



APPLICATION FOR CHANGE IN AUTHORIZATION FOR SPECIES and/or GEAR



Lease Acronym	DAM LW2
Leaseholder	Darling Marine Center/University of Maine
Contact Person	Adam St. Gelais
Address	193 Clark's Cove Road
City	Walpole
State, Zip	ME, 04573
Telephone	207-350-7629
Email	adam.st@maine.edu

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

Gear amendment only

Instructions: Review and complete sections 2, 3 and 4 of this application

Species amendment only

Instructions: Review and complete sections 1, 3 and 4 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

We are not adding suspended gear; no bird deterrents apply. We are only applying to add green sea urchins, and they will stay in submerged gear: lantern nets, pearl nets, or bottom cages.

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 - up to 5000 individuals	Green sea urchin: Strongylocentrotus droebachensis	University of Maine, Center for Cooperative Aquaculture Research. 33 Salmon Farm Rd, Franklin, ME 04634 207.422.8918

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: Green sea urchin
Seed Size	10mm test size and above
Number of Organisms to be Cultured	up to 5000
Stocking Density	to be determined, but probably not to exceed 50 per tier
Method of Culture and Dates (ex: April-Dec)	Lantern net, pearl net, bottom cage: all will be year-round
Method of Harvest and Timing (ex: Fall)	'harvesting' will be part of research/education; might happen any time during the year
Predator Control Methods	exclusion: the nets that we propose to keep the urchins in will provide predator protection
Overwintering Plans/Dates (ex. Nov – Mar)	not applicable; urchins will be in culture year-round, and not on the surface, so movement in winter is not required.

3. GEAR CHANGES

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

Specific Gear Type <i>(e.g. soft mesh bag)</i>	Add or Remove	Dimensions of Gear Added or Removed <i>(e.g. 16''x20''x2'')</i>	Dates That Gear Will Be in The Water <i>(Added gear only)</i>
N/A No new gear proposed			

*** 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

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

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

We do not expect any real changes to our existing operations: the DMC operates the lease year-round, but not necessarily every day. Urchin research and educational work we might do will fit into the regular course of activities already under way.

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

No changes to the trips: currently, the number of trips per day varies with projects on-site and the number of students living and working at the DMC

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

None.

4. Will gear remain on site during the winter? Yes No

If you selected “yes” use the space below to describe your overwintering plans. Please include the dates for overwintering.

We will not modify our existing overwintering plans: urchins must be in the water at all times, so they will be contained in their lantern nets, pearl nets or bottom cages, as per the rest of the year.

3. 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:

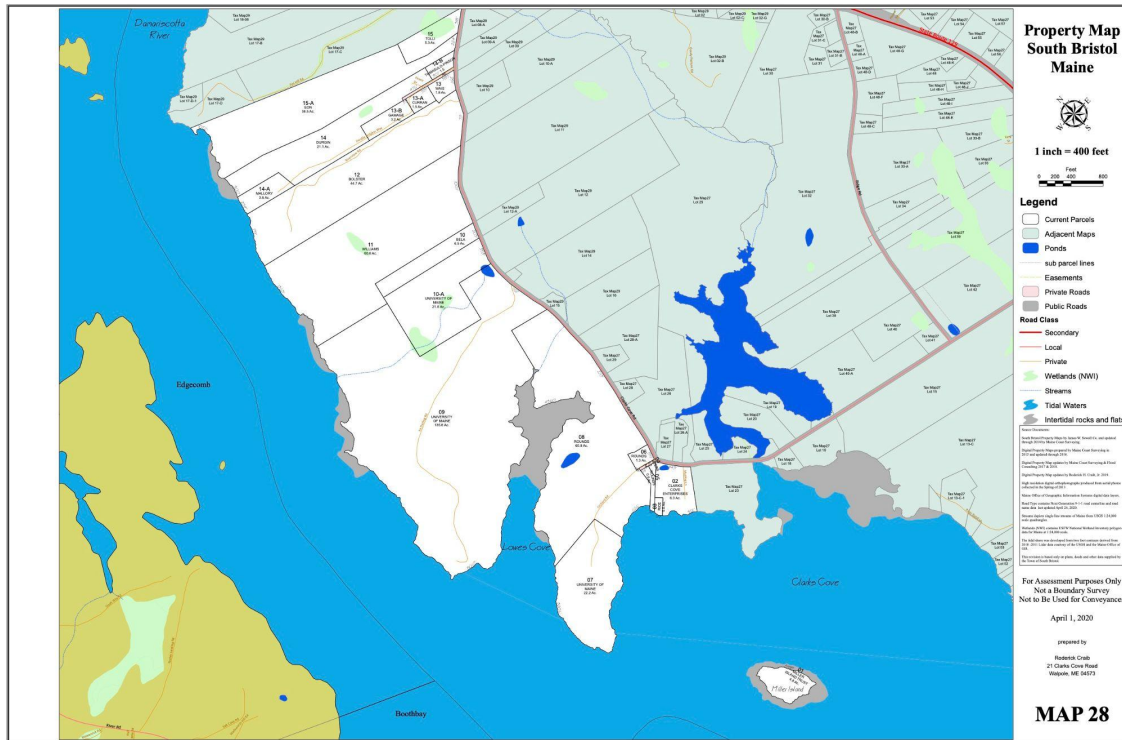
A. **Tax Map**

A labeled copy of the appropriate tax map(s) depicting the location of the proposed lease site.

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

Please see Tax Map #28, directly from the on-line resources at the Town of South Bristol, below.



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.

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: South Bristol

MAP #	LOT #	Landowner name(s) and address(es)
<u>28</u>	<u>28</u>	<u>JOHN & PEAR FOUNDS REV. TRUST & JOAN McVICKAR (CONTACT) 7 ORCHARD PRIVE WALPOLE, ME 04573</u>

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

I, CASANDRA MACPHEE, Town Clerk for the Town of SOUTH BRISTOL 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: Cassandra MacPhee DATE: 12/05/2023

4. 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: Adam St. Gelais

Title (*if corporate applicant*): Aquaculture Innovation Specialist, University of Maine

Signature:  _____ Date: 12/28/2023 _____

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: _____

5. 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 checked="" type="checkbox"/> Tax map	<input type="checkbox"/> Copy of existing Army Corps Permit

<p>X Certified riparian landowner list</p>	<p><input type="checkbox"/> Layout plan</p> <p><input type="checkbox"/> Cross section view</p> <p><input type="checkbox"/> Drawing of new gear type</p> <p><input type="checkbox"/> Tax map</p> <p><input type="checkbox"/> Certified riparian landowner list</p>
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