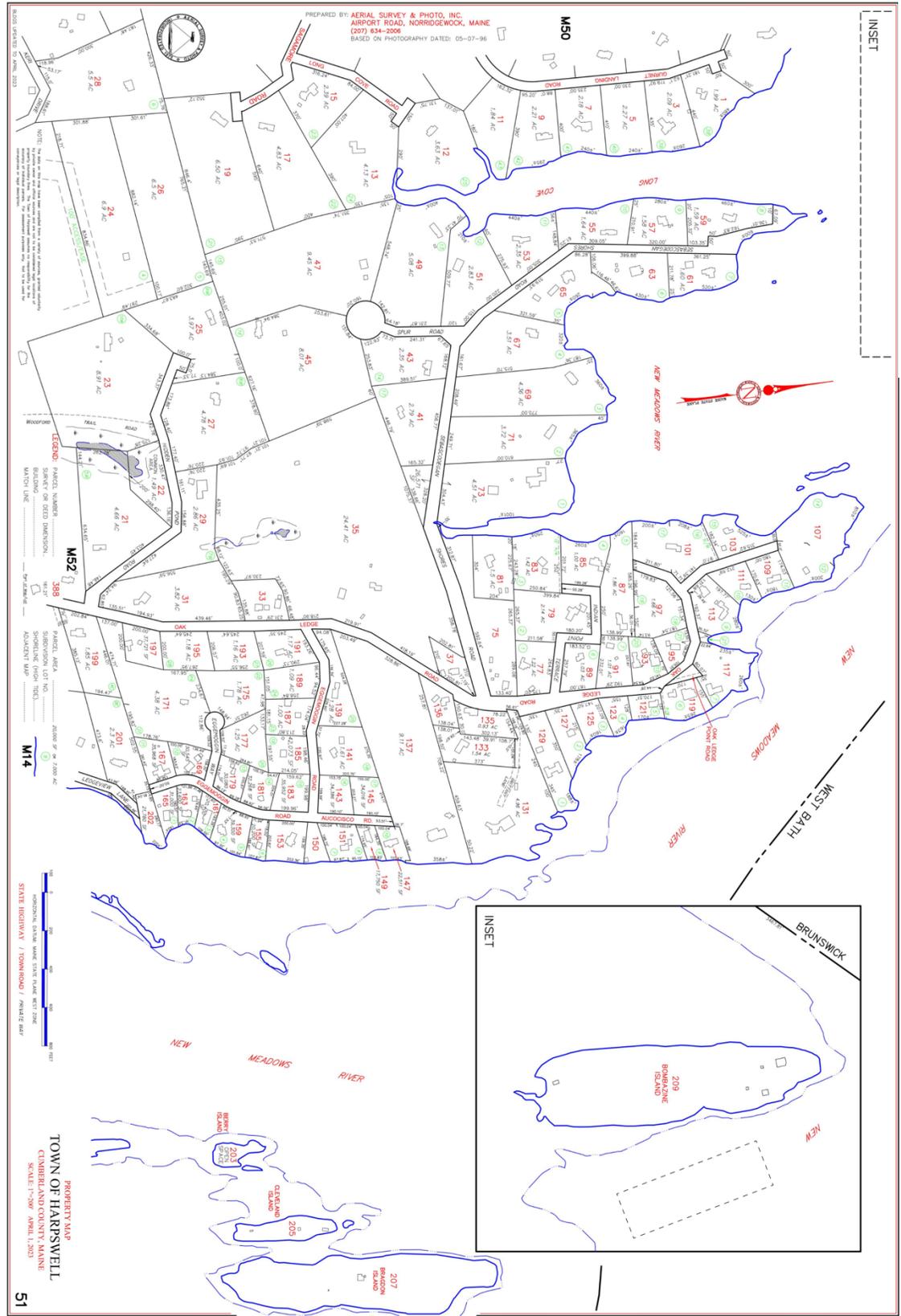
C. How will you access the proposed site?

We will access the proposed site by boat in either our 19’ Carolina Skiff or our 23’ homebuilt fiberglass skiff.

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

The proposed site will not impact riparian ingress or egress. Riparians on Bombazine Island access their cottage via a dock on the northwest side of the Island. The proposed lease is on the east side of the island and will not interfere with ingress or egress.

Tax Map: Town of Harpswell



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)
51	209	MALLOY PATRICK E III & CANDACE LIVING TR PO BOX 1979, SAG HARBOR, NY 11963
51	107	JAMISON BENTON N & PHYLLIS R 328 OAK LEDGE RD, HARPSWELL, ME 04079
51	073	MARSTERS MARK P & LAURIE* 50 SEBASCODEGAN SHORE, HARPSWELL, ME 04079
51	071	DAVIDSON MARC L & KATHLEEN M* 20 LONGBROOK RD, BYFIELD, MA 01922
51	069	COOPER JOHN M JR & JUDITH W TRUSTEES* 68 SEBASCODEGAN SHORE ROAD, HARPSWELL, ME 04079
51	061	MATTISON ROGER H & KARLEEN L* 146 MOORINGS PARK DRIVE, APT N101, NAPLES, FL 34105
51	COMMON	GILLEY DAVID J & MARY K 67 SEBASCODEGAN SHORES RD HARPSWELL, ME 04079 REINER DOUGLAS & CHRISTINE E BARNES LIVING TR 306 DEVLIN COURT NAPERVILLE, IL 60565 LEVY ADAM B & SARAH P 19 SPUR ROAD HARPSWELL, ME 04079 ZACKIN MARTHA J 95 BALDWIN STREET CHARLESTOWN, MA 02129

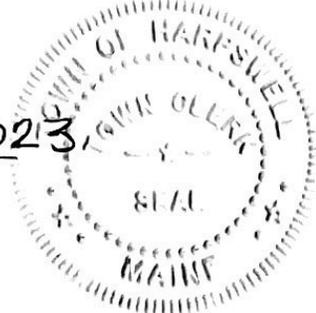
	<p>ROMAN CHARLES T & NANCY G 8 SPUR RD HARPSWELL, ME 04079</p> <p>TREWORGY DAVID 37 SPARWELL LANE BRUNSWICK, ME 04011</p> <p>SCHAAF PHILIP J & CAROLYN COFFIN 103 SEBASCODGAN SHORES RD HARPSWELL, ME 04079</p> <p>LAVIGNE RONALD SR & EILEEN L FLUG 117 SEBASCODGAN SHORES RD CHESTERFIELD, MA 01012</p> <p>JOHNSON BRIAN & LAURA TRUSTEES 123 SEBASCODGAN SHORES RD HARPSWELL, ME 04079</p> <p>CURTS-YUHAS HOLLIE N 137 SEBASCODGAN SHORES RD HARPSWELL, ME 04079</p> <p>LOUNDER CHARLES E & RACHEL A 11 STARLIGHT WAY BRUNSWICK, ME 04011</p> <p>DICK DAVID H 98 SEBASCODGAN SHORES HARPSWELL, ME 04079</p> <p>PATTISON SAMUEL E & BRENDA M 78 SEBASCODGAN SHORES RD HARPSWELL, ME 04079</p> <p>*other owners of common lot listed above</p>
--	---

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, Tracy H Gaudet, Town Clerk for the Town of Harpowell 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: Tracy H Gaudet DATE: 11/09/2023



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.

Max Burtis and Chris Burtis will oversee operations of this lease. Max has been digging clams and harvesting wild oysters on the New Meadows River for the past nine years and both Chris and Max have been farming oysters on the New Meadows River for the past five years. Max has additional experience lobster, tuna, and halibut fishing. Chris has experience fishing for oysters under sail on the Chesapeake Bay and holds a 100 ton USCG captains license.

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.



Letter of Good Standing

Attention Department Of Marine Resources:

This letter is to confirm that Ferda Farms LLC presently holds an account in good standing with Midcoast Federal Credit Union. Presently there are no stop payments, holds, or any other account restrictions in place. The account is eligible to receive deposits, as well as make transfers and payments.

If there are any additional questions, please feel free to contact us at 877.964.3262 with the owner of the account.

DocuSigned by:
Alan McDonald 11/6/2023
DE A011856W304123
Alan McDonald, eServices Manager



Midcoast Federal Credit Union
186 Lower Main Street, Freeport ME 04032
Midcoastfcu.me | Letter of Good Standing, Rev. 11/2023

B. Cost Estimates

Please provide cost estimates of the proposed aquaculture activities.

Leasing: \$500/yr
Labor: \$120,000/yr
Fuel: \$5,000/yr
Gear/Equipment: \$57,000/yr
Seed: \$15,000/yr
Total: \$197,000/yr

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) Maxwell Burdick 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.

Maxwell Burdick 11/10/23
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) CHARIS BURTIS 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.

Charis Burtis 11/10/23
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: Maxwell Burtis

Title (if corporate applicant): owner

Signature:  Date: 11/10/23

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.

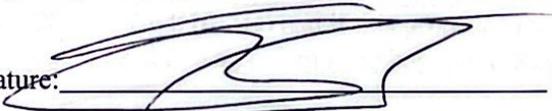
Note:

- 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: CHRIS BURTIS

Title (if corporate applicant): OWNER

Signature:  Date: 11/10/23



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: Ferda Farms LLC
2. Date of incorporation: 7/3/2018 State of incorporation: Maine

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

Name	Address	Title
Maxwell Burtis	13 Noble St, Brunswick, ME 04011	Owner
Christopher Burtis	9 Pinefields Ln, Brunswick, ME 04011	Owner

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

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

Name	Address
Maxwell Burtis	13 Noble St, Brunswick, ME 04011
Christopher Burtis	9 Pinefields Ln, Brunswick, ME 04011

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.

Ferda Farms LLC, under review. Location: East of Lower Coombs Island.

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
Maxwell Burtis	13 Noble St, Brunswick, ME 04011	49
Christopher Burtis	9 Pinefields Ln, Brunswick, ME 04011	51

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
None			

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

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

Yes No

If you selected “yes”, please provide details.



MAINE
LIMITED LIABILITY COMPANY

STATE OF MAINE

CERTIFICATE OF FORMATION

Filing Fee \$175.00

File No. 20190124DC Pages 2
Fee Paid \$ 175
DCN 2181922260012 DLLC
FILED
07/03/2018

Julie L Flynn
Deputy Secretary of State

A True Copy When Attested By Signature

Julie L Flynn
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:

Ferda Farms 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 "Bo" - see 31 MRSA 1508.)

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)

47

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

Commercial Registered Agent CRA Public Number: _____

(Name of commercial registered agent)

Noncommercial Registered Agent
Christopher Burtis
(Name of noncommercial registered agent)

9 Pinefields Ln
(physical location, not P.O. Box -- street, city, state and zip code)
Brunswick, ME 04011
(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 June 28, 2018



(Signature of authorized person)

Christopher Burtis
(Type or print name of authorized person)

Max Friedman
(Signature of authorized person)

Maxfield Friedman
(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.

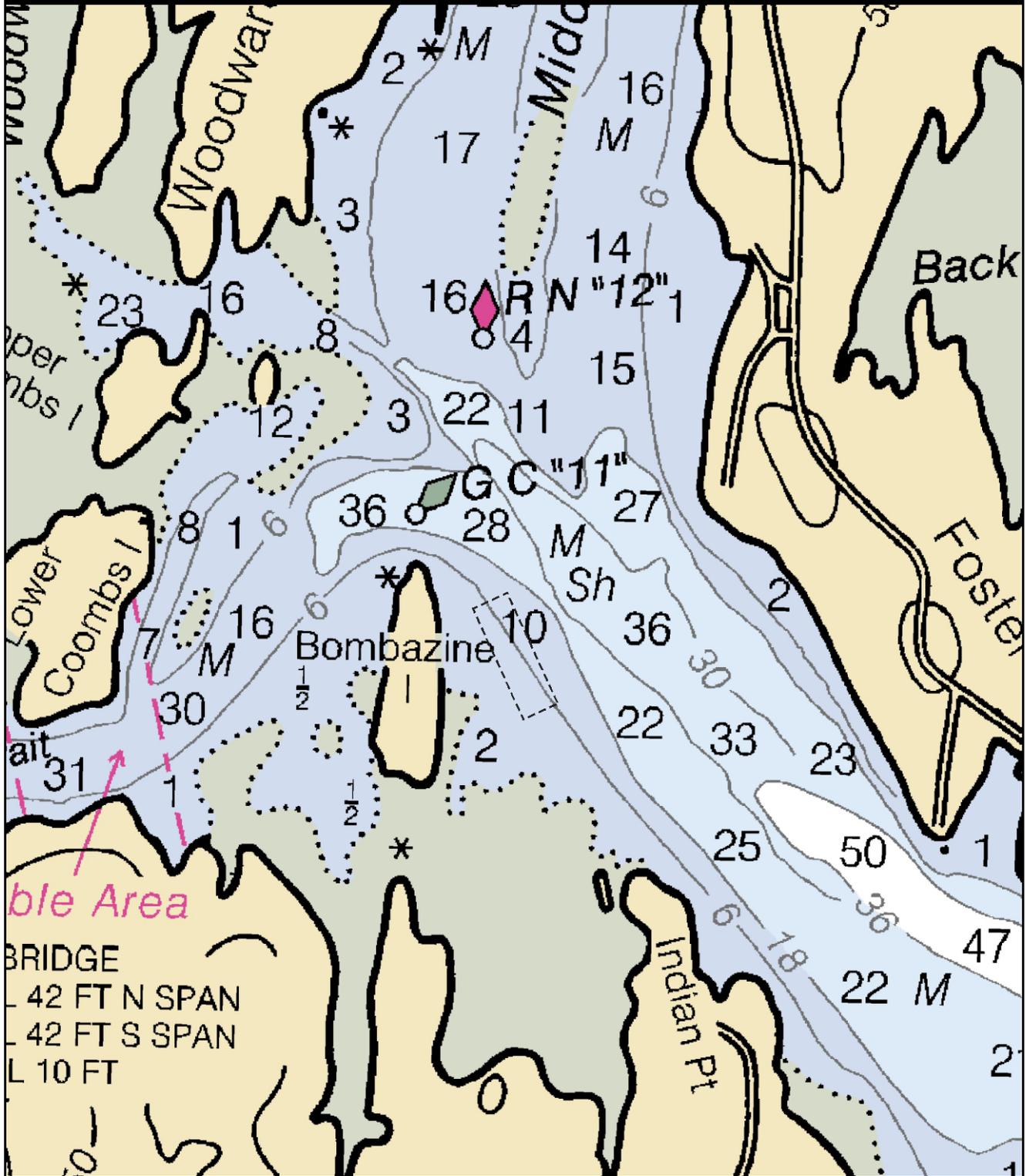
Please remit your payment made payable to the Maine Secretary of State.

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

Vicinity Map

NOAA Chart 13290: Casco Bay

Standard Lease Application
New Meadows River, Maine
Ferda Farms LLC



[---] Lease Boundary

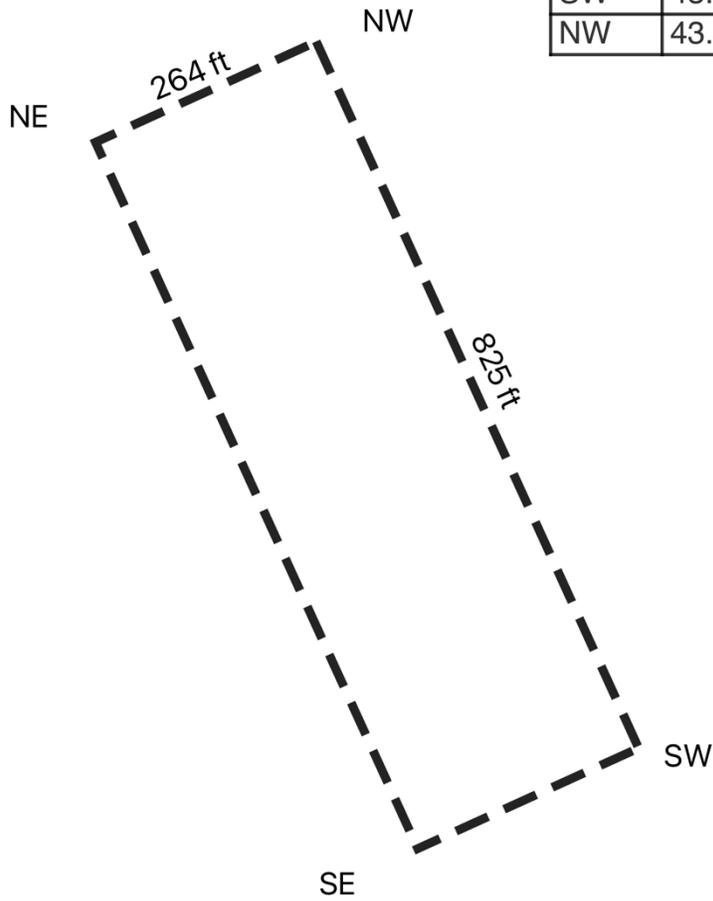


Revision: 10/29/2023
Author: Max Burtis
Datum: EPSG:4326 - WGS 84

Boundary Drawing
and Coordinate Description

Standard Lease Application
New Meadows River, Maine
Ferda Farms LLC

Vertex	Lat	Lon
NE	43.86248128	-69.8952015
SE	43.86043809	-69.8938567
SW	43.86012672	-69.8947603
NW	43.86216991	-69.8961051



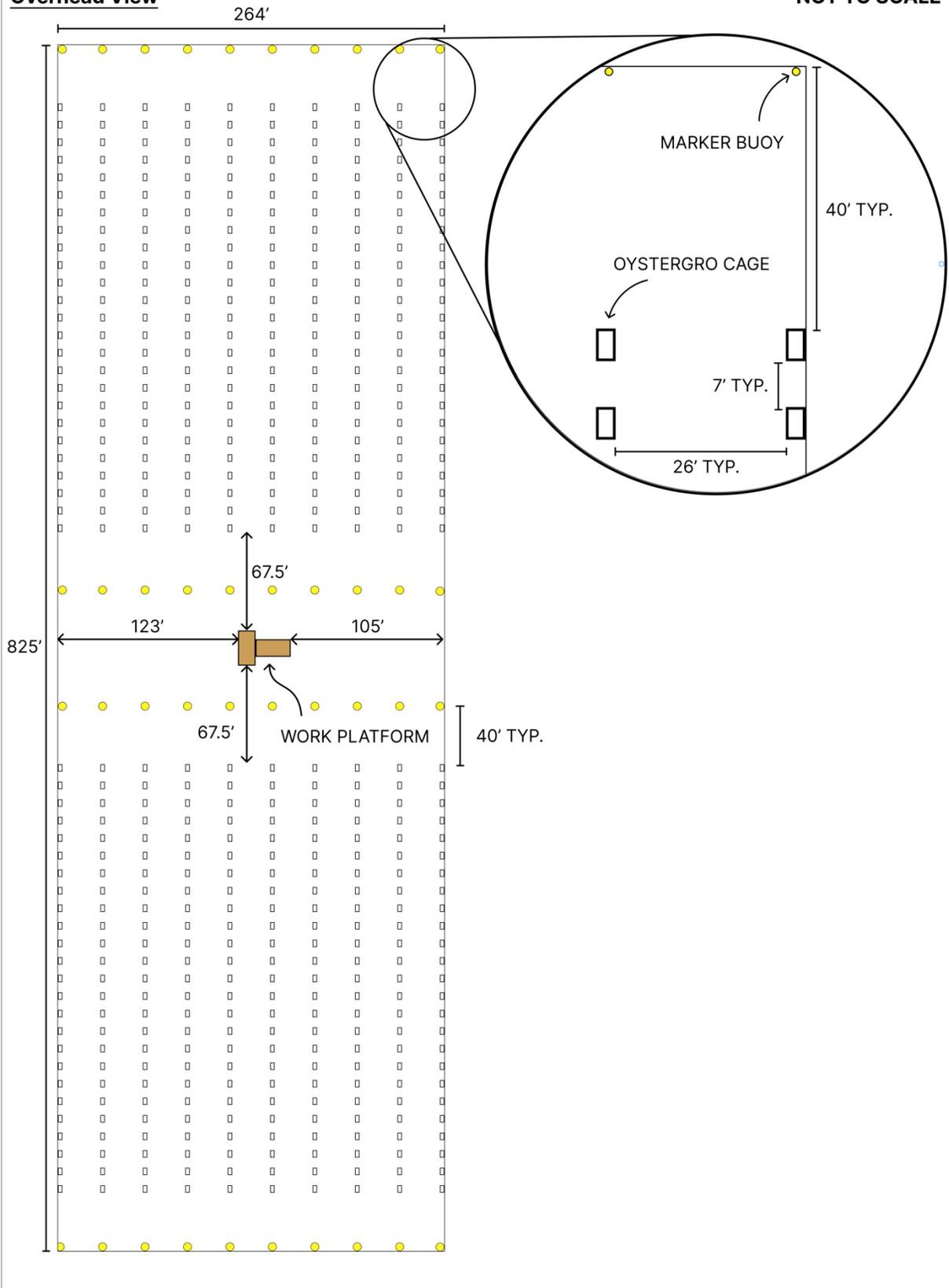
0 100 200 ft



Revision: 12/21/2023
Author: Max Burtis
Datum: EPSG:4326 - WGS 84

Overhead View

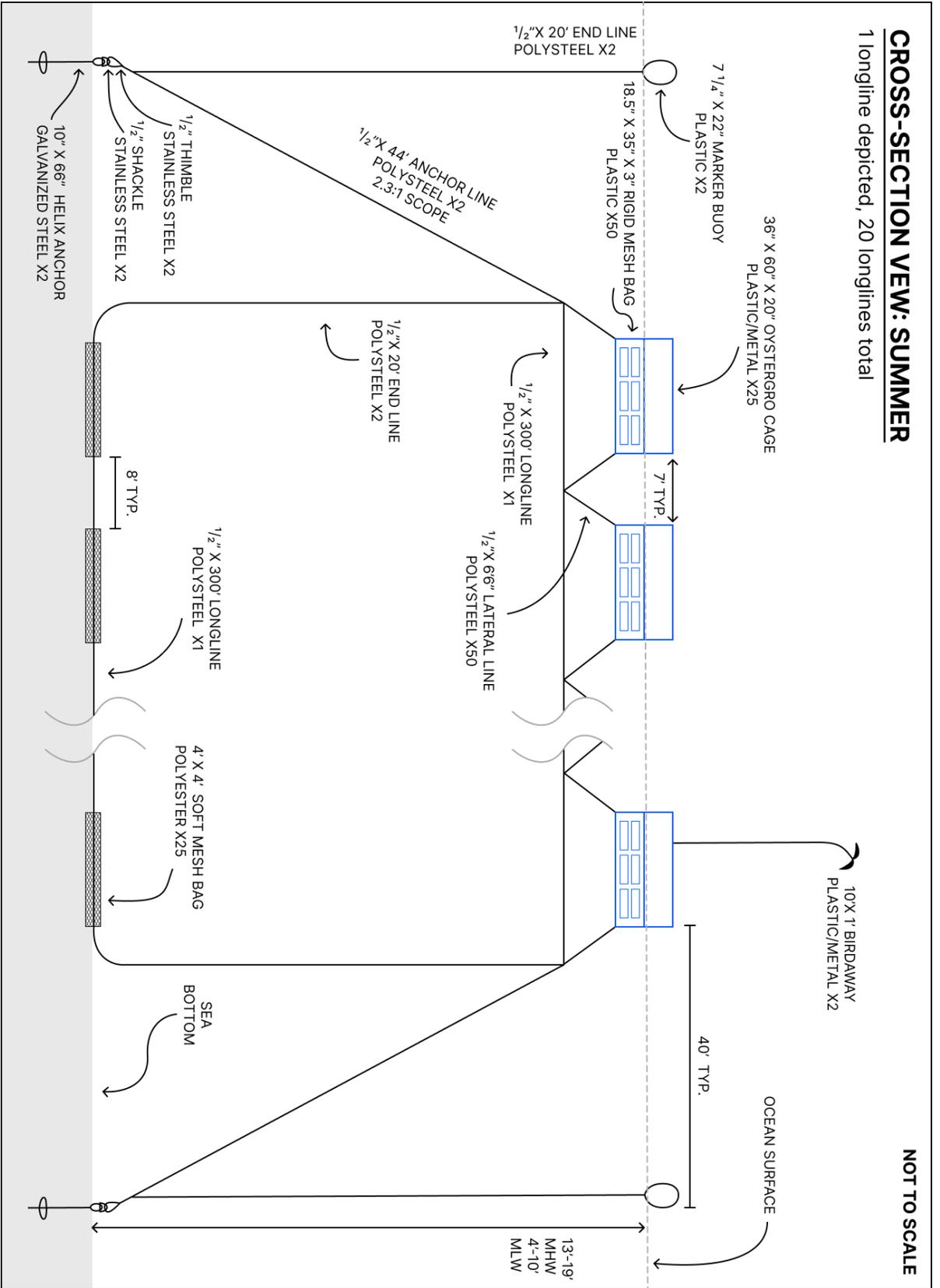
NOT TO SCALE



CROSS-SECTION VIEW: SUMMER

1 longline depicted, 20 longlines total

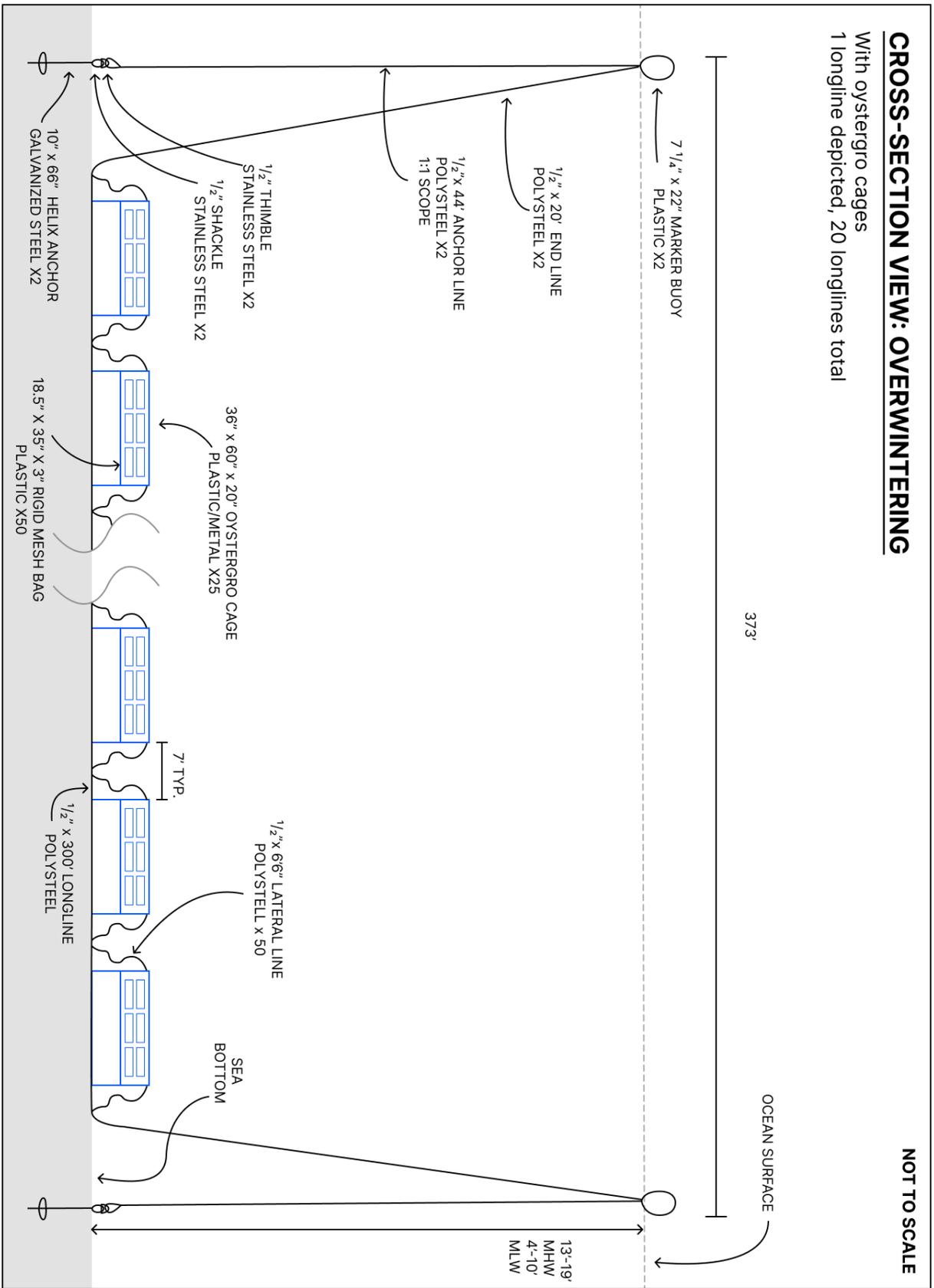
NOT TO SCALE



CROSS-SECTION VIEW: OVERWINTERING

NOT TO SCALE

With oystergro cages
1 longline depicted, 20 longlines total



373'

OCEAN SURFACE

13'-19'
MHW
4'-10'
MLW

7 1/4" x 22" MARKER BUOY
PLASTIC X2

1/2" x 20' END LINE
POLYSTEEL X2

1/2" x 44' ANCHOR LINE
POLYSTEEL X2
1:1 SCOPE

1/2" THIMBLE
STAINLESS STEEL X2
1/2" SHACKLE
STAINLESS STEEL X2

36" x 60" x 20' OYSTERGRO CAGE
PLASTIC/METAL X25

18.5" x 35" x 3" RIGID MESH BAG
PLASTIC X50

1/2" x 66' LATERAL LINE
POLYSTEEL X 50

7' TYP.

1/2" x 300' LONGLINE
POLYSTEEL

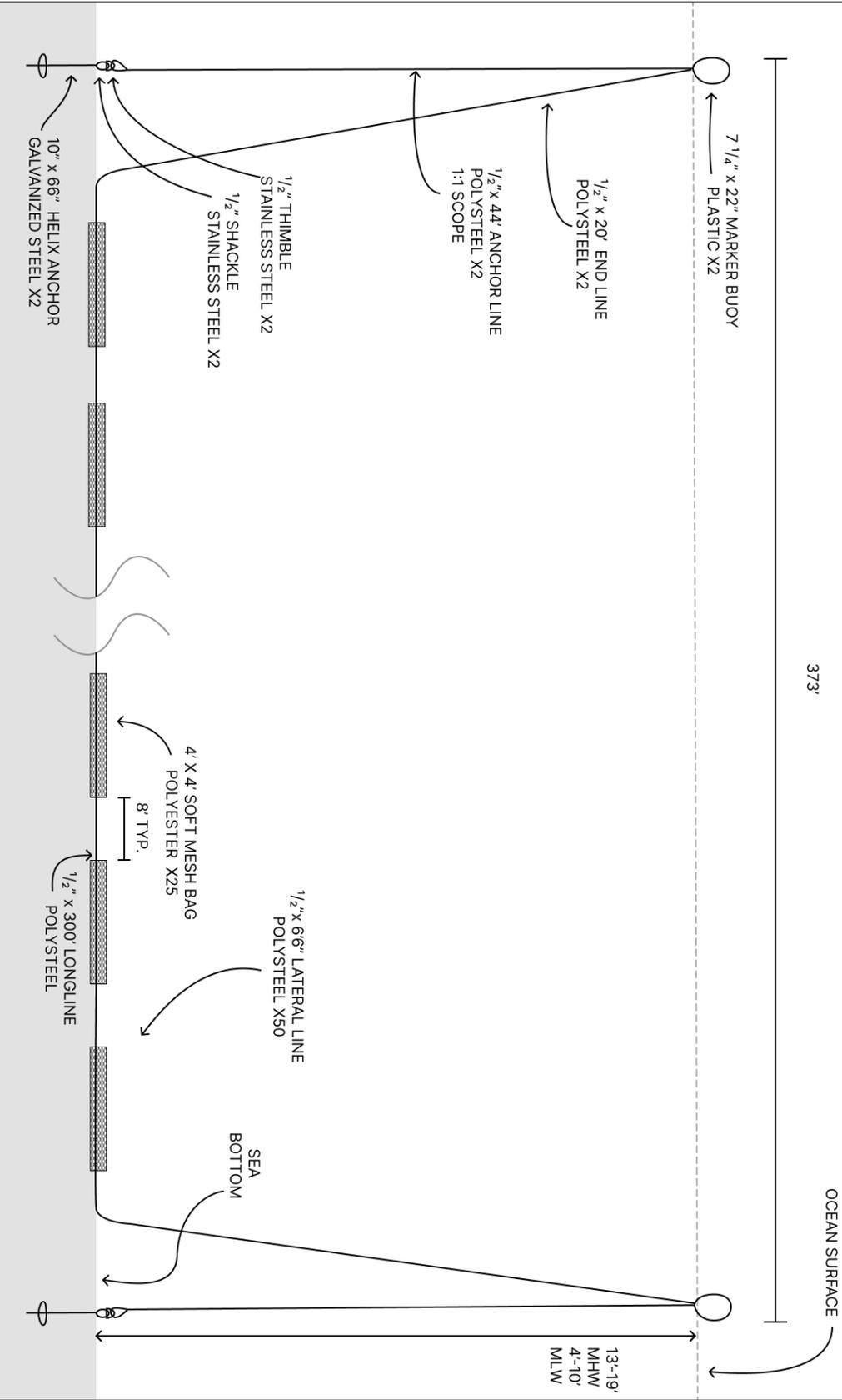
10" x 66" HELIX ANCHOR
GALVANIZED STEEL X2

SEA
BOTTOM

CROSS-SECTION VIEW: OVERWINTERING

NOT TO SCALE

With soft mesh bags
1 longline depicted, 20 longlines total



CROSS-SECTION VIEW: WORK PLATFORM

NOT TO SCALE

Depicting mooring tackle

