STANDARD LEASE APPLICATION: NON-DISCHARGE

1. APPLICANT CONTACT INFORMATION

Applicant	Timothy Ehle + 15224 Lash					
Contact Person	Timothy Ehle					
Address	255 Four Rod Ed					
City	Warren, ME					
State, Zip	ME, 04864					
County	Knox					
Telephone 207.522.3052						
Email	timothy. j. ehle @ gmail. com					
Type of Application	Draft Application [submitted before scoping session session] Final Application [submitted after scoping session]					
Dates	Pre-Application Meeting: 9-12-23 Draft Application Submitted: 10/4/23 G 18/24					
Payment Type	Draft Application: ☐ Check (included) ☐ Credit Card ☐ Check (included) ☐ 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	Friendship
Waterbody	Mescungus Bay
General Description (e.g. south of B Island)	North East of Cranberry Island
	Lease Information
Total acreage requested (100-acre maximum)	4.05 Acres 4 -4
Lease term requested (20-year maximum)	20 year
Type of culture (check all that apply)	☐ Bottom (no gear) ☐ Suspended (gear in the water and/or on the bottom)
Is any portion of the proposed lease site above mean low water?	☐ Yes ☑ 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):	WT	
Growing Area Section (e.g. "A1"):	P5	

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. Alaria Alaria Esculenta	Springtide Seawerd 14 Factory Rd, Gouldsboro ME/04603	5 wet tons
2. Sugar Kelp Saccharina latissima	see above	2.5 wet tons
3. Dulse Palmeria Palmata	see above	1 wet ton
4.		
5.		

B. Do you intend to possess, transport, or sell whole or roe-on scallops? \(\square\) Yes		No
B. Do you intend to possess, transpers, or set the	1/1/1/2019/	atakaga, P

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

see Appendix

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

see Appendix 2

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: see Appendix 3
 - · 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
Poly Rope	1000f+x	Late Fall to Spony (April)	10 1000 t+	Alaria
mushroom mchor	260# 16" 0 × 344 H	Late Fall (Now) to spring (April)	20	Sugar Kelp
mouring	18f+ 5/8 galvanize	, ,		Dulce
mooring	124 D	Late Fall(N to spring (April)	v) 25	
12" b voy	12" × &"	Late Fall/ (A Spring (April		

ergo brick 4"x S"x2" Late Fall/Spring
pvc pipe 5' 1"x5' Late Fall/Spring
pyramid mooring 10"x16" Late Fall 50 Units 100 units 2 units

В.	Max	mum	Structur	e and	Mooring	System	Scha	metle
		and the second second			ALC: UNITED BY			

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.

see Appendix 4

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": see Appendix 5

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

See Appendix 9

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.

none (NIA)

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.

none (NA)

D. Gear Color

Provide the color of the gear a	and structures pr	oposed to be used at the lease site.
		yellow corner buoy's green depth contai buoy's

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.
	▼ Yes □ No
	If you answered no, explain why and suggest alternate markings.
100	

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 <u>each</u> 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 take 1-3 days depending on weather.

Seeding will be done by unravelling spools of

Seeded twine onto long lines already established.

Seed will be done in late November (last week) to

mid December & dependent on weather.

B. Please explain your proposed tending/maintenance activities.

Tending the site will be done in a small boat. We will be adding buoys + keeping lines from crossing.

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

We will be visiting the site 1-2x a month.

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

Harvesting will be done manually from a small boat. The Kelp will be pulled up to the side of the boat + it will be cut off at the stipe.

har	vest	be as	wez	the thur	site perm	2	+0	3	day	per	week	du	nig
F. V	Vill gea	r be o	n the s	ite yea	ar-round	a? 🗀	Ye	s 🗷	No				
r	emove	gear f	rom th	e site	and/or o	deploy	gea	r in	differen	t areas	For exan within t moved fi	he pro	posed
All Stu	gear	ou ou	1200 1200	rev 1.	nuved	at	+	he	end	of	harve	rt +	
н. І	Please p	provid	e detai	ls on a	ny pred	lator c	ontr	ol te	chnique	s you j	plan to e	mploy	
	depl							5,	we b	121V1	11.t e	aly	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)

NA

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?
- 42 ft lobster bost, 19ft Ses 0x the lobster bost will be used twice, once for setting muovings to again for pulling up great in the apring (April).

 The sea or will be used for tonding the for harvest
- approximately lox in the season between Nov+ May

this will be 2x a week in April + 2x overall in November Rev 08/29/2023 9|Page

B.		f powered equipment (e.g. generator, power washer, grading equipment, will be used on the site? When and how often will the equipment be
	none	(NIN)
c.	Specify how powered equi	you intend to reduce noise levels from the boats and other pment.
graver at	n/a	
	other than tho	number, type (whether fixtures are shielded), wattage and location of lights se used for navigation or marking, that will be used at the proposed lease
	other than tho site.	number, type (whether fixtures are shielded), wattage and location of lights, se used for navigation or marking, that will be used at the proposed lease (N(A)
	other than tho site. Non-L	se used for navigation or marking, that will be used at the proposed lease
	other than tho site. Non-L	(NIA) The what circumstances you might work at your site 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.

We have an experimental lease MUS ECIX

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.

Standard lease would replace the experimental

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?

20-25ft

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

30-34ft

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

1.5 K+s N+S

- 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.)?

mixed mud + ruck

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

flat bottom

3. Describe marine organisms by species or common names. Based on your personal observations or other sources of information, are these species abundant, common, or rare?

Jubster- common, flounder-common green crab-common, Nac crab-common

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

No beds or nigration ruter have been observed

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.

Issac has labstered this area 1-24 week in the summer for 30 years. No ext grass has been observed or found on his labstering great. We have also visually observed april '23 when the water was clearer a had no visuals of red; there is rockweed colony the shoreline observed in Deciza, April 23.

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

Shoreline is pocky with small brush + forest further inland. There are 3 residences that are seasonal.

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/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 (<u>John.Perry@maine.gov</u>, 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

The only commercial fishing is labstering which is done from July 1st Cobserved) through November 1st Cobserved). Lobstering is done at the site of the lease during this period. In December 1st on No active labstering has been observed.

2. Recreational Fishing

minimal to none, no recreational fishing has been observed within 500++ from rite. This has been observed June through April.

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

In the summer there may be light Kayakingt recreational boating both motor + sail. 100ff to navigable channel at site

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 one dock within 1000ff of this proposed form. The property owner close net generally use it during the winter months

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

minimal to none -> in Nov - April

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.

one within 750ft of 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.

none (NIA)

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

Mone (NIA)

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.

rone (NIA)

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 <u>labeled</u> 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)."

See Appendix 6

- · Legible scale
- · Tax lot numbers clearly displayed
- The boundaries of the proposed lease
- 2. Please use the <u>Riparian Landowner List</u> (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

<u>Note:</u> 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 <u>DMRAquaculture@maine.gov</u> 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 y	our acces	ss to the lea	ise are	ea be across ripa	rian land?			
☐ Yes	☑ No	,						
ncluded in "l	9. Lando	wner/Mun	icipal	l to complete th Permission Rec				ents
C. How v	wiii you a	access the p	ropos	sea site?	and the state of t	Service of the servic	n like kananan ingga sa kol	west and for
by b	121d	from	a nds	private	whaf	61	the	

ripanan owners remain unaffected

D. How will your proposed activities affect riparian ingress and 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: Friendship

MAP#	LOT#	Landowner name(s) and address(es)
220	005	Daniel Lane + Lorna Street 377 West Washington Rd Washington, ME 04574
220	006	Brenda Winslow 592 Cushing rd. Friendship, ME 04547
220	008	Craig + Elizabeth Wotton 769 Cushing Rd Friendship ME O4547
220	004	Blake + Irma Wolton For 35 Timber Pt Rd
220	001	James Li & Kim Newby, Eric & Brancot Mis He Cranberry Island Singles Friendship, ME UY547 Singles
220	003	Ann & Michael Engelhart 12 Joes, Island Friendship, ME 04547

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, John Tanter Waget Town Clerk for the Town of This work of certify that the names and addresses of the property lowners 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 SULLY TOUR DATE: 8/17/2023

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.

see attached (Appendix 7)

16. FINANCIAL CAPABILITY

A. Pinancial 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.

see attached (Appendix 8)

B. Cost Estimates

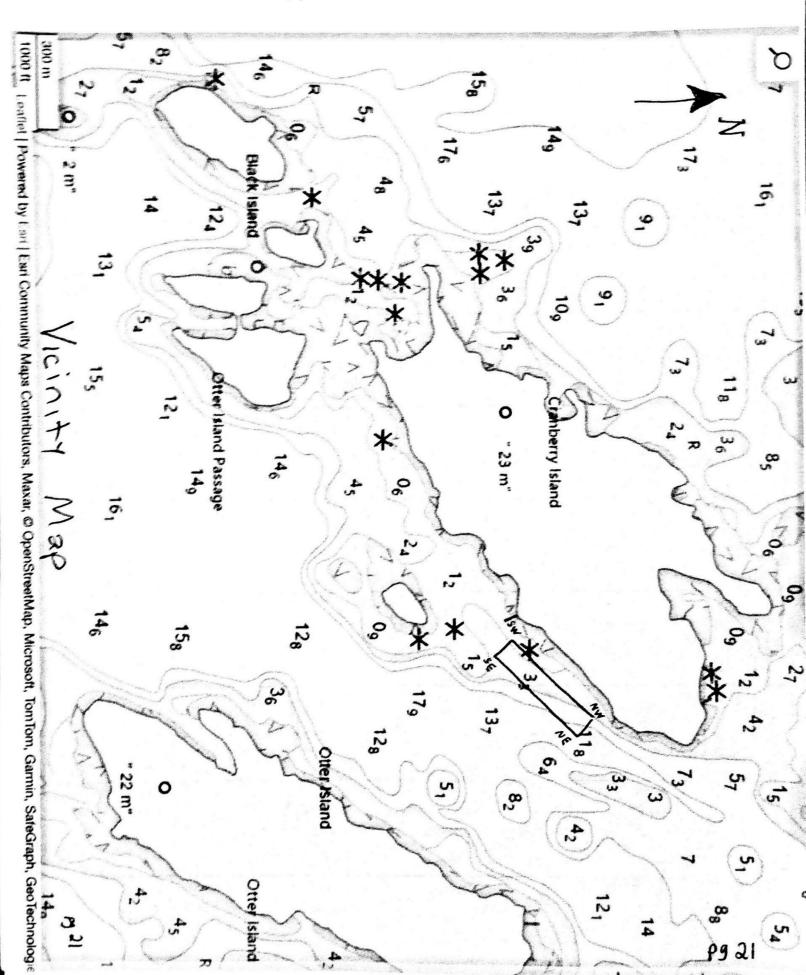
Please provide cost estimates of the proposed aquaculture activities.

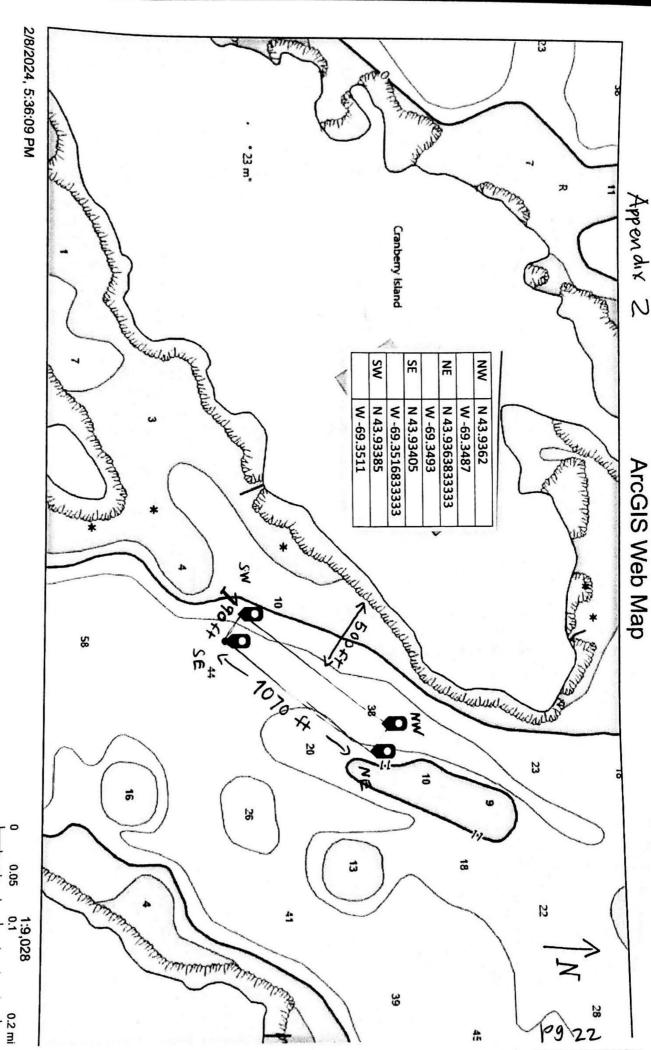
L \$ 4,000

17. ESCROW ACCOUNT OR PERFORMANCE BOND

Check the category that describes your operation:

Check Here	Lease Category	Amount of Required Escrow or Performance Bond
	No gear/structure, no discharge	\$500.00
	No gear/structure, discharge	\$500.00
	≤ 400 square feet of gear/structure, no discharge	\$1,500.00
X	>400 square feet of gear/structure, no discharge	\$5,000.00*
	Gear/Structure, discharge	\$25,000.00
(printed nam Legulations Ch	e of applicant) Timothy Eule hapter 2.64(10) (D) and if this proposed lease	e is granted by DMR, I will either ope
n escrow acco	unt or obtain a performance bond, in the am	ount determined by the lease category 9/23/23 Date
pplicant Signate: Add title is	nature Signing on behalf of a corporate applicant. LAPPLICANTS: Each applicant must sign account or obtain a performance bond. Use on the application. You may attach additional	this section indicating that they will the space below for additional pages, if necessary. have read DMR Aquaculture is granted by DMR, I will either ope





Boundary Drawing

0 0.07 0.15 0.3 km
Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Cor
OpenStreetMap. Microsoft, Esri, TomTom, Garmin,
GeoTechnologies, Inc, METT/NASA, USGS, EPA, NPS, US Cen
USDA, USFWS

P922 Web AppBuild

Gear Drawing Appendix 3



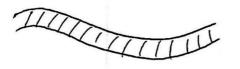
200# mush room anchar



50# pyramid mooring



(yellow)



1000 ft 7/16 diameter for seafarm length 20ft depth 2 Haehed to chain + mooring 5/8" chain 15ft



5ft PVC

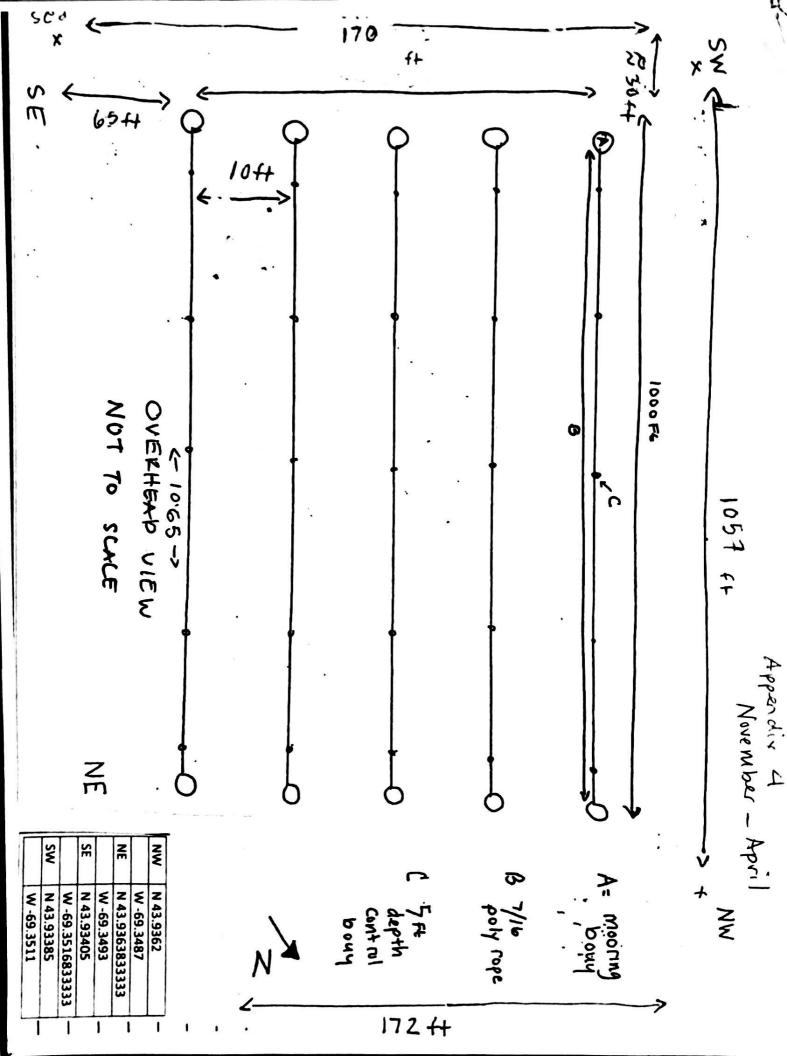


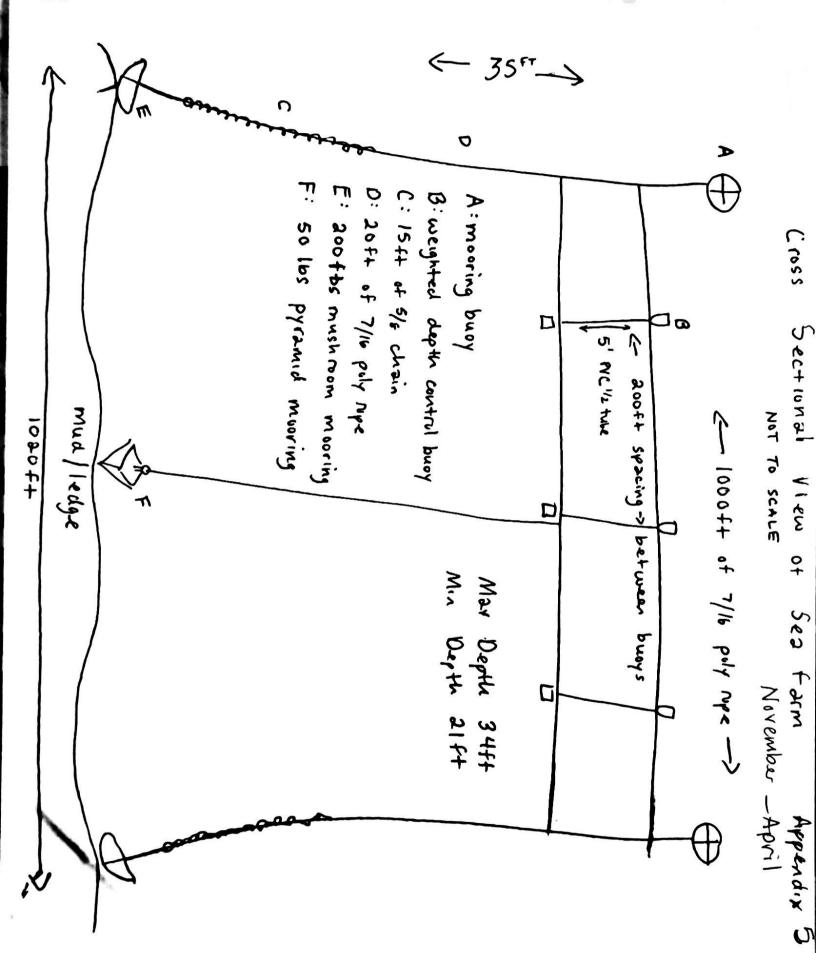
ergo bricks for weight on lines

Gear Drawing Cat

0

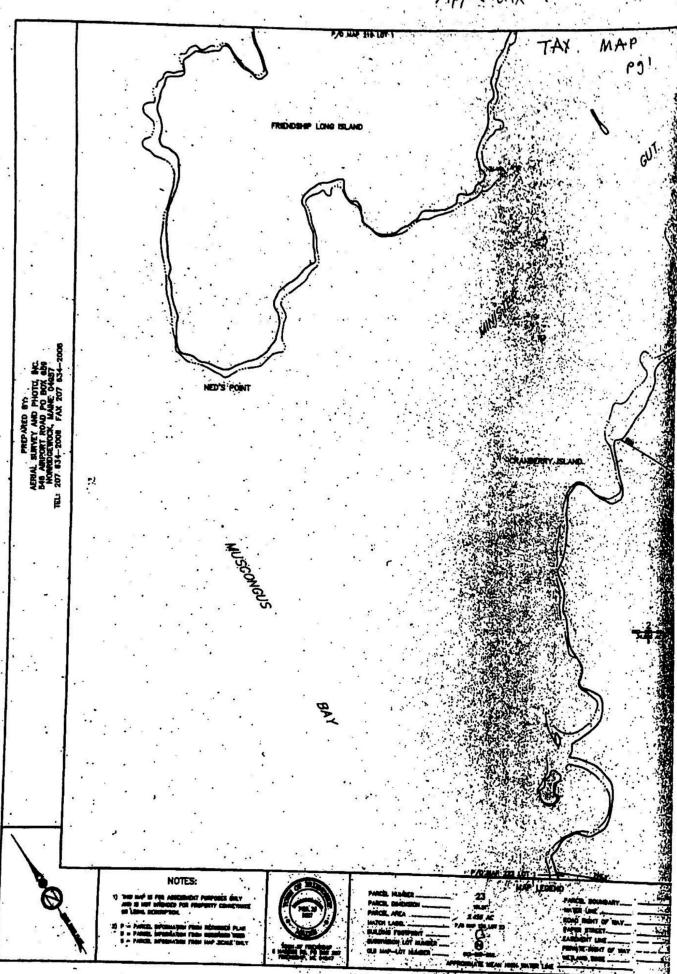
12"H 5"W buoy





NW N 43.9362 W -69.3487 NE N 43.9363833333 W-69.3493 SE N 43.93405 W -69.3516833333 SW N 43.93385 W-69.3511 INDEX DIAGRAM PROPERTY MAP 218, 219 TOWN OF FRIENDSHIP
KNOX COUNTY, MAINE

Appendix 6



Appendix 7

In regards to our (Tim Ehle and Isaac Lash) ability to technically perform and accomplish this proposed project. Isaac has been a lobster fisherman for 30+ years successfully. He has a wide range of knowledge in terms of equipment i.e. multiple sized motorized crafts from a 42' lobstering boat to a row skiff. He has vast knowledge on moorings, rope, buoys as well as technical experience in setting and rigging gear as well as tying/untying knots. Tim has been on the water as a sternman in his youth as well as with recreational fishing and experience tending our current leased kelp farm. We have already been successfully tending our farm for three consecutive years and selling dried products to Springtide Seaweed LLC under an experimental lease. We have also become MOFGA certified, have a drying house for processing and have doubled our gross yields every year for the last three years.



To whom it may concern,

Timothy J. Ehle, who resides at 244 Four Rod Rd, Warren Me, 04864, has account(s) that are in good standing as of 08/08/2023. Please feel free to reach out to my email below or my phone, (207)832-5373 ext. 2289.

Thank you and have a great day,

Anna Wagner | Banking Associate
First National Bank, a division of The First Bancorp

207.832.5373 Ext 2289 | Waldoboro, Maine

anna.wagner@thefirst.com

cross section view May - October - No Gezr Appendix 9

rater

0 6 G ۵ mixed bottom C

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