

Camden Reiss
Chairman

Brunswick Marine Resources Committee

Cody Gillis
Vice Chair

March 20, 2024

Dear Neighbor,

I trust this message finds you in good spirits. We are reaching out to inform you about the recent application for a limited-purpose aquaculture license submitted by the Town of Brunswick Marine Resource Committee in collaboration with Blake and Lilie Civiello at 697 Gurnet Road.

As you may be aware, the Town of Brunswick boasts one of the most resilient and historically significant shellfish programs along the Maine Coast. However, over the past century, we have witnessed a steady decline in shellfish populations, with the last decade marking a particularly steep decline. Recognizing the economic and ecological importance of these populations to the Brunswick community and its residents, the Town has been diligently working to sustain them.

Recently, the Coastal Resource Office was fortunate to secure a grant aimed at purchasing and operating a shellfish upweller in efforts to sustain base populations of hardshell clams. For those unfamiliar, a shellfish upweller is detailed in the enclosed application. The upweller will be affixed to the Civiello's dock.

Should you have any questions or concerns regarding this initiative, please do not hesitate to reach out to the Coastal Resource Office at ddevereaux@brunswickme.org, dsylvain@brunswickpd.org, or cagillisjr@icloud.com or by phone at 207-721-4027. Additionally, if you wish to provide written comments, please direct them to the Maine Department of Marine Resources Aquaculture Department at DMRaquaculture@maine.gov, or by phone at 207-350-7815. You may also visit the DMR aquaculture webpage at <https://www.maine.gov/dmr/home>.

Warm regards,
Cody Gillis

Cody Gillis Vice-Chair, BMRC



LIMITED PURPOSE AQUACULTURE LICENSE (LPA) FOR MUNICIPAL SHELLFISH PROGRAMS



This is a joint application form for a limited purpose aquaculture ("LPA") license from the Maine Department of Marine Resources (DMR) and a permit for aquaculture gear from the U.S. Army Corps of Engineers (ACOE). You must have both an LPA license and Army Corps permit before you can place aquaculture gear in Maine coastal waters.

This application is for municipal shellfish management programs only, which are established pursuant to statute and other legal requirements.

Incomplete Applications: Review each checklist carefully to make sure all required information is included. Do not leave questions blank. If you have questions about the application process, please contact the Aquaculture Division at DMRaquaculture@maine.gov or (207) 350-7815.

Nearshore Marine Resources Program: Your local Nearshore Program Marine Resource Scientist can provide some technical assistance and review the proposal prior to submission to the Aquaculture Division. They are not responsible for completing the application, submitting the application, or otherwise managing the application process on behalf of the municipal shellfish management program. Please contact the local Nearshore Program Marine Resource Scientist assigned to the area if you have technical questions or would like them to conduct a preliminary review. Contact information is available here: <https://www.maine.gov/dmr/fisheries/shellfish/nearshore-marine-resources-program>. Please make sure you are contacting staff several weeks prior to the start of the proposed activities. This allows time to provide you with assistance prior to you submitting the application to the Aquaculture Division for processing.

Missing Signatures: You must have all required signatures at the time of submission. Required signatures are listed in Chapter 2.90(2)(D). If an LPA is sited in five (5) feet of water or less, then it requires the shellfish committee Chair's signature or the signature of a designated town officer. If the municipality does not have a shellfish management committee, then a municipal official shall sign. The signature helps ensure the LPA activities are consistent with the overall goals of the shellfish program.

Point of contact: This individual is the primary contact for the LPA. DMR staff would contact this person with any questions about the LPA, they would also be sent information about renewal, etc. Please note that email is the primary method of contact, so this person needs to have an email account that they check regularly.

Assistants: Instead of listing individuals by name, this field has been updated so that it covers any individual(s) the municipality may elect to designate. This is intended to reflect the fact that more than three persons may help with the LPAs. However, the municipal shellfish program needs to keep records of the person(s) authorized to help with the LPA. This way, if there was an enforcement or other issue it would be clear who was authorized to participate in the operation of the LPA.

Required Signature(s) Denied: If required signature is denied (except for cases where a riparian landowner denies signature), you may request that DMR review the basis for the denial of signature (see Chapter 2.90(2)(D)(4)). However, you need to submit with the application a statement that indicates which signatures were denied and a request that DMR review the basis for their denial. Please note that if DMR determines that the signature was denied on reasonable grounds, the application will be denied.

Notification of Riparian Landowners: You are required to notify all shoreline and/or intertidal landowners within 300 feet of the license site (please note: many landowners have deeded ownership of intertidal flats and this must be considered for purposes of notification) by sending, via certified mail, a copy of the LPA application, including information about how riparians can submit comments to DMR regarding issuance of the license. Mapping needs to comply with DMR policy, which is hosted on our website on the tab titled “Resources for Growers and Applicants.”

Legibility: Please use **black ink or type** when completing your application. In accordance with regulation, DMR sends a copy of your application to the ACOE and municipality. Other ink colors and pencil often become illegible when scanned and copied and can result in delays for the applicant.

Communication and Response: Email is the method of contact DMR will utilize to communicate with you about the application. Please respond to inquiries within 30 days of receipt.

To apply for an LPA license: Complete this application form, including the required attachments. Send one copy of the application with the attachments and the license fee to the address below. DMR will forward a copy of your application to the Army Corps of Engineers and municipality.

DEPARTMENT OF MARINE RESOURCES
ATTN: Aquaculture Division
21 SHS
Augusta, ME 04333-0021

APPLICATION CHECKLIST

Before submitting your application make sure you have answered all questions and included all of the following documents.

- Vicinity map** with required items shown
- Overhead view** depicting layout of the gear from overhead
- Cross-section view** depicting gear & moorings from the side

Documents that are only required for sites that are within 300' from shorefront property (measured from mean low water mark). Applications for LPA sites in marina slips, lobster pounds, and similar sites are exempt from this requirement.

- Tax map**
- Riparian list**, certified
- Copies of receipts** for sending certified mail to riparian landowners
- Complete application** including ALL required signatures.

REQUIREMENTS AND RESTRICTIONS FOR LPA LICENSES

See DMR Regulation 2.90 for the full regulation

1. **License Limit:** No more than four licenses may be held by a single municipal shellfish management program at the same time.
2. **Density Limit:** There can be no more than four LPA license sites within a 1,000-ft. radius. LPA sites located in marina slips, lobster pounds, or similar enclosed or partially-enclosed sites that are owned or controlled by an entity which has the legal authority to restrict access to or use of the site and which has consented in writing to the placement of the gear on the site are exempt from this density standard.
3. **Intertidal Sites:** For LPA sites above the extreme low water mark (XLW) in towns with a municipal shellfish management program established in accordance with 12 M.R.S.A. §6671, the chairperson (or designated town officer) of the municipal shellfish committee is required to sign the LPA application form to verify that the LPA will not unreasonably interfere with the activities of the shellfish program. If the municipality does not have a committee, then a municipal official shall sign. To ensure that all LPA applications above XLW obtain the necessary signatures, all proposed sites in 5 feet of water or less at MLW are required to obtain necessary signatures in communities that have a shellfish management program. For LPA sites above the mean low water mark (MLW), the signature of the riparian landowner of the adjacent upland is required on the application to verify that the landowner consents to the LPA activity being conducted on the owner's intertidal land.
4. **Water Quality:** Find the water quality classification of the LPA site on the web at <https://www.maine.gov/dmr/fisheries/shellfish/shellfish-closures-and-aquaculture-leases-map>. LPA license sites for shellfish may not be within 300 feet of any areas classified as prohibited and can only be located in areas that are classified as approved or conditionally approved, except for the sole culture of seed. Sites raising only shellfish seed and complying with maximum seed size limits (DMR Rule Chapter 2.95(A)(4)(a)) may be located in restricted, conditionally restricted, or prohibited areas subject to relay requirements, but are prohibited in the 300:1 dilution area around a wastewater treatment plant outfall (DMR Rule Chapter 2.90(3)(D)(3)). Water quality classification restrictions do not apply for the culture of green sea urchins or marine algae, except for marine algae for human consumption, which cannot be grown in the 300:1 dilution area around a wastewater treatment plant outfall.
5. **Essential Habitats:** LPA licenses cannot be located within areas designated as Essential Habitat by the Maine Department of Inland Fisheries and Wildlife (MDIFW).
6. **Eagle Nests:** Bald and Golden Eagles are not protected under the Endangered Species Act but are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.) by the U.S. Fish & Wildlife Service (USFWS). The USFWS recommends that all structures and activity should be limited to no closer than 660 feet of an active nest to avoid disturbing eagles.
7. **Riparian Landowners:** You are required to notify all storefront and/or intertidal landowners within 300 feet of the license site by sending, via certified mail, a copy of the LPA application, including information about how riparians can submit comments to DMR regarding issuance or renewal of the license. Consideration should be given to the fact that most riparians own to the mean low water mark. Notification requirements apply to privately and publicly (municipal, state, or federal) owned lands.
8. **Army Corps Permit:** A permit from the U.S. Army Corps of Engineers is required prior to the placement or use of any gear in the license area. For more information about the Army Corps permit, contact cenae-r-me@usace.army.mil or (207) 623-8367.
9. **Renewing your LPA License:** LPA licenses expire on December 31 each year. DMR will send you renewal instructions prior to December 31.

IMPORTANT INFORMATION FOR LPA LICENSEHOLDERS

Source: DMR Rule Chapter 2.90 (5) and (6)

1. **No Discharge.** See *Chapter 2.90 (5)(A)*. The licensed activity must not generate a discharge. No substances can be added to the water, such as feed or medicine.
2. **Carry a copy of the LPA License.** See *Chapter 2.90 (5)(B)*. Individuals must each carry a copy of the LPA license whenever they are engaged in any activity at the LPA site.
3. **Restrictions on Harvest.** See *Chapter 2.90 (5)(C)(1)*. Harvest of shellfish is prohibited in areas closed due to marine biotoxins or bacterial pollution. For details about closed areas, see the Department's web site at: <https://www.maine.gov/dmr/fisheries/shellfish/closures> or call DMR Marine Patrol Division I at 207-633-9595 (for areas west of Lincolnville), or Division II at 207-664-2392 (for areas east of Camden), or call the Shellfish Sanitation Hotline at 1-800-232-4733. LPAs do not qualify for Memorandum of Understanding agreements to allow exemptions from biotoxin closures.
4. **Record-Keeping.** Please maintain complete, legible, and accurate records of transport, transfer, harvest, and monitoring and keep these available for inspection for at least two (2) years; and submit to DMR upon request. The records must include the following:
 - (1) LPA acronym, site location, date
 - (2) Source of shellfish, including seed if the seed is from growing areas which are not in the approved classification status pursuant to Chapter 2.90 and/or Chapter 94;
 - (3) Dates of transplanting and harvest;
 - (4) Records of the origin and health status of all seed or shellfish stock reared on the site must also be maintained.
5. **Site Marking.** See *Chapter 2.90 (6)(B) and (C)*. The LPA site ID and SEA FARM must be clearly marked on every buoy. Each LPA site that has gear must be marked at each corner, center point, or at each end of the gear as appropriate for the gear type deployed. Marker buoys must be yellow and host reflective material.
6. **Maintenance Standards.** See *Chapter 2.90 (6)(A)*. All aquaculture gear must be maintained and kept in a fully operational condition. Storage of gear when not in use must be located in an upland location and not on the substrate or on marsh vegetation. Please ensure that bird or mammal waste do not accumulate on gear and adversely impact water quality on or around the LPA.
7. **Contact the Coast Guard.** Contact the U.S Coast Guard Private Aids to Navigation Office for approval of navigation marking devices according to the United States Coast Guard Private Aids to Navigation (PATON) standards. To begin the application process, go to <http://www.usharbormaster.com> and register. Send DMR a copy of any Coast Guard marking requirements.
8. **Transplant Permit(s).** If the LPA is granted, notice of the final decision will be sent to the Nearshore Marine Resources Program and staff will contact you about any transplant permit(s) that may be required for this project.
9. **Amendments.** No changes can be made to the LPA license during the licensing term. At the time of renewal, the holder may request changes to source of stock, species, mooring type/layout, and assistants.
10. **Contact information.** The LPA holder must notify the Aquaculture Division of any changes to the contact information listed on the license, in writing, within 30 days of the change taking effect.

Applicant Information

Name of Municipal Shellfish Management Program	Brunswick Shellfish Committee
Name of Point of Contact	Warden Dan Sylvain
Address	85 Pleasant Street
City	Brunswick
State, Zip	Maine 04011
Telephone	207-721-4336
Email	dsylvain@brunswickpd.org

Assistant Information

Assistants	<input checked="" type="checkbox"/> If the LPA is granted, the Municipal Shellfish Program needs to keep a list of the individuals authorized to assist with the activities. Checking the box indicates understanding of this requirement.
------------	--

Location of License Site

Town	Brunswick
County	Cumberland
Waterbody	Gurnet Straits
Additional description (e.g., <i>south of Hog Island</i>)	Attached to existing float on the pier at 697 Gurnet Rd.
LPA Health Zone <i>(More information on LPA Health Zones can be found on MDMR's website)</i>	5
Is this site above mean low water (is the site intertidal)?	No
If no above, is this site above extreme low water (is it located within 5 feet of water or less)?	<p><i>NOTE: If an LPA is sited in five (5) feet of water or less and the municipality where the proposed site is located has a municipal shellfish program in accordance with 12 M.R.S.A. §6671, then additional signatures are required (see Chapter 2.90(D)(3)(a))</i></p>
Purpose	<input checked="" type="checkbox"/> We understand that the LPA can only be used for municipal shellfish management activities.

Species and Source of Stock: Check each species you intend to cultivate in the current license year and list the source of stock. Seed needs to come from an approved hatchery or originate from within the LPA License Health Area in which your license is located. Clams may only be sourced from an approved hatchery.

Check Here	Species	Source of Stock (Name, Address, Phone)	Approved Hatchery	“Wild”, Same LPA Health Area
<input type="checkbox"/>	Blue mussel (<i>Mytilus edulis</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	European oyster (<i>Ostrea edulis</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	American/eastern oyster (<i>Crassostrea virginica</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Hard clam/quahog (<i>Mercenaria mercenaria</i>)	Muscungus Bay 24 Seal Ledge Lane Bremen, Maine 04551	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	*Sea scallop (<i>Placopecten magellanicus</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Soft-shelled clam (<i>Mya arenaria</i>)	Downeast Institute 39 Wildflower Lane Beals, Maine 04611	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Artic surf clam (<i>Mactromeris polynyma</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Hen clam (<i>Spisula solidissima</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Razor clam (<i>Ensis leei</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Green sea urchin (<i>Strongylocentrotus droebachiensis</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	*Bay scallop (<i>Aequipecten irradians</i>)		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Marine algae (all seaweeds, including kelp)	<i>List each individual marine algae species and sources of stock here:</i>	<input type="checkbox"/>	<input type="checkbox"/>

* Sales of adductor muscles only. Sales of roe-on or whole scallops are strictly prohibited.

Water Quality Classification

Growing Area Designation (e.g. WA(A) or WA(P1))	WL
If the proposed site is located within an area classified as prohibited, restricted, or conditionally restricted the following apply: A. Only shellfish seed can be cultured on the site B. Must comply with the maximum seed size limits defined in Chapter 2.95(A)(4) C. Seed can only be moved to another aquaculture site, and you must contact dmrpublichealthdiv@maine.gov prior to any movement.	Please check box to indicate understanding and compliance: <input checked="" type="checkbox"/>

Water quality information can be found here: <https://www.maine.gov/dmr/fisheries/shellfish/shellfish-closures-and-aquaculture-leases-map>

Coordinates

Enter geodetic coordinates for the center point of the license site below. Please enter your coordinates using the following format:

Decimal Degrees (43.123456 N, -69.123456 W)

Latitude	43.858562	W
Longitude	-69.913159	N

Site Characteristics

Describe the surrounding uplands (i.e. <i>forested, residential, farmland, commercial</i>): Residential and Working Waterfront	
Describe the bottom characteristics (<i>description of substrate including flora and fauna</i>): Shellhash and Rocky	
Depth	
Depth at mean low water in feet: 4	
Depth at mean high water in feet: 13	
Is your site located within an Essential Habitat by the Maine Department of Inland Fisheries and Wildlife (MDIFW) Essential Habitat? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an eagle's nest within 660 feet (200 m) of the proposed LPA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Eelgrass: Are there eelgrass beds on or near the site? If none, write "None." If so, where? How far are they from the site? No	
When were these eelgrass observations made? Month: 08 Year: 2023	

Existing Uses: Describe, in detail, your observations of all current uses of the waters on and around the proposed license site. Answer all questions in the boxes below.

Commercial Fishing	
What type of commercial fishing occurs in the area? Only Fishermen access occurs here. NO FISHING	
What season(s) do commercial fishing activities occur in the area? Spring to Fall but there is no fishing at the dock, fishermen and other users only use to access the water	
How frequently does commercial fishing activity occur? No fishing occurs at the dock where the upweller will be located.	
Does commercial fishing occur within the boundaries of the proposed site? If no, please describe where it occurs relative to the proposed site (i.e. 150 feet to the west of the site, etc.) No	
What impacts do you anticipate your proposed site having on observed commercial fishing in the area? Many positive impacts because it allows town fishermen a way to replenish their clam resources.	
Recreational Fishing	
What type of recreational fishing occurs in the area? There is some recreational fishing off the dock by guests of the owner.	

What season(s) do recreational fishing activities occur in the area?
Summer to Fall
How frequently does recreational fishing activity occur?
Weekly
Does recreational fishing occur within the boundaries of the proposed site? If no, please describe where it occurs relative to the proposed site (i.e. 150 feet to the west of the site, etc.)
No, Guest of the owner will cast poles off the dock. They may even stand atop the upweller to do it, but I dont think it will interfere with anything.
What impacts do you anticipate your proposed site having on observed recreational fishing in the area?
Positive impacts to the recreational shellfishermen. Suspect no negative impacts to Recreational fishing
Boating Activities
What type of boating occurs in the area (i.e. commercial, recreational)?
A dingy or small boat may be attached to the opposite side of the dock time to time
What season(s) do boating activities occur in the area?
Spring to Fall
How frequently does boating activity occur?
The upweller is attached to the dock and float. Boating will occur daily in this area.
Does boating occur within the boundaries of the proposed site? If no, please describe where it occurs relative to the proposed site (i.e. 150 feet to the west of the site, etc.)
No, the upweller will be attached to the dock.
What impacts do you anticipate your proposed site having on observed boating in the area?
Zero Negative Impacts
Other water-related uses (kayaking, swimming, etc.)
What type of other water related uses occur in the area (i.e. kayaking, swimming, etc)?
Ocassional Kyaking and swimming
What season(s) do other water related activities occur in the area?
Summer to Fall
How frequently do other water related activities occur?
At least Weekly
Do other water related activities occur within the boundaries of the proposed site? If no, please describe where they occur relative to the proposed site (i.e. 150 feet to the west of the site, etc.)
None
What impacts do you anticipate your proposed site having on observed water related activity in the area?
None

VICINITY MAP

NOTE: An example vicinity map is included at the end of this application and additional sample drawings available at <https://www.maine.gov/dmr/aquaculture/applications-and-forms/limited-purpose-aquaculture-lpa-license-applications-and-forms>

DIRECTIONS: Attach a vicinity map showing the LPA site and surrounding area. An enlargement of a NOAA chart or USGS Topographic map is suggested to provide this information. On the map, show the following:

- Location of proposed site
- 300' radius circle around site
- 1,000' radius circle around site
- Gear orientation
- North Arrow (indicate true or magnetic north)
- Show depth contours and indicate mean low water (MLW) and mean high water (MHW) on all land adjacent or nearest the site.
- Ebb and Flood directions
- Scale used on plan
- DMR water quality classification area
- Distance to prohibited area classification, if applicable

Label the location on your vicinity map, and check each of the following below, that are within 1,000 feet of the site. For each that applies, also indicate how your proposed site would impact each. If additional space is needed add an additional page.

Federal navigation projects or anchorages

How will your proposed site impact federal navigational projects or anchorages?

Navigational channels

How will your proposed site impact navigational channels?

The proposed site (attached to an existing dock) sits adjacent to the Gurnet Bridge, which spans mainland Brunswick to Harpswell. People use this area to navigate between Long Reach to New Meadows River. However the proposed upweller is completely clear of blocking any navigational channel, just noting its close proximity.

Structures

Use the space below to list any structures in the area, then specify how your proposed site will impact those structures.

The proposed shellfish upweller will be attached to the existing pier, ramp, and float system.

Aquaculture leases or licenses (LPAs)

How will your proposed site impact other aquaculture leases or licenses in the area?

Anchorages or moorings

How will your proposed site impact anchorages or moorings in the area?

The owner of the has town registered moorings near his dock, which will have the town upweller attached to it.

State or federal beaches

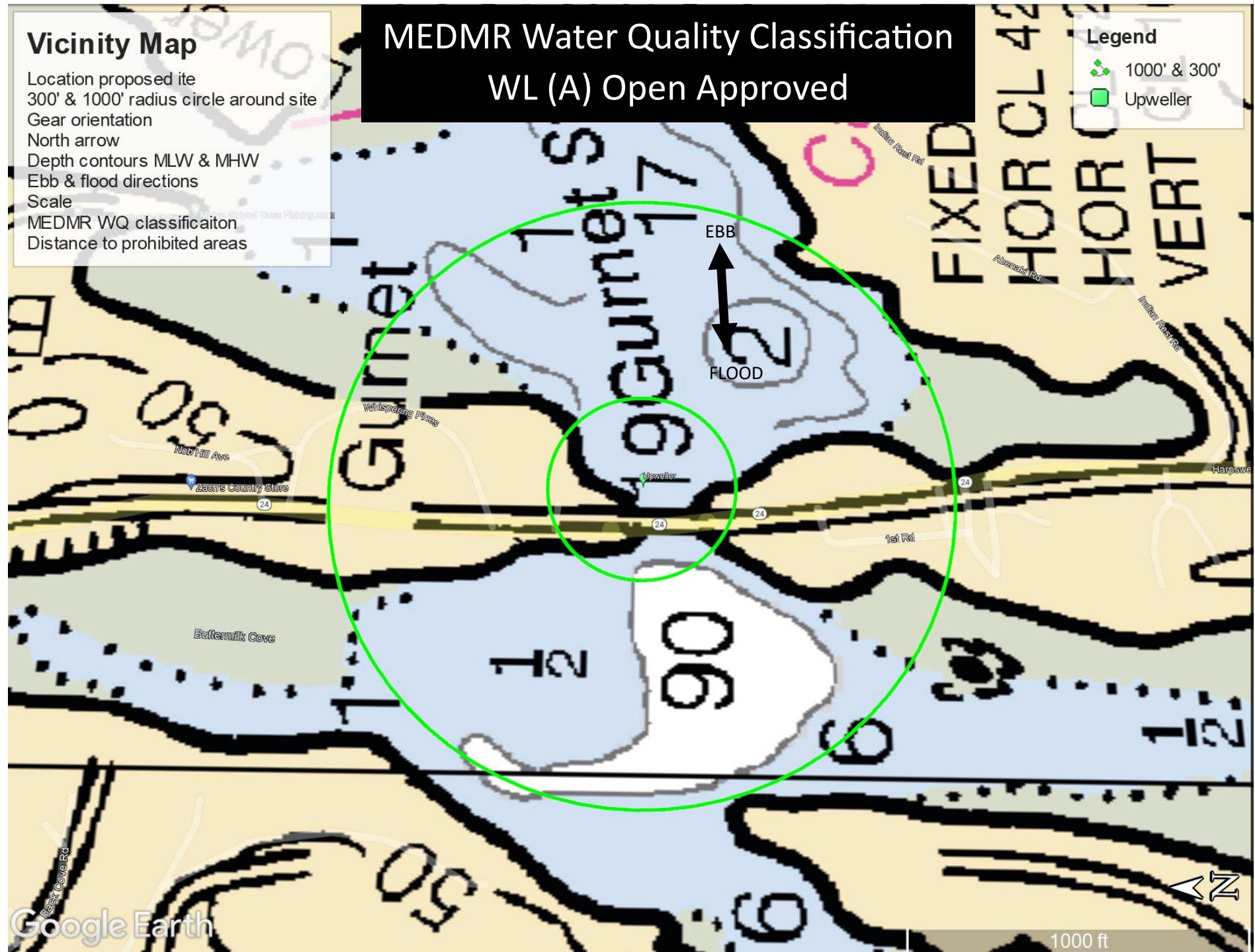
How will your proposed site impact state or federal beaches in the area?

Docking Facilities

How will your proposed site impact docking facilities in the area?

The proposed shellfish upweller will be attached to the existing pier, ramp, and float system. Note: this is not a public docking system

None of the above (you are certifying that the proposed site is not within 1,000 feet of anything listed above)



GEAR DESCRIPTION

No Gear (bottom culture only): Organisms will be cultured on the bottom with no gear or predator netting.

Upweller: Floating upweller system for spat growout.

Shellfish rafts, associated predator nets and spat collectors: Floating raft with suspended dropper lines and anti-predator netting typical of mussel culture. E.g. mussel raft.

Shellfish tray racks and over wintering cages: Box shaped cages made of rigid mesh (wire coated or plastic), often with interior shelves designed to hold soft mesh bags. Tray racks are often outfitted with floats that double as feet to hold the cages off the bottom. E.g. OysterGro and OysterRanch cages.

Soft bags, semi rigid bags, and/or floating trays: Single-layer soft mesh bags that are typically made of rigid plastic or wire mesh. Bags are most frequently floated on the surface in lines, placed inside tray racks/overwintering cages, or sunk to the bottom.

Lantern nets and/or pearl nets: A lantern net is a five or ten tier set of circular nets suspended from a central line. A pearl net is a single, pyramidal mesh enclosure.

Scallop spat collector bags: Mesh bags containing additional material (e.g. smaller mesh, Brillo pads) to increase surface area. Multiple bags are typically attached to a single vertical line.

Scallop ear hangers: Horizontal or vertical lines that attach to individual scallops by ear hangers.

Marine algae gear: Gear typically used may include rope, rafts with ropes attached, bags, longlines, and/or rope grids.

Bottom anti-predator netting: Netting that is spread over the bottom to exclude predators from species being cultured.

Check each gear category that you are seeking authorization for.

- No Gear (bottom culture only)
- Upweller
- Shellfish rafts, associated predator nets and spat collectors
- Shellfish tray racks and over wintering cages
- Soft bags, semi rigid bags, and/or floating trays
- Lantern nets and/or pearl nets
- Scallop spat collector bags
- Scallop ear hangers
- Marine algae
- Bottom anti-predator netting

List each individual gear type that you will use in the table below. **ALL GEAR** must be listed in the table, including lines, moorings, etc. even if it is displayed elsewhere in the application.

Specific Gear Type and Maximum Number to be used (e.g. (20) soft mesh bags)	Dimensions (e.g. 16"x20"x2")	Dates that gear will be in the water
Shellfish Upweller	8'X20'	June - September

Outer dimensions of maximum gear layout:

Note: Gear, excluding mooring equipment, may not exceed 400 square feet and must be provided in whole feet.

Width (1' or more): 8' Length (1' or more): 20'

Describe the moorings/tackle to be used inclusive of mooring type, bottom tackle, line, etc.

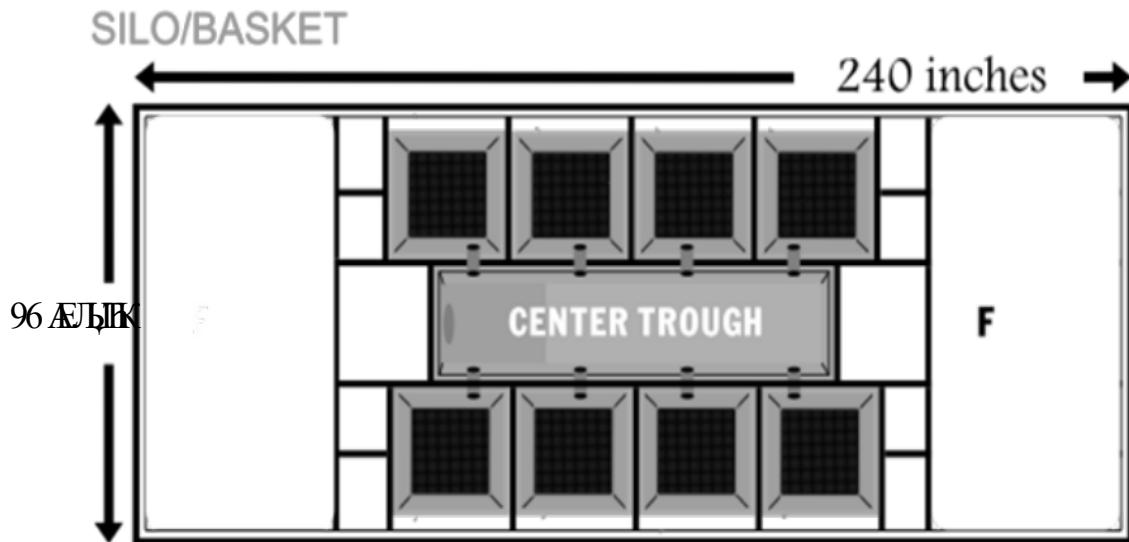
Upweller will be secured with 1" pins and brackets to the existing dock.

Will there be seasonal changes to your gear deployment? If yes, describe.
(i.e. *will your cages be sunk during the winter months, will your longlines be removed in the summer, etc.*)

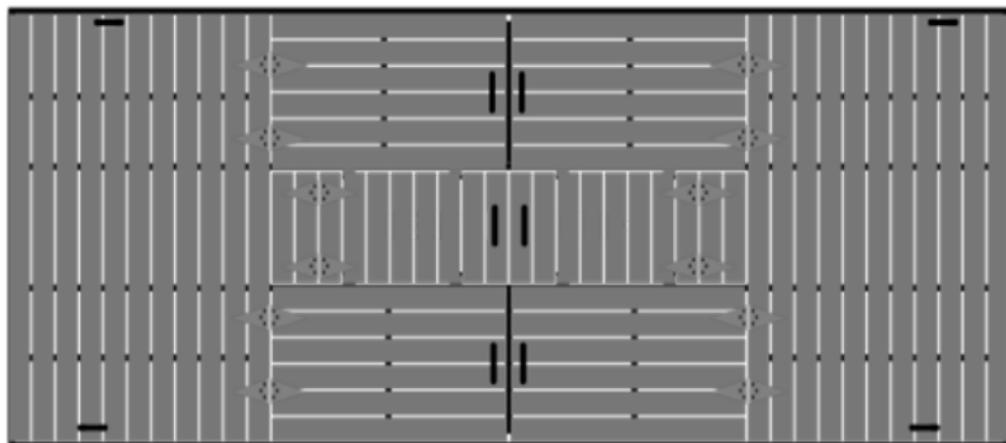
Upweller will be seasonal June-November

Overhead View

Max. Dimensions 160ft2



SILO/BASKET



OYSTER
AQUACULTURE
NURSERY
EQUIPMENT



Floating Upweller

Maximum efficiency, minimum maintenance.

Description

100K-10K per silo 4mm-8mm Seed | Average Growth Rate - .5-1mm Per Week

Hoopers Island Oyster Co's floating upwellers are specially designed in-house for low maintenance and high efficiency. The unique design incorporates a basket/silo combination to allow easy access to your seed and extend the animals further down into the water column creating more water pressure and higher water flow. Water flow from individual silos is dumped into a centrally located trough with a well and mounted pump to eliminate cavitation.

Features

All components are constructed on a fiberglass mold using industrial grade fiberglass and polyester resin. Products are finished on both sides with a polyester gel coat. Our tank upweller and floating upweller combo can handle 1-2 million seed per season. Production can be increased by adding additional floating upwellers.

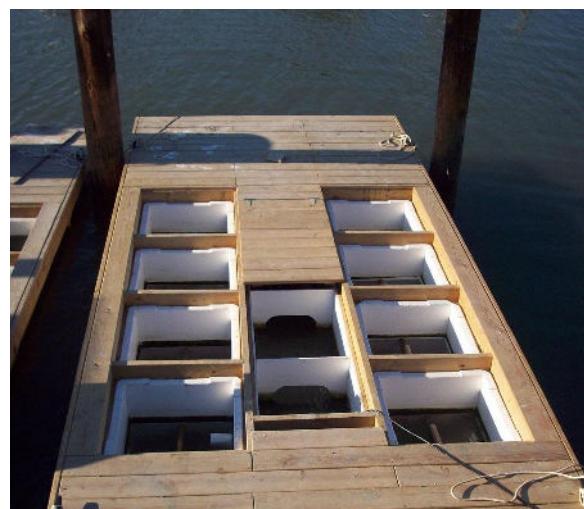
Benefits

- Easy access to seed for cleaning & grading
- Low maintenance/High efficiency
- Extends oysters further into water column to increase water pressure and float rates



Unit Components

- 3/4 HP Ice Eater Pump
- 8 Silo/Basket Combinations
- One trough
- Two 4'x8'x1' floating dock floats
- One 8'x20' deck



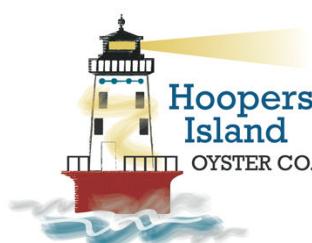
Complete Unit Price

- Closed Deck \$10,945.00

Pick up in Cambridge or we ship worldwide

Terms

- Lead time is approximately 30 days from placing a 50% deposit
- Extended Spring lead time due to order volume
- Full payment required prior to shipping
- Add 3% for credit card orders

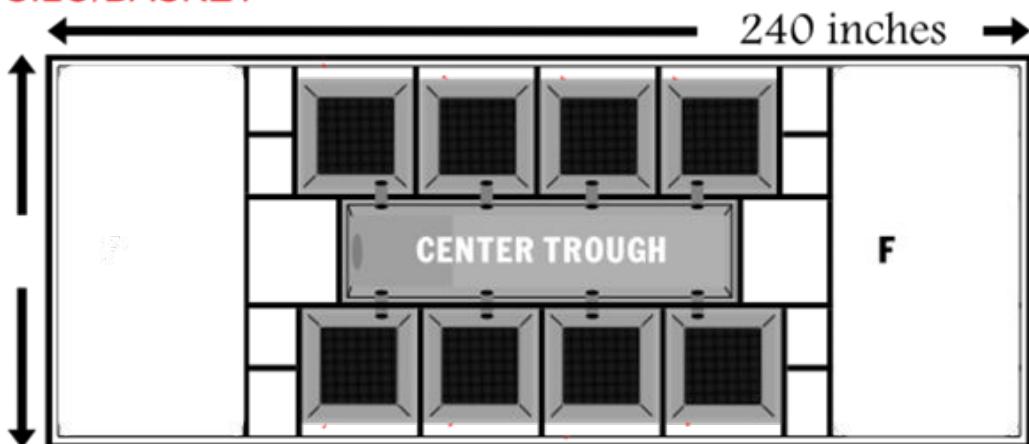


Main Office • 837 Chesapeake Drive • Cambridge, MD 21613
(410) 397-3664 • www.HoopersIsland.com

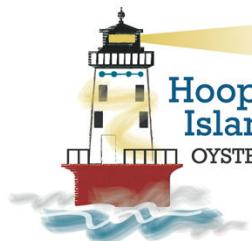
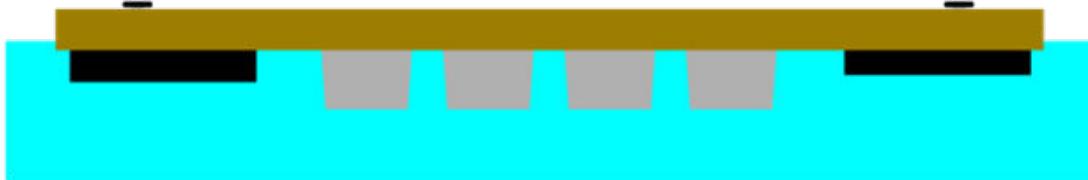
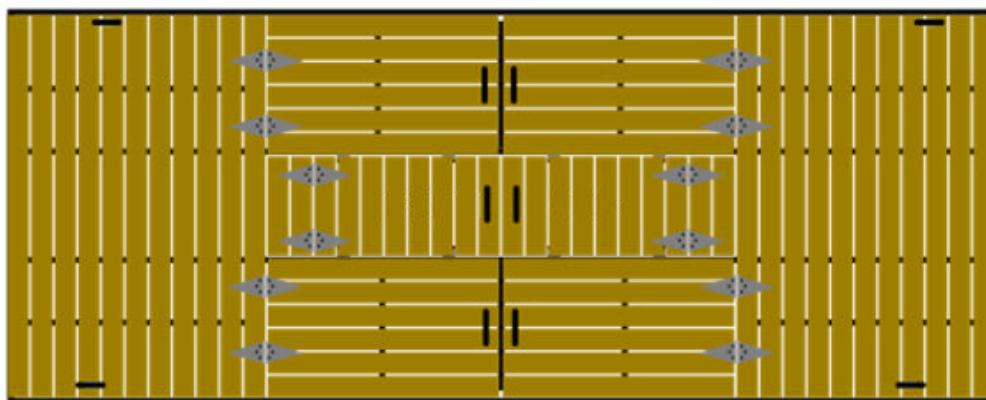
Floating Upweller

Maximum efficiency, minimum maintenance.

SILO/BASKET



SILO/BASKET



Hoopers
Island
OYSTER CO.

Main Office • 837 Chesapeake Drive • Cambridge, MD 21613
(410) 397-3664 • www.HoopersIsland.com



Existing
Meter

COMPLETE THIS SECTION FOR CULTURING SHELLFISH IN SUSPENDED GEAR ONLY:

Suspended culture gear (e.g. floating bags, cages, or trays) 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.

Please note, washing of bird feces into surrounding waters is not considered mitigation or deterrence and will not be accepted.

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)

We dont expect that birds would be an issue as they are not currently. The upweller will be attached to the pier, ramp and ultimately the float.

OVERHEAD VIEW AND CROSS-SECTIONAL VIEW OF GEAR LAYOUT

Attach both an overhead view and cross-sectional view drawing of your proposed gear on 8 1/2" x 11" paper, drawn clearly and dark enough to photocopy. Do not use color shading; it will not show on copies.

NOTE: Sample drawings can be found at the end of this application and additional samples are posted on the DMR web site at: <https://www.maine.gov/dmr/aquaculture/applications-and-forms/limited-purpose-aquaculture-ipa-license-applications-and-forms>

DIRECTIONS:

1) Overhead View: From an overhead view, show the **maximum** layout of gear to be deployed on the site. **Label** gear to show number of units, dimensions, and materials. Include drawings of individual types of gear. Show on the plan that the area occupied by the gear, excluding mooring equipment but including space between items of gear, will not exceed 400 square feet.

Provide an overhead view for each possible gear configuration, including seasonal changes.

2) Cross-Section View: **Show** the sea bottom substrate, mean high and low water marks, and profiles of gear in cross-section as it will be deployed. **Label** all gear with dimensions and materials. **Show** mooring gear with mooring type, scope, hardware, and line type and size. Drawing must depict water depth at mean high- and mean low-water.

Provide a cross-section view for each possible gear configuration, including seasonal changes.

REQUIRED SIGNATURES

Harbormaster or Town Official Signature

I have reviewed this license application and find that this activity, as proposed, will not unreasonably interfere with navigation, the ingress and egress of riparians within 300' of the license site, or fishing or other uses of the area.

Town of Brunswick Habormaster Dan Sylvain

Print Name, Town, Title:

Date

Signature of Harbormaster or Town Official

DMR Rule Chapter 2.90 (2) (D) (2) – In municipalities not served by a harbormaster, a municipal officer (selectman, councilor, alderman, or mayor, see 30-A MRS §2001 (10)) or other **elected municipal official may sign the application. For the unorganized territory where a harbormaster does not have jurisdiction, a marine patrol officer may sign.*

OTHER SIGNATURES REQUIRED AS NOTED BELOW

Marina or Pound Owner

(For sites in marina slips, lobster pounds, and similar areas - see DMR Rule Chapter 2.90 2 (E)(1)

I, _____ (print name), am the owner or the authorized representative of the owner or entity that has the legal authority to restrict access to or use of the marina slip, lobster pound, or similar area where this LPA license site is located, as described in DMR Rule Chapter 2.90 (1) (B). I consent to the placement of aquaculture gear on this site as proposed in this application.

Signed: _____ Date: _____

Riparian Landowner of Intertidal Zone:

(For sites above mean low water, MLW – see DMR Rule Chapter 2.90 (2)(D)(3)(b)

I, _____ (print name), am the riparian owner of the upland and adjacent intertidal land where this LPA license site is located. I consent to the placement of aquaculture gear on this site as proposed in this application.

Signed: _____ Date: _____

Municipal Shellfish Management Program:

(For sites above extreme low water, XLW see DMR Rule chapter 2.90(2)(D)(3)(a). Required for sites in 5 feet of water or less at mean low water. Only required in municipalities with a municipal shellfish management program established in accordance with 12 M.R.S.A. §6671)

I, _____ (print name), am the chairperson or designated town officer of the Municipal Shellfish Management Committee for the Town of _____. This LPA license site is located above the extreme low water mark. My signature below verifies that this LPA will not unreasonably interfere with the activities of the municipal shellfish management program, according to DMR Rule Chapter 2.90(D)(3)(a).

Signed: _____ Date: _____

Riparian Notification

Is there storefront land (**including land above MLW and state and federal owned land**) within 300 feet of the proposed license site?

Yes No

If yes, you are required to send a copy of your application to all riparian property owners whose property, including those lands between high water and mean low water, is within 300 feet of the proposed license site following the directions below. If there is no storefront land, including lands to the mean low water mark, within 300 feet, you may skip this section. Applications for LPA sites in marina slips, lobster pounds, and similar sites are exempt from this requirement.

INSTRUCTIONS FOR NOTIFICATION TO RIPARIAN LANDOWNERS

Step 1, Tax Map: Obtain a copy of the municipal tax map showing the land in the vicinity of the lease site. On the map, **mark** the center point of the LPA site. If there is an accurate scale on the map, **draw** a 300-foot radius around the site. **ATTACH THE MAP TO YOUR APPLICATION**

NOTE FOR LPAs PROPOSED IN UNORGANIZED TERRITORY: To obtain a list of storefront properties for LPAs in Unorganized Territory, contact Maine Revenue Services, Property Tax Division (Unorganized Territory), PO Box 9106, Augusta, Maine, 04332-9106. 207-624-5600.

Step 2, Riparian Owners List: On the “Certified Riparian List” include the names and current mailing addresses of all riparian landowners of storefront land, *including lands to the mean low water mark*, within 300 feet of the lease site as shown in the municipal tax records. **Have the list certified by the municipal clerk or tax collector. ATTACH THIS LIST TO YOUR APPLICATION**

Step 3, Notify Riparians: Send a copy of the completed application, including the page of this application titled “Notice to Riparian Landowners” (Page 16 below), via **certified mail** to all the riparian landowners on the list. Note: Name and address must be filled out on receipt(s). **ATTACH THE ORIGINAL (OR COPIES) OF THE RECEIPTS TO YOUR APPLICATION**

NOTICE TO RIPARIAN LANDOWNERS

You have received a copy of an application to the Maine Department of Marine Resources (DMR) for a limited purpose aquaculture (LPA) license to grow shellfish or marine algae (seaweed) in an area of Maine coastal waters covering no more than 400 square feet. The applicant is a Municipal Shellfish Management Program, and this site would be utilized for their conservation work. DMR rules require the applicant to send a copy of the application to owners of shoreline land that is located within 300 ft of the proposed license site.

LPAs are processed in accordance with 12 M.R.S.A. §6072-C and Chapter 2.90 of DMR's regulations. These are annual licenses that expire December 31st each year and are very limited in scale. They are a 'permit-by-rule' type of application and there is no public hearing. LPAs may be granted if they do not unreasonably interfere with navigation, fishing or other uses, or the ingress and egress of riparian landowners.

If you have concerns about this application specific to navigation, fishing or other uses, or riparian ingress/egress, please submit comments to DMR. Comments need to be submitted to the email or mailing address listed below within the next two weeks. DMR will review any comments received in consideration of applicable decision criteria (listed above) and laws and rules governing LPA processing. In accordance with law, notice of a final decision is sent to the municipality.

If the LPA is granted, the licensee may apply to renew their license prior to December 31st. DMR will notify the municipality of LPA renewals as required by law. DMR will request the municipality post notice of the renewal application at the town office (this typically occurs in November). Persons may submit comments to DMR about the proposed renewal within 14 days of the date of the notice.

Department of Marine Resources
Attn: Aquaculture Division
21 SHS
Augusta, ME 04333-0021
DMRaquaculture@maine.gov

RIPARIAN OWNERS LIST

For LPA applications

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

On this list, please show the current owners' names and mailing addresses for all storefront parcels, *including lands owned to the mean low water mark*, within 300 feet of the proposed license 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 form below. If the parcels are within more than one municipality, provide a separate, certified, riparian list for each municipality.

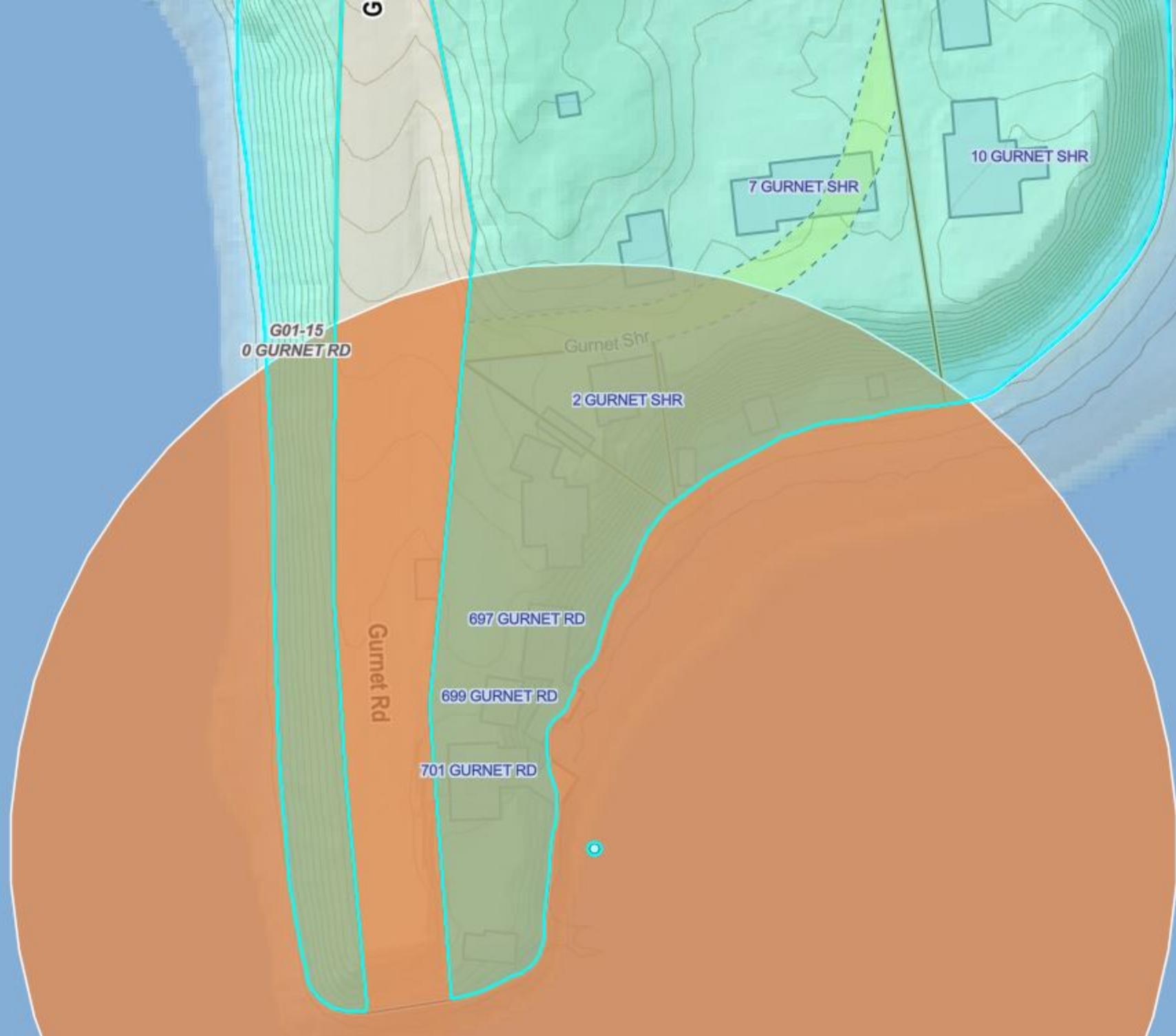
TOWN OF: Click or tap here to enter text.

MAP #	LOT #	Landowner name(s) and address(es)
G01	15	State of Maine Department of Transportation 16 State House Station Augusta Maine 04333
G01	14	Blake C. Civello 697 Gurnet Rd. Brunswick Maine 04011
G01	13	Jesse & Evelyn Coffin 2 Gurnet Shore Rd. Brunswick Maine 04011
G01	12	John & Heidi Coffin (Trustees) PO Box 1044 Brunswick Maine 04011
G01	31	Alan Coffin 10 Gurnet Shore Rd Brunswick Maine 04011

CERTIFICATION

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

SIGNED: _____ **DATE:** _____



TOWN OF HARPSWELL

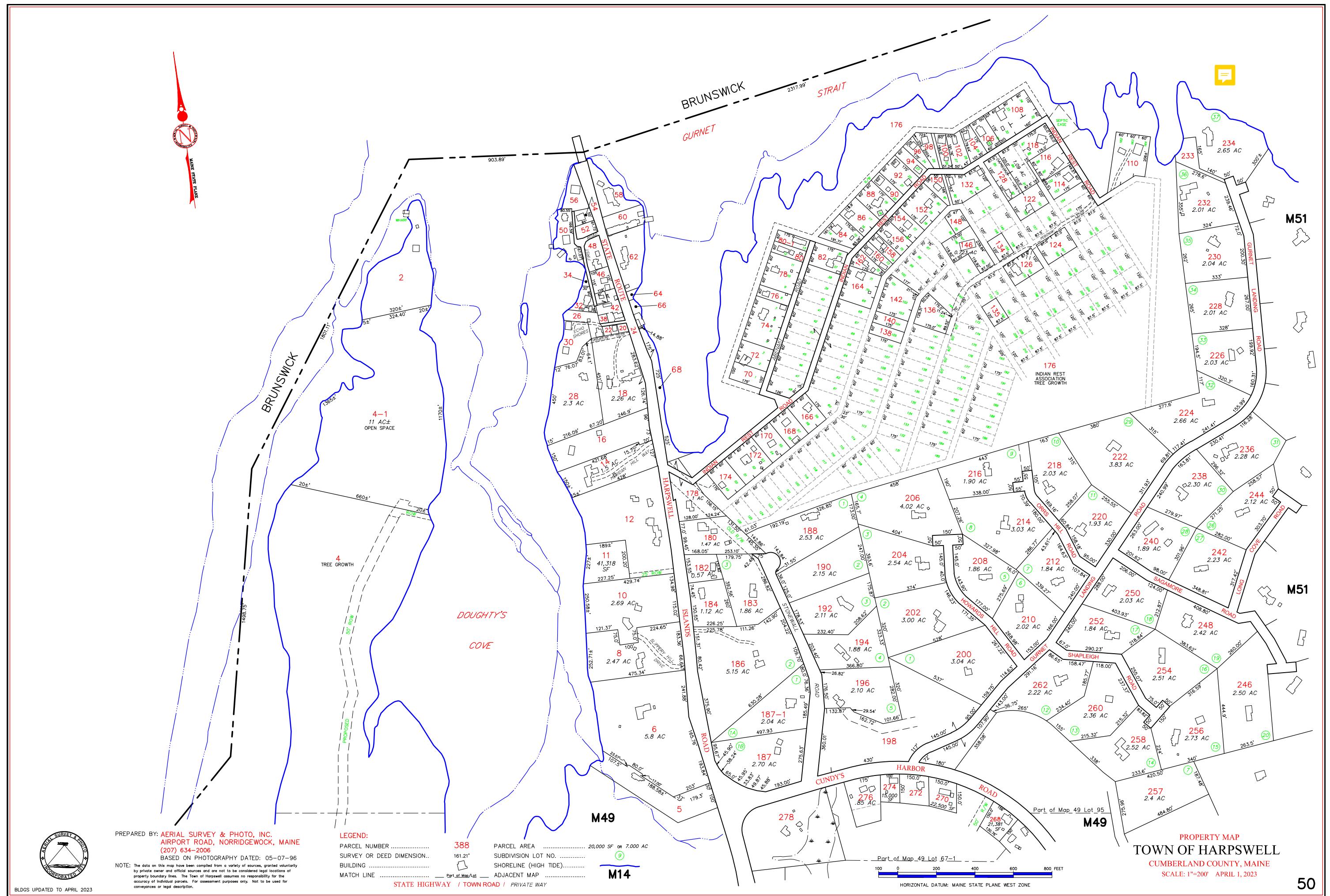
MAP #	LOT #	Landowner name(s) and address(es)
50	56	Richard & Laura Trustees of the Green Family Trust 1236 Hillsboro Mile Apt408 Hillsboro FL 33062
50	58	Anne Crooker 11 Harpswell Island Rd. Harpswell Maine 04079

Please use additional sheets if necessary and attach hereto.

CERTIFICATION

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

SIGNED: _____ **DATE:** _____



APPLICANT'S SIGNATURE

In accordance with law, the chairperson of the shellfish committee or a designated municipal official must sign on its behalf. The person who signs the application understands the following: The information provided on this form is true and correct and the municipal shellfish management program, including anyone permitted to engage in these activities will comply with all applicable DMR laws and rules. Under Title 12 MRS §6306, the signature on this application authorizes Marine Patrol officers to inspect the license site. Licenses can be revoked if false information is provided in the application.

 Type of Signature	<input type="checkbox"/> Chairperson of the Shellfish Committee, or <input type="checkbox"/> Designated Municipal Official
Printed Name of Individual	Camden Riess, Chairman
Signature of Individual	
Date	

Before submitting your application make sure you have answered all questions and included all of the following documents:

- Vicinity map** with required items shown
- Overhead view** depicting layout of the gear from overhead
- Cross-section view** depicting gear & moorings from the side

Documents that are only required for sites that are within 300' from shorefront property (measured from mean low water mark). Applications for LPA sites in marina slips, lobster pounds, and similar sites are exempt from this requirement.

- Tax map**
- Riparian list**, certified
- Copies of receipts** for sending certified mail to riparian landowners
- Complete application** including ALL required signatures