



AQUACULTURE LEASE AMENDMENT APPLICATION



This is an application for an aquaculture lease amendment. You are encouraged to review the aquaculture lease amendment regulations (Chapter 2.44) to obtain a complete understanding of the aquaculture lease amendment procedure. A lease amendment cannot violate any of the lease issuance criteria, must comply with the conditions in the original lease decision, and must be consistent with DMR’s findings in the original decision. Please review your lease decision carefully prior to submitting a lease amendment. Regulations are available at the Maine Department of Marine Resources (DMR) website: www.maine.gov/dmr/aquaculture.

This is a joint application to be used by the DMR and the U.S. Army Corps of Engineers (USACOE). Written authorization from both agencies is required before any amended aquaculture activities may be conducted. Information regarding the USACOE permit is available at: http://www.nae.usace.army.mil/Portals/74/docs/regulatory/StateGeneralPermits/ME/Maine_General_Permit_2015.pdf

Eligibility and Fee: Amendments may be requested for Standard and Scientific Experimental leases only. The Maine Department of Marine Resources requires a non-refundable \$200 fee for amendment applications.

Submission Instructions: Provide one copy of your application to DMR at the appropriate address listed below. DMR will notify the applicant once the application has been received.

| If sending via U.S. Post Office: | If sending via email: | If sending by FedEx, UPS or other overnight service (except the U.S. Post Office): |
|---|--|---|
| DEPARTMENT OF MARINE RESOURCES ATTN: Aquaculture Division 21 State House Station Augusta, Maine 04333-0021 | DMRaquaculture@maine.gov | DEPARTMENT OF MARINE RESOURCES ATTN: Aquaculture Division 32 Blossom Lane Augusta, Maine 04333 |

Provide one copy of your application to the USACOE address listed below.

U.S. ARMY CORPS OF ENGINEERS
MAINE PROJECT OFFICE
442 Civic Center Drive, Suite 350
Augusta, Maine 04330

APPLICATION INSTRUCTIONS

Before submitting your application make sure you have answered all questions and included all of the necessary documentation. *Failure to do so may result in significant delays in processing.*

General suggestions for completing this application:

- Please label all maps, diagrams, and images according to the instructions provided.
- A lease amendment cannot violate any of the lease issuance criteria, must comply with the conditions in the original lease decision, and must be consistent with DMR's findings in the original decision. Please review your lease decision prior to applying for a lease amendment.
- If you have questions about the application or lease amendment process, please contact DMR at (207) 350-7815.

Depending upon the type of amendment requested, you are responsible for submitting the following supporting materials:

| Species Amendment | Gear Amendment |
|--|---|
| <input type="checkbox"/> Tax map <input type="checkbox"/> Certified riparian landowner list | <input type="checkbox"/> Copy of existing Army Corps Permit <input type="checkbox"/> Layout plan <input type="checkbox"/> Cross section view <input type="checkbox"/> Drawing of new gear type <input type="checkbox"/> Tax map <input type="checkbox"/> Certified riparian landowner list |



APPLICATION FOR CHANGE IN AUTHORIZATION FOR SPECIES and/or GEAR



| | |
|----------------|---------------------------|
| Lease Acronym | SEH PC |
| Leaseholder | Abigail Barrows |
| Contact Person | Abigail Barrows |
| Address | 396 Airport Road |
| City | Stonington |
| State, Zip | Maine 04681 |
| Telephone | 2077303370 |
| Email | abby@deerisleoysterco.com |

What type of amendment are you requesting (check one)?

Gear amendment only

Instructions: Review and complete sections 1, 3, 4, and 5 of this application

Species amendment only

Instructions: Review and complete sections 1, 2, 4, and 5 of the application

Gear and species amendment

Instructions: Review and complete each section of the application

1. Bird Deterrents

BIRD DETERRENTS: Suspended culture gear can attract birds that roost on the gear and defecate, potentially creating a pollution source impacting shellfish held within the gear. If you are applying to add shellfish species and/or suspended gear to your site, please include a description of mitigation or deterrent measures to minimize the potential pollution impacts of birds. If appropriate, include sketches or photos that clearly depict those measures put into practice.

Examples may include:

- Suspended gear and associated product would be submerged at a depth sufficient to deter roosting for at least two weeks before harvest
- Attaching physical deterrents (i.e. zip ties) to gear
- Only shellfish seed would be cultured
- Only adductor-only scallops would be cultured

All amended gear will be submerged during cultivation.

2. SPECIES CHANGES

SPECIES INFORMATION: Indicate the species you wish to add or remove from your lease and list the source of stock for each species you wish to add.

| Indicate “Add” or “Remove” from Lease | Species (common and Latin name) | Source of Stock (Name, address, & phone number) |
|---------------------------------------|---|--|
| Add | Green sea urchin (<i>Strongylocentrotus droebachiensis</i>) | CCAR 33 Salmon Farm Rd Franklin, Maine 04634 207.422.8918 Springtide Seaweed 14 Factory Rd Gouldsboro, Maine 04607 207.387.0445 Wild Seed, same health area SEH PC lease site), Penobscot Bay, |
| Add | Sea Scallop, (<i>Placopecten magellanicus</i>) | Wild seed, same health areas as SEH PC lease site (Penobscot Bay). I would obtain my spat collection license prior or work with Marsden & Bob Brewer for wild spat. |
| ADD | Sea lettuce, <i>Ulva fenestrata</i> (formerly known as <i>Ulva lactuca</i>) | Springtide Seaweed 14 Factory Rd Gouldsboro, Maine 04607 207.387.0445 Spartan Sea Farms 123 Even Keel Rd Yarmouth, Maine 207.841.9911 Wild Seed, same health area SEH PC lease site), Penobscot Bay, |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

or work with a licenses spat collector (TBD depending on collection rules by DMR

CULTURE PLAN: Please describe how you intend to cultivate each of the species you proposed to add to the lease using the table below. Please attach a separate table for each species you propose.

| Information Requested | Proposed Species: <i>Strongylocentrotus droebachiensis</i> |
|--|---|
| Seed Size | 1-12mm |
| Number of Organisms to be Cultured | up to 50,000 |
| Stocking Density | 200/gear unit |
| Method of Culture and Dates (ex: April-Dec) | Year-round tending, 4-6 years of growth until market size |
| Method of Harvest and Timing (ex: Fall) | Live animal harvest, anytime between September and May once market size. |
| Predator Control Methods | They will be submerged & enclosed, studies have shown very low to no predation. |
| Overwintering Plans/Dates (ex. Nov – Mar) | Keep them in the same spot (bottom culture) &/or move to floating crates on LPA ABAR324 or new LPA site in Deer Isle. |

CULTURE PLAN: Please describe how you intend to cultivate each of the species you proposed to add to the lease using the table below. Please attach a separate table for each species you propose.

| Information Requested | Proposed Species: <i>Placopecten magellanicus</i> |
|--|---|
| Seed Size | 1-10mm |
| Number of Organisms to be Cultured | up to 100,000 |
| Stocking Density | 50-100 per gear unit at market size |
| Method of Culture and Dates (ex: April-Dec) | 3-5 years of growth until market size. Grown in bottom trays/seascale and/or lantern nets, ideally mixed with urchins to reduce biofouling. |
| Method of Harvest and Timing (ex: Fall) | On-rope scallops harvest in winter, abductor only, during summer months. |
| Predator Control Methods | They will be submerged & enclosed, studies have shown very low to no predation. |
| Overwintering Plans/Dates (ex. Nov – Mar) | Keep them in the same spot (bottom culture) &/or move to lantern nets on LPA ABAR221 or PENLD4 or floating crates on LPA ABAR324 |

CULTURE PLAN: Please describe how you intend to cultivate each of the species you proposed to add to the lease using the table below. Please attach a separate table for each species you propose.

| Information Requested | Proposed Species: <i>Ulva fenestrata</i> |
|--|---|
| Seed Size | microscopic on spool |
| Number of Organisms to be Cultured | up to 5,00lbs |
| Stocking Density | As many pounds per foot as possible |
| Method of Culture and Dates (ex: April-Dec) | Submerged horizontal line summer-fall. |
| Method of Harvest and Timing (ex: Fall) | Raise line and cut into totes |
| Predator Control Methods | They will be submerged, some natural predation may occur. |
| Overwintering Plans/Dates (ex. Nov – Mar) | No overwintering |

3. GEAR CHANGES

GEAR INFORMATION: Describe each gear type you wish to add to or remove from your current gear plan.

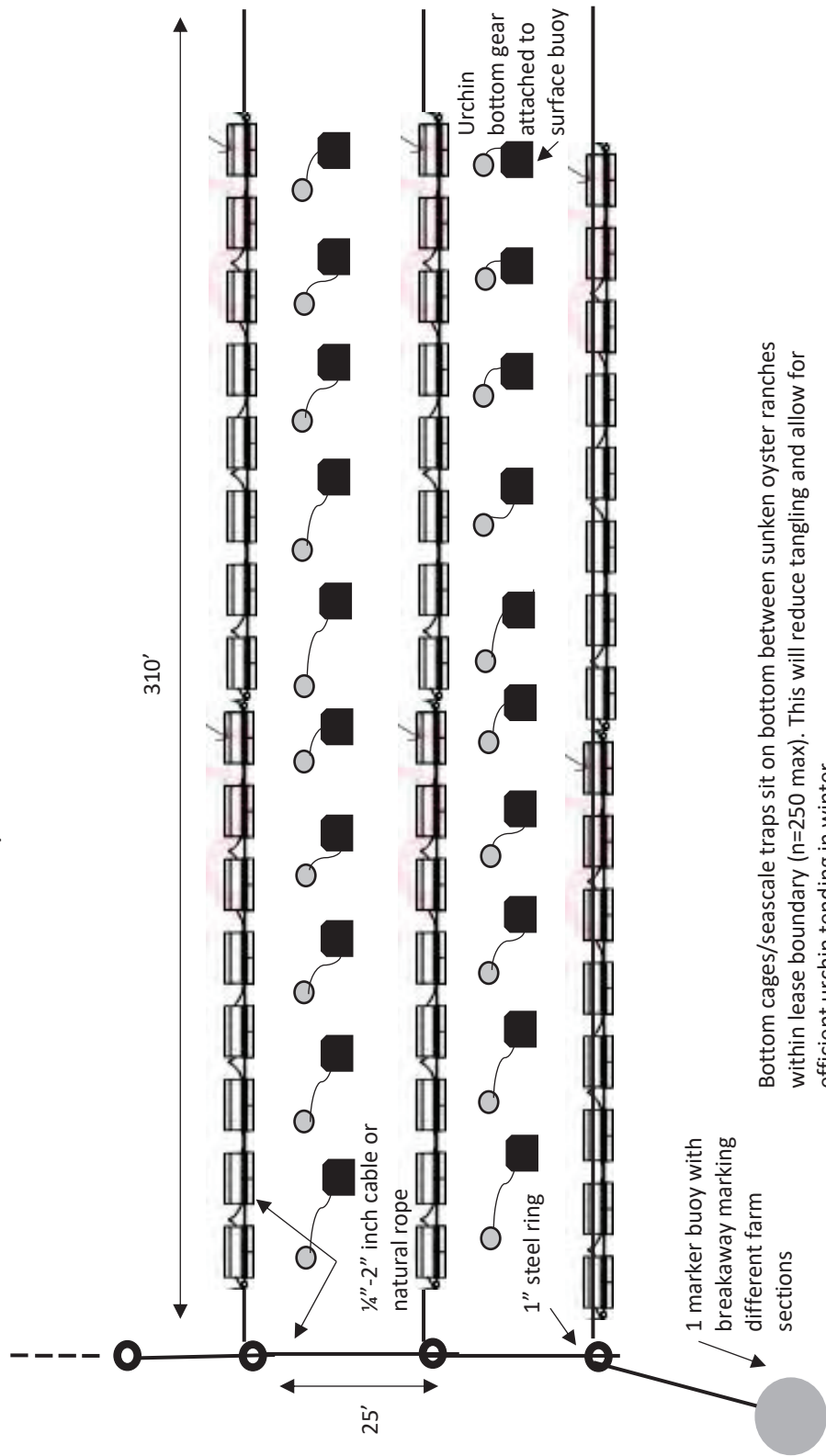
| Specific Gear Type (e.g. <i>soft mesh bag</i>) | Add or Remove | Dimensions of Gear Added or Removed (e.g. 16"x20"x2") | Dates That Gear Will Be in The Water (<i>Added gear only</i>) |
|--|----------------------|--|--|
| Lantern nets/hanging trays | Add | Circle diameter 24" height between 5'-8' | Year round |
| Seascale urchin/scallop Pot | Add | 40.5"x18"x20" | Year round |
| 4-6 bay oyster ranch, aluminum | Add | 4-Bay: 40½"L x 36" W x 9" H 6-Bay: 67½"L x 36" W x 9" H | Year round, on bottom in winter |
| Bottom trays | Add | 60"x48"X12" | Year round |
| buoys/balls | Add | Up to 250 for winter bottom culture | winter- Nov/Dec-April/May |

*** Attach the following drawings showing the proposed new gear. Use the plans in your Army Corps permit and/or DMR lease application as a starting point. Be sure to include:

- **Layout plan** showing:
 - placement of existing and new gear on lease site
 - north arrow
 - lease corners labeled
- **Cross-section view** showing:
 - mooring gear and
 - other gear
 - depths at MLW and MHW
- **Drawing of an individual piece of each new gear**, including:
 - dimensions and
 - materials and
 - numbers of each type of gear to be added

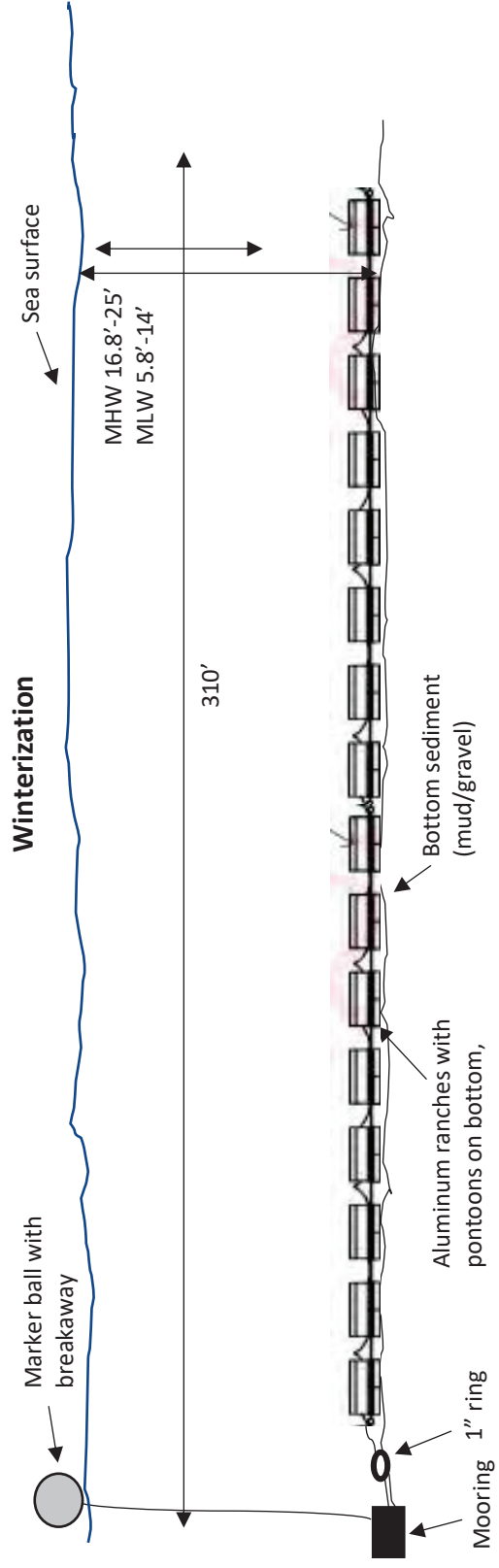
Overhead View

Oyster & Urchin Winterization



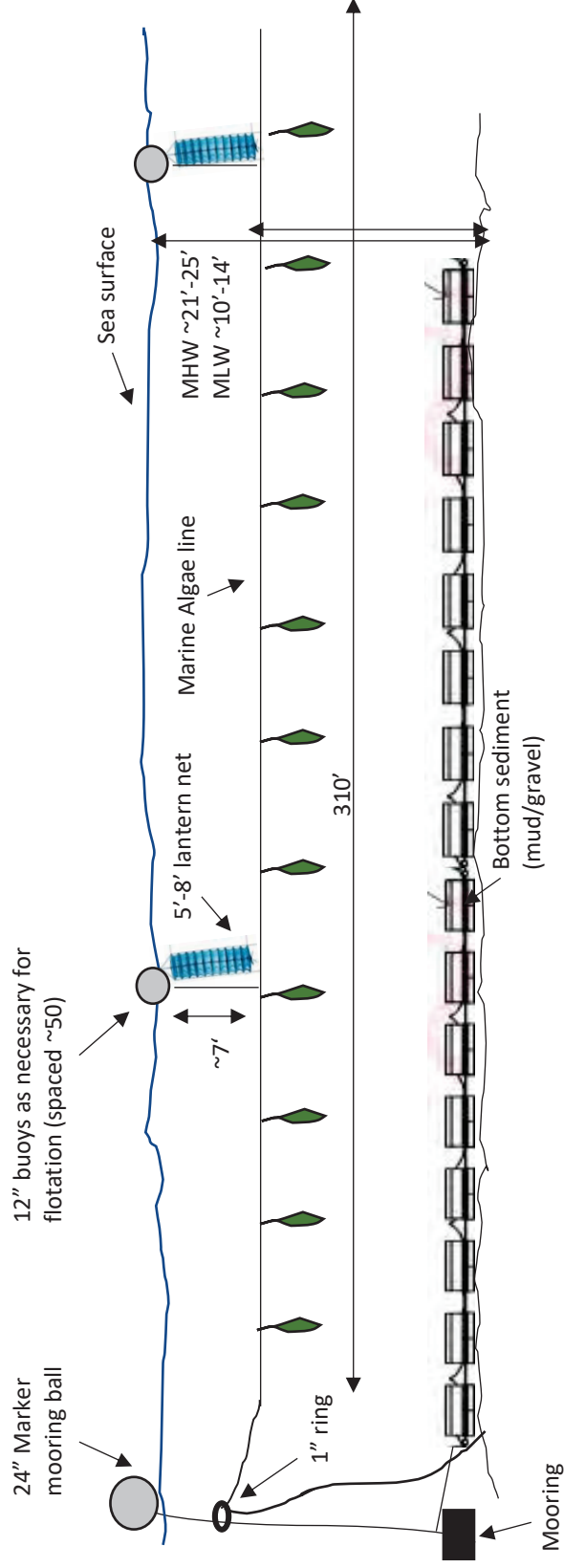
Bottom cages/seascale traps sit on bottom between sunken oyster ranches within lease boundary (n=250 max). This will reduce tangling and allow for efficient urchin tending in winter.

Cross Section View Oyster



*Not to scale

Cross Section View Seaweed & Scallops & Winterized Oysters



Lantern nets would only be on deepest lines to the west.
 Lantern nets would hang from the same buoy that suspends seaweed line.

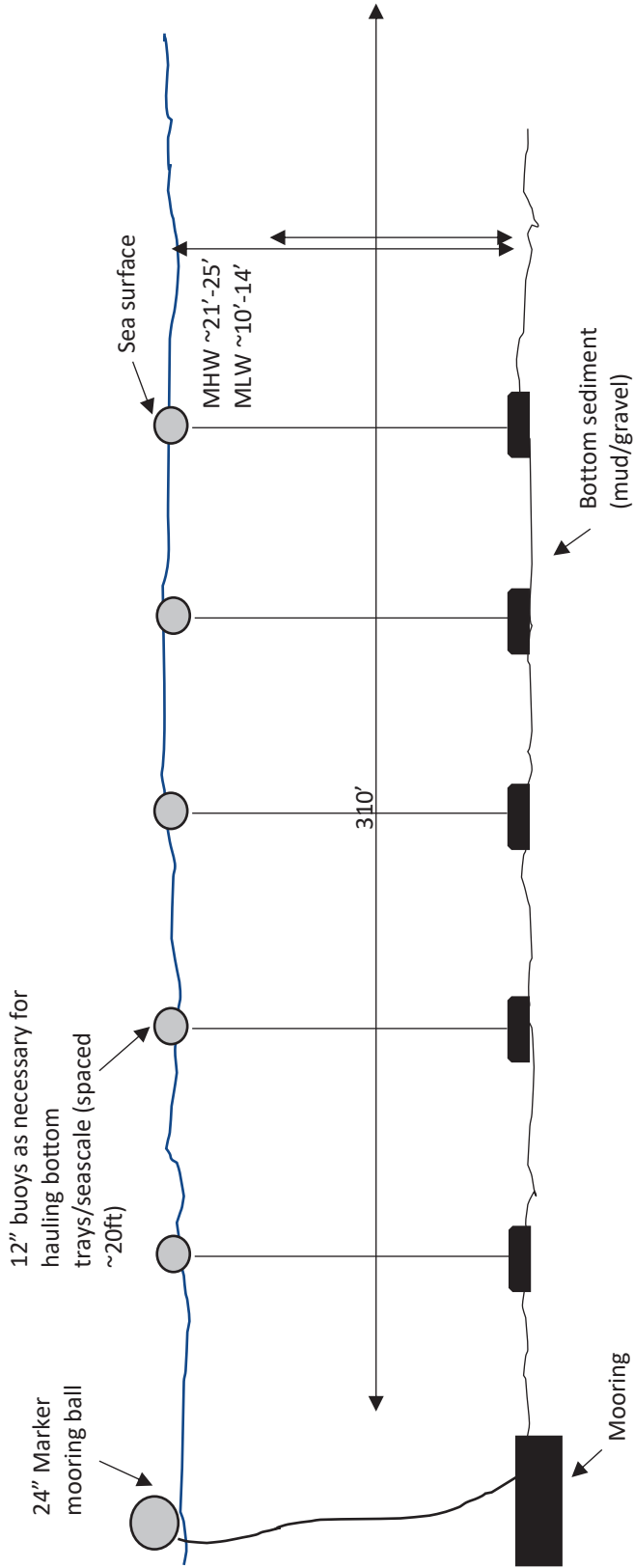
Additional flotation for algae lines (~6 per 310').

No algae cultivated on easternmost line.

Up to 12 lines under algae cultivation during oyster winterization.

*Not to scale

Cross Section View Winterized Urchins



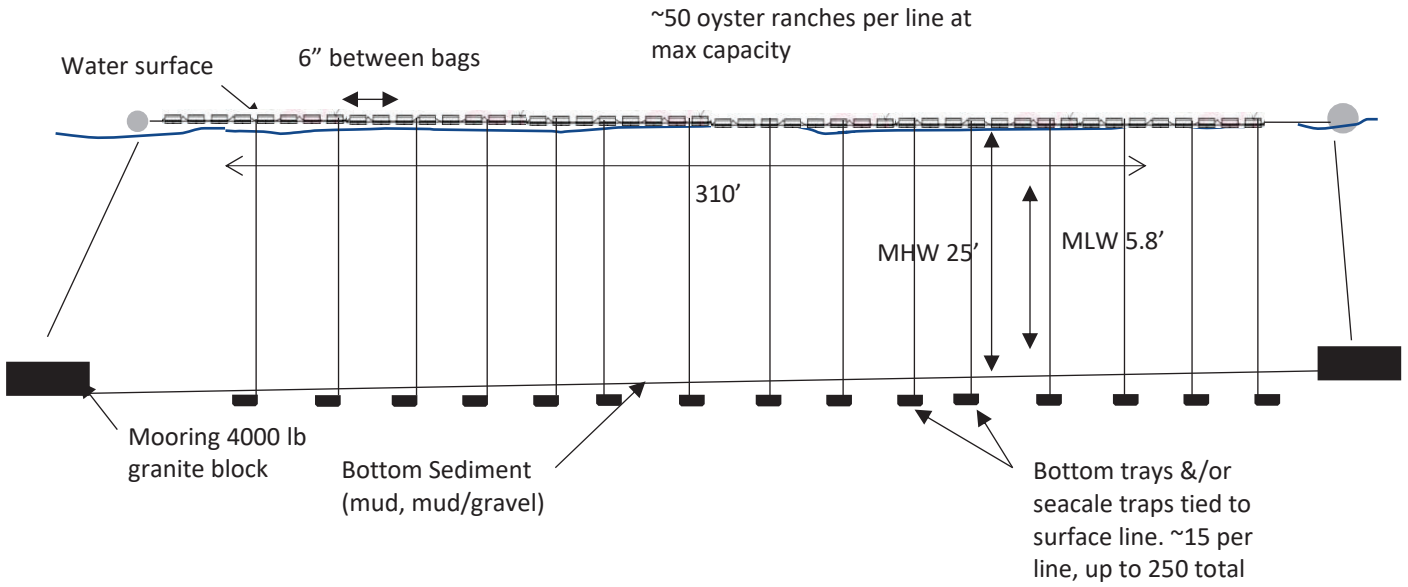
Urchin Bottom gear would run inside lease boundary lines, parallel to winterized oyster gear/seaweed lines.

Up 250 bottom trays/traps at maximum

*Not to scale

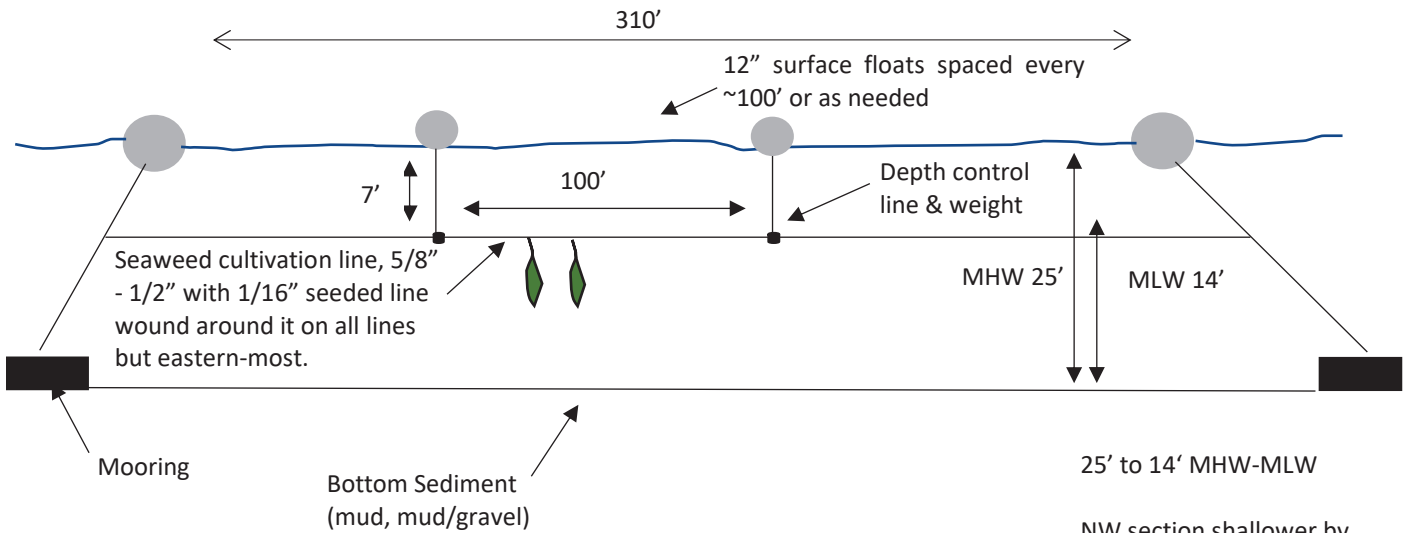
Cross-Section Gear View

Oyster Ranches & Urchin bottom culture



Seaweed Gear

This view does not apply to the eastern-most lines, which would not be under cultivation



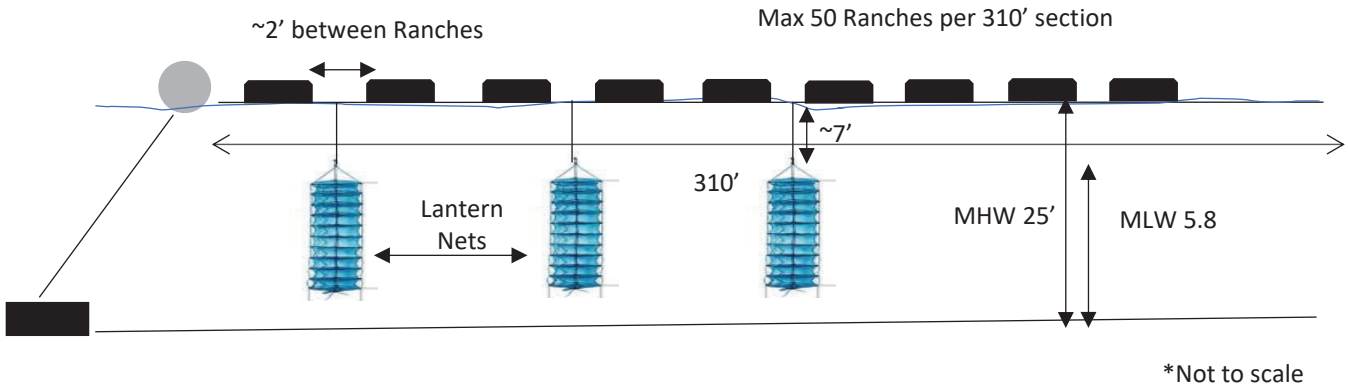
25' to 14' MHW-MLW

NW section shallower by about 2 feet than SW

E side about 9 feet shallower than W

No seaweed lines strung on eastern-most line, as MLW

Cross Section Gear Oyster Ranch & Lantern Net View

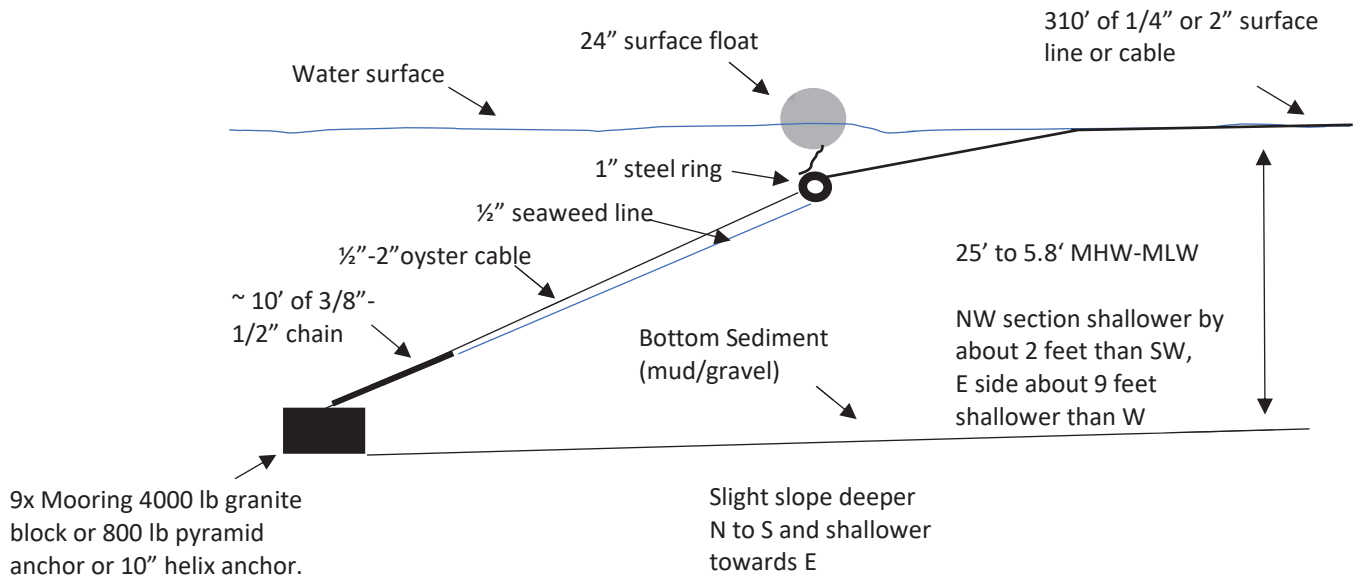


Lantern Nets only on deeper lines to west

Cross Section Close up detail

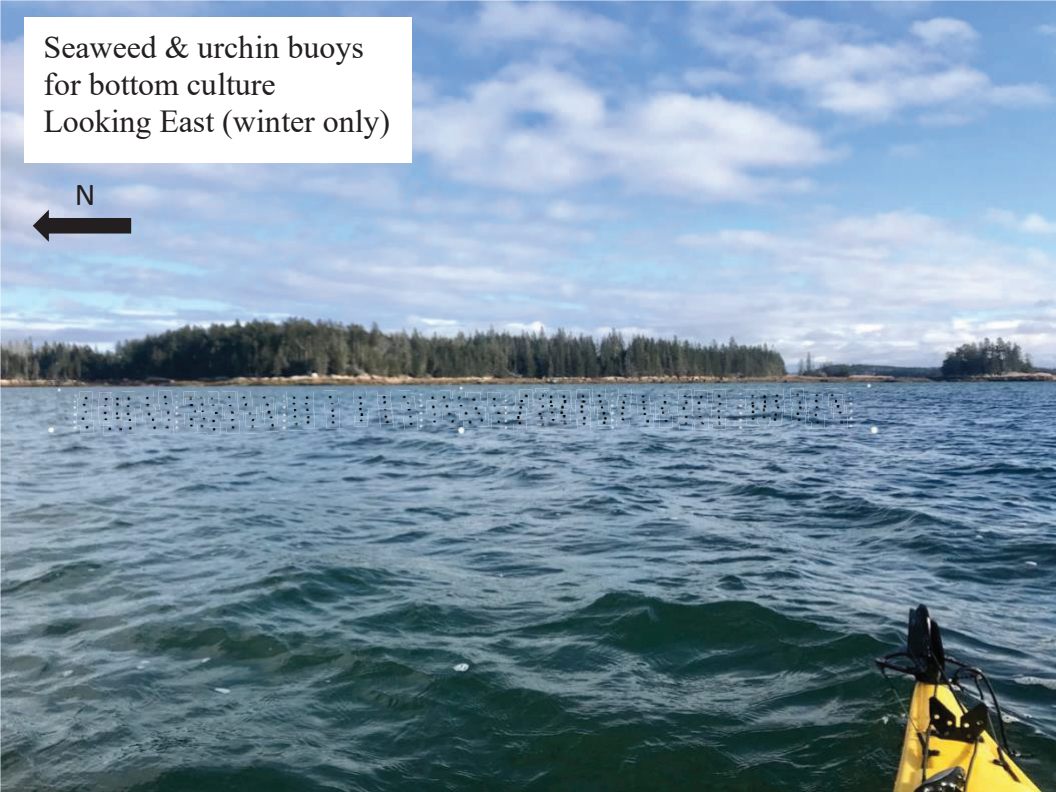
MLW:5.8'-14'
MHW:16.8'-25'

Moorings will be rigged at a high water 2 to 1 scope.

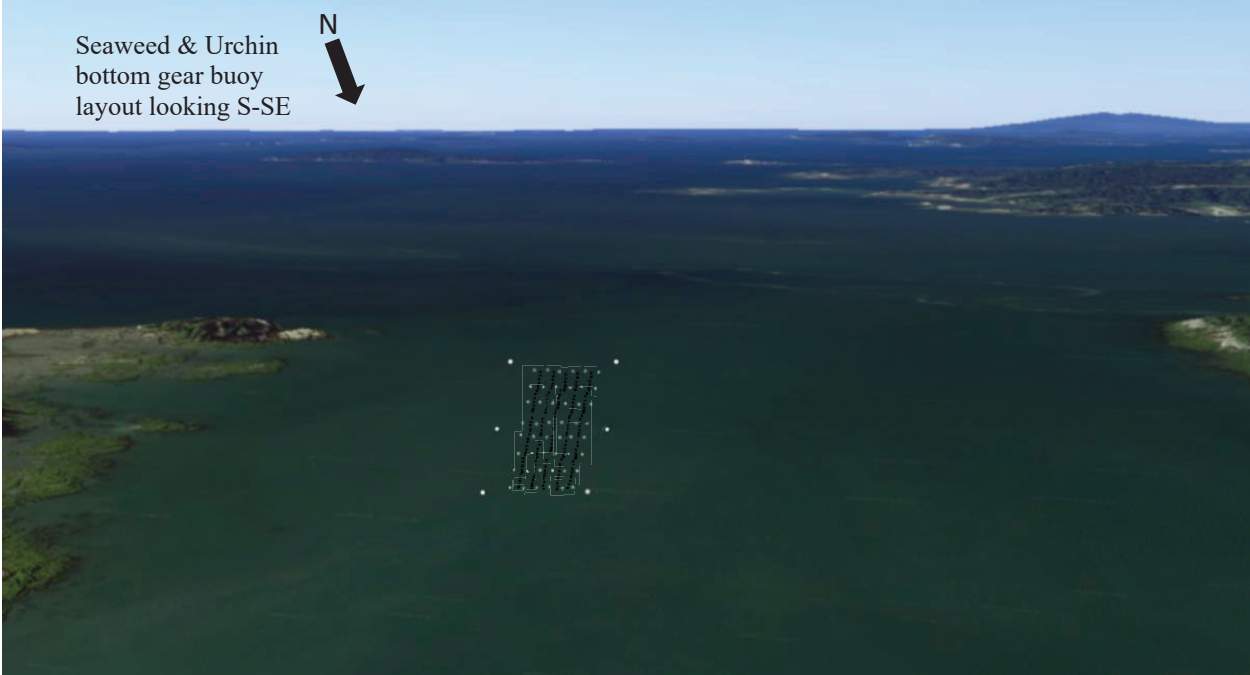
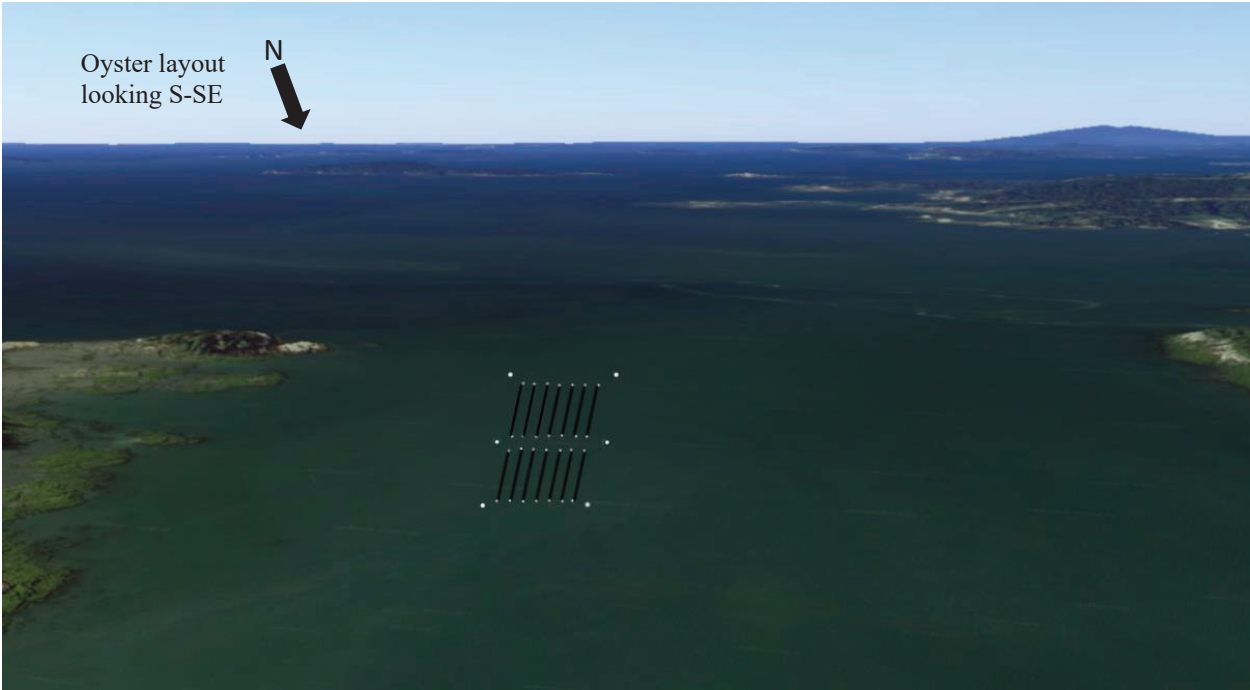


*Not to scale

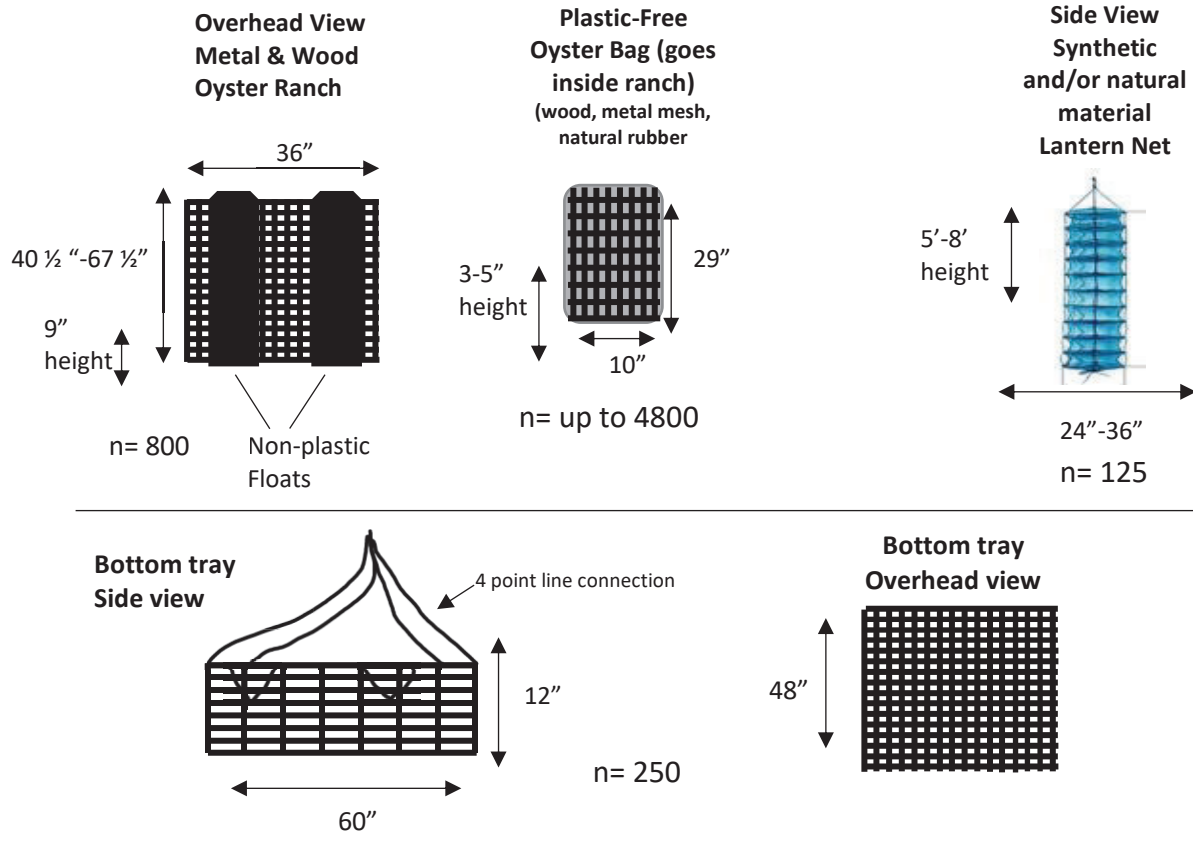
Equipment Layout



Equipment Layout



GEAR DRAWING

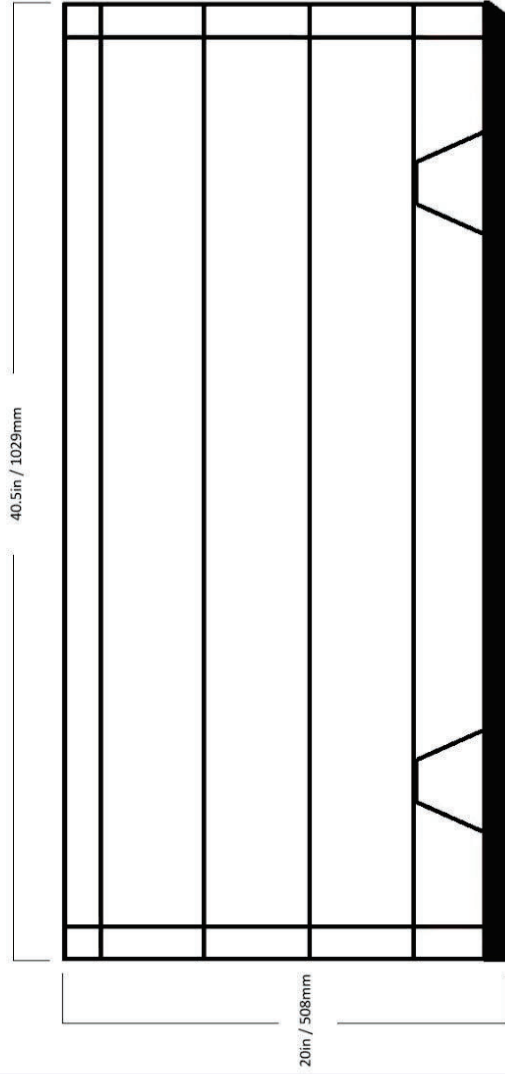


Seaweed 'seeded' twine spiraling around marine algae line

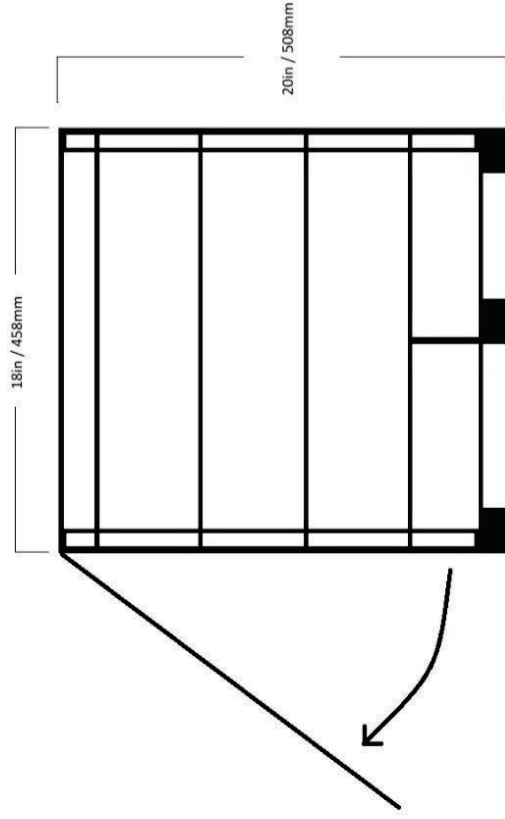


Spool will have ~400 feet of seeded twine and be wrapped around a 5/8"-1/2" 310' rope, with a total of 3720' rope seeded.

Front View



Side View



Seascale LLC
 22 Knox Street
 Thomaston Maine 04861
 (207) 542-5564
 www.seascalemaine.com

Title: Maine Scallop Pot (Single Unit Dimensions)

Patent Pending
 All Rights Reserved

Rev: 01

Drawn by: C. Walsh

Sheet 1 of 1

08-03-2025

Note:

- Pots can be stacked for Storage
- Dimensions are approximate and may change

N = up to 250

Complete responses to the following questions (attach a separate sheet if needed):

1. How does adding this gear change your existing operations?

It will mean a potentially more time on the lease in the shoulder/winter months tending the gear/species if keeping species on the lease year round. Ideally, I will obtain another LPA where I can grow some seaweed & more easily access the urchins in the winter, reducing trips and time on SEH PC in the late fall/winter/early spring. For the scallops, winter visits would be checking on/managing fouling. For urchins, it would be feeding them kelp from the lease site and harvesting, once they are to market size.

2. Describe any changes in the number of trips to the lease site per day. If none, please write "none."

None in the summer. Urchins only needed to be tended 1x/month, so we will integrate this into when we are already out there. We do not plan to make special trips just to tend one species during the summer. It will mean when we are out there, we will spend more hours on the lease site, rather than do multiple trips. If species are overwintering on the site, I foresee up to 3 trips a month December-March.

3. Describe any changes in noise and level of on-site activity. If there are no changes, please write "none."

None.

| |
|---|
| <p>4. Will gear remain on site during the winter? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If you selected “yes” use the space below to describe your overwintering plans. Please include the dates for overwintering.</p> <p>Seascale Maine Scallop/urchin pot and bottom trays stay on bottom year round. Some urchins or scallops in lantern nets would be shifted to bottom gear in Nov or moved to PENLD4 or ABAR 324. Others would hang off seaweed buoys in winter, as shown in cross-section winterization gear plans. Ranches are overwintered with oysters on bottom.</p> |
|---|

4. Tax Maps and Riparian List

Is your existing lease within 1,000ft of shorefront land (which extends to mean low water or 1,650 ft. from shore, whichever is less)?

Yes No

If yes, the following supporting documents are required:

A. Tax Map

A labeled copy of the appropriate tax map(s) depicting the location of the lease site. If you are amending a multi-tract site, please include a tax map(s) for all tracts.

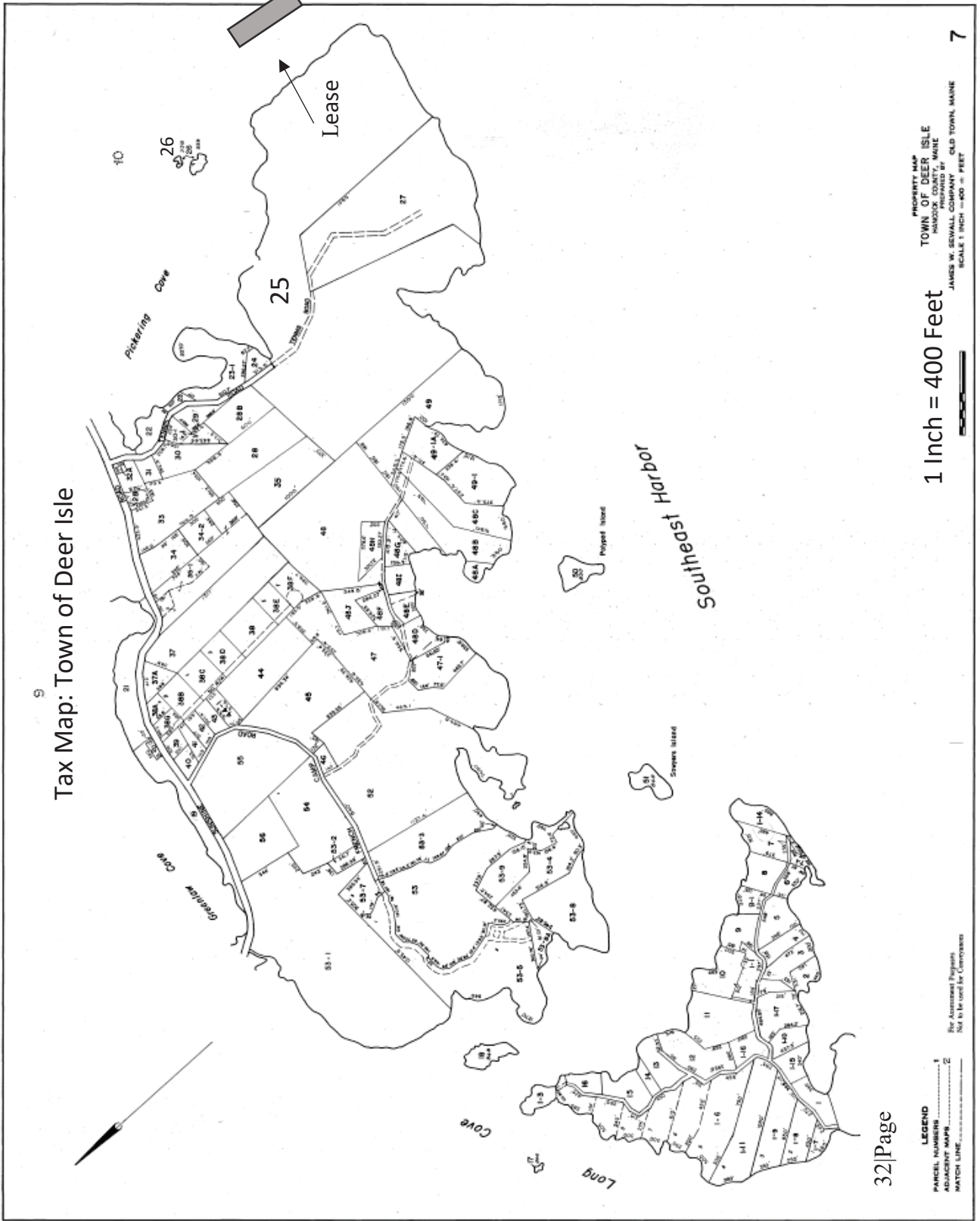
The map(s) needs to include the following elements:

- Label the map “Tax Map: Town of (name of town).”
- Legible scale
- Tax lot numbers clearly displayed
- The boundaries of the existing lease

B. Riparian List

Please use the Riparian Landowner List (included on the next page) to list the name and address of every shorefront landowner within 1,000 feet of your existing lease. Have the tax collector or clerk of the municipality certify the riparian list.

Tax Map: Town of Deer Isle



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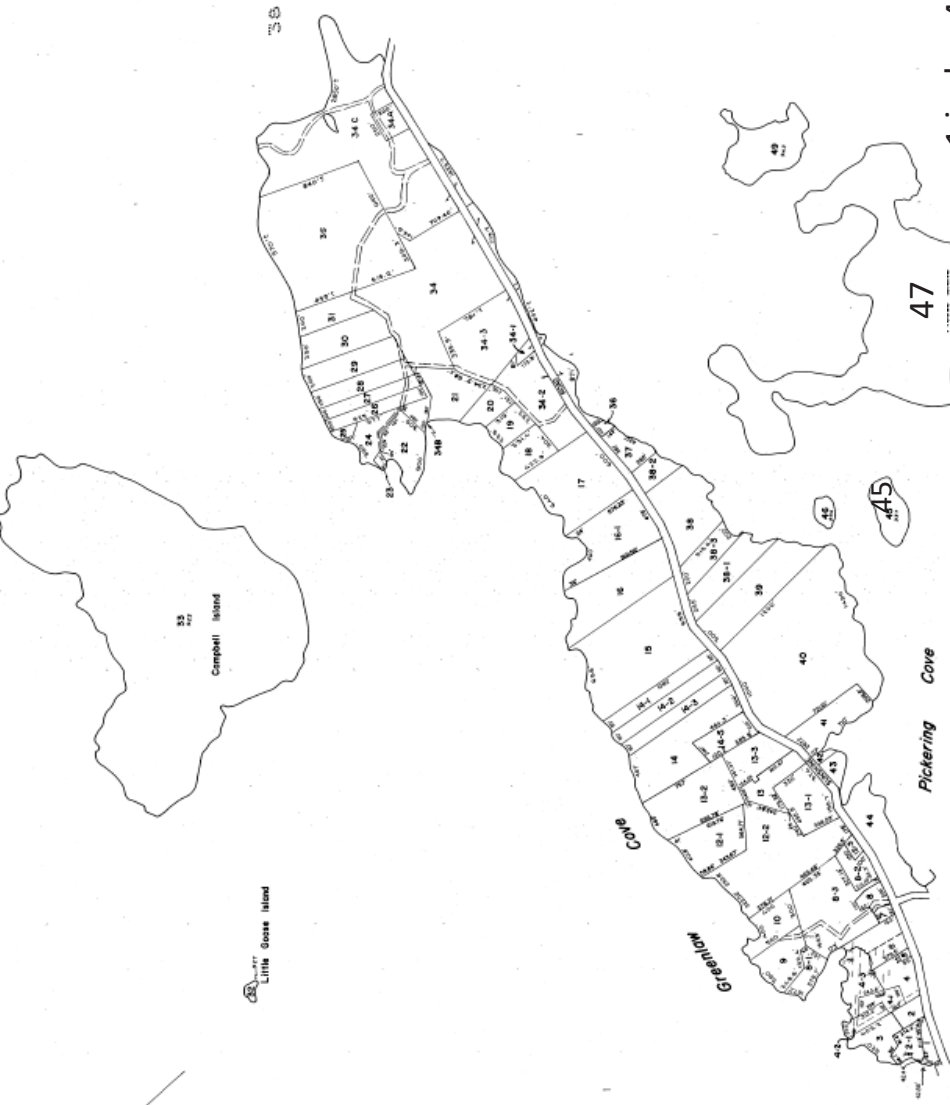
PROPERTY MAP
TOWN OF DEER ISLE
HIDDINGBOLT, MAINE
PREPARED BY
JAMES W. SEWALL COMPANY - OLD TOWN, MAINE
SCALE: 1 INCH = 400 FEET

1 Inch = 400 Feet



LEGEND
PARCEL NUMBERS 1
ADJACENT MAPS 2
MATCH LINE 3
For Assessment Purposes
Not to be used for Conveyances

Tax Map: Town of Deer Isle



1 inch = 400 Feet

Lease

Map
not to
scale

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PROPERTY MAP
TOWN OF DEER ISLE
HAMMOCK COUNTY, MAINE
JAMES W. IRVING COMPANY - OLD TOWN, MAINE
SCALE 1 INCH = 400 FEET

For Assessment Purposes
Not to be used for Conveyance

1

2

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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 existing 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) |
|-------|-------|--|
| ✓ 7 | 25 | State of Maine 22 State House Station 18 Elkins Lane Augusta, ME 04333 Department of Agriculture, Conservation and Forestry |
| ✓ 7 | 26 | State of Maine 22 State House Station 18 Elkins Lane Augusta, ME 04333 Department of Agriculture, Conservation and Forestry |
| ✓ 10 | 45 | Neugebauer, Lee Living Trust Carol Neugebauer 1626 Decatur St NW Washington DC 20011 |
| ✓ 10 | 47 | Reardons Retreat, INC William Reardon 9 Steamboat Lane Hingham, MA 02043 |
| ✓ 10 | 48 | Reardons Retreat, INC William Reardon 9 Steamboat Lane Hingham, MA 02043 |
| | | |

Please use additional sheets if necessary and attach hereto.**CERTIFICATION**

I, Heather Cormier, Town Clerk for the Town of Deer Isle 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: Heather Cormier DATE: 2/10/2026

5. Applicant Signature

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 lease amendment process.

Printed name: Abigail Barrows

Title (if corporate applicant): _____

Signature:  Date: 03/23/2026

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: _____

Application Submission

1. Please review your application for completeness and ensure all supporting documents are attached. You may submit your application to DMR via email or mail to the addresses provided at the beginning of the application.

2. After you submit your application, DMR will review the proposed changes and contact you if additional information or action is required.

3. DMR will notify you when the application has been deemed complete.

4. After the application is deemed complete, DMR will establish a 14-day comment period. Personal notice of the proposed amendment(s) are provided to any riparian landowners within 1,000 feet of the existing lease and the municipality where the lease is located. Notice of the request will also be published on DMR’s website. After the close of the comment period, DMR will render a final decision on the requested amendment(s).

Please be sure you have included the following (if applicable):

| Species Amendment | Gear Amendment |
|--|---|
| <input type="checkbox"/> Tax map <input type="checkbox"/> Certified riparian landowner list | <input type="checkbox"/> Copy of existing Army Corps Permit <input type="checkbox"/> Layout plan <input type="checkbox"/> Cross section view <input type="checkbox"/> Drawing of new gear type <input type="checkbox"/> Tax map <input type="checkbox"/> Certified riparian landowner list |