APPLICATION TO CONDUCT AQUACULTURE

Date of Application:10/13/2020 Total Acreage Requested: .73
Proposed Start Date:4/01/2021 End Date: 4/01/2031

Specie(s): x Oyster (*Crassostrea virginica*) Max # to be produced: 500,000
☐ Quahog (*Mercenaria mercenaria*) Max # to be produced: _____
☐ Scallop (*Argopecten irradians*) Max # to be produced: _____
☐ Other:_____ Max # to be produced: _____
Source of Species: Little Narragansett Bay Oyster Company
Contact Person: William MacKay Phone #617-413-4803

Primary Gear Type(s): × Bottom ☐ Suspended ☐ None
☐ Net ☐ Cage ☐ Other:_____

Contact Person: William MacKay

Firm/Company Name: Little Narragansett Bay Oyster Company, LLC

Mailing Address: P.O. Box 54
Stonington, CT 06378

Phone: (day) 617-413-4803

Email: mackayww@gmail.com

DA/BA Permit No(s) CT090AO Expiration Date:December 31, 2020
CT 080 SS

CTDEEP Permit No(s)_____ Expiration Date:_____

USACE Permit No(s) NAE-2016-00451 Expiration Date:_____

Provide a photo of the vessel to be used.
Vessel Registration:CT 3654 BK Name: n/a

Make & Model:Evans 25 Length & Color: 25'; White

I have read and understand, the "Overview of the Application Process to Conduct Aquaculture in Stonington, CT", "Stipulations for Approved Aquaculture Operations in the Town of Stonington Waters", and "Shellfish Resource Management Plan" documents, and agree to adhere to the terms and conditions as defined. A validated Certificate of Availability is attached.

Signed _____ Date 10/14/2020

THIS APPLICATION MUST BE SUBMITTED IN BOTH ELECTRONIC & HARD COPY (7 copies)

TOWN OF STONINGTON
Office of the Town Clerk

Certification of Shellfish Grounds

Pursuant to Connecticut General Statute 26-242, I hereby certify that I have examined all records and maps in my custody pertaining to shellfish leases and grants, and based on such examination, can further certify that the following ground has not been previously designated and that such ground in within the limits allotted by law for designation by the Shellfish SSC.

Applicant Name:_William MacKay

Firm/Company Name: Little Narragansett Bay Oyster Company, LLC

Description of the Plot (Include geographic coordinates, which must be the same as those in 2a of this form):

North Corner
41.340261 N , 71.885962 W

East Corner
41.339830 N, 71.885524 W

South Corner
41.339582 N, 71.886017 W

West Corner
41.340046 N , 71.886448 W

Oct. 14, 2020
Date

Stonington Town Clerk
Cynthia Ladwig

1. Objective/Outcomes

a) What are your business and operational objectives? Please provide a business plan if you have one.

The main objective of this bottom planting area is to attempt to salvage the remaining oysters on my current grow out area from a boring sponge infestation. In talking with other oyster farms, many found bottom planting oysters to be beneficial in controlling boring sponge. I do believe that bottom planting is a more efficient farming method in my current situation and hope to continue planting my remaining seed that is not used in my floating bag culture. Ultimately it would be great to have both bottom culture oysters as well as floating cage oysters to market from my operation.

b) Show the year-by-year increase of the number of acres and number and type of shellfish under cultivation as your operations grow from startup to maximum production.

YEAR	# OF ACRES	NUMBER AND TYPE OF SHELLFISH
1	.73	300,000 Oysters ranging from 1" to 2.5"
2	.73	150,000 Oysters
3	.73	150,000 Oysters
4	.73	150,000 Oysters
5	.73	150,000 Oysters

2. Culture/Grow-out Grounds

a) Provide a list of the latitude & longitude coordinates that define the boundaries of the aquaculture area.

North Corner
41.340261 N , 71.885962 W

East Corner
41.339830 N, 71.885524 W

South Corner
41.339582 N, 71.886017 W

West Corner
41.340046 N , 71.886448 W

b) Provide a NOAA navigational chart showing the location and extent of the proposed aquaculture operation. The chart may be plotted using the Aquaculture Mapping Atlas (https://clear3.uconn.edu/aquaculture/) with the NOAA Navigational chart base map. Additional maps showing satellite images may be provided to show further details of the area of the proposed activity.

Please see attached Figure 1a and 1b

c) Describe the in-water resources such as natural shellfish populations, and other marine species present. Eelgrass bed locations and extents **must** be shown on the map; if no eelgrass is present, please state this to be the case. Note: The applicant may be required to conduct a formal eelgrass survey using the method described in "Joint Federal Agency Submerged Aquatic Vegetation Survey Guidance for the New England Region (Updated August 11, 2016).

The bottom at this location is sandy, with some larger pebbles and a layer of mud about 2" deep. Other than patches of caldophora that shift from day to day there is no SAV present within the site. There may be clams in the bottom and I do see a few mantis shrimp or crab holes here and there.

d) Describe the water-based activity in the vicinity of the proposed aquaculture operation. Water-based activity includes, but is not limited to, swimming, kayaking, recreational and commercial boating fairways, nearby docks, recreational and commercial fishing grounds, etc.

The main water based activity in this area is kayaking. There are several moorings located to the north and east, south east of this proposed site but the actual site is situated in water that is too shallow for most vessels to enter other than skiffs and kayaks. I have see paddle boarders in the area also.

e) Provide the complete names and addresses of all land owners for any property located five hundred (500) feet or less from the boundaries of the proposed license area. Also include the names and addresses of any claimants of water rights or shellfish license areas or leases adjacent to the proposed license area. When a public hearing is scheduled the applicant must provide certification that a notice of the application and the time and place of the public hearing was sent to all identified parties.

Stephen Bates (Elihu Island Trust)

99 University Road
Canton, MA 02021

sbates@shieldpackaging.com
909-994-4707 (c)
781-821-0400 ext 15 (o)

3. Grow-out & Harvesting Methods

a) Describe the specific methods and activities that will be used to carry out the operations on the aquaculture site.

I will be bottom planting oysters from my bottom cage/floating cage site using my boat. I plan on hand harvesting oysters in the warmer months as well as using a bull rake. Eventually I will build a dredge and use that to harvest oysters in the cooler months. Oysters will be sorted on my boat, with market size oysters relayed to my licensed depuration grounds and the smaller oysters replanted on the bottom to grow more.

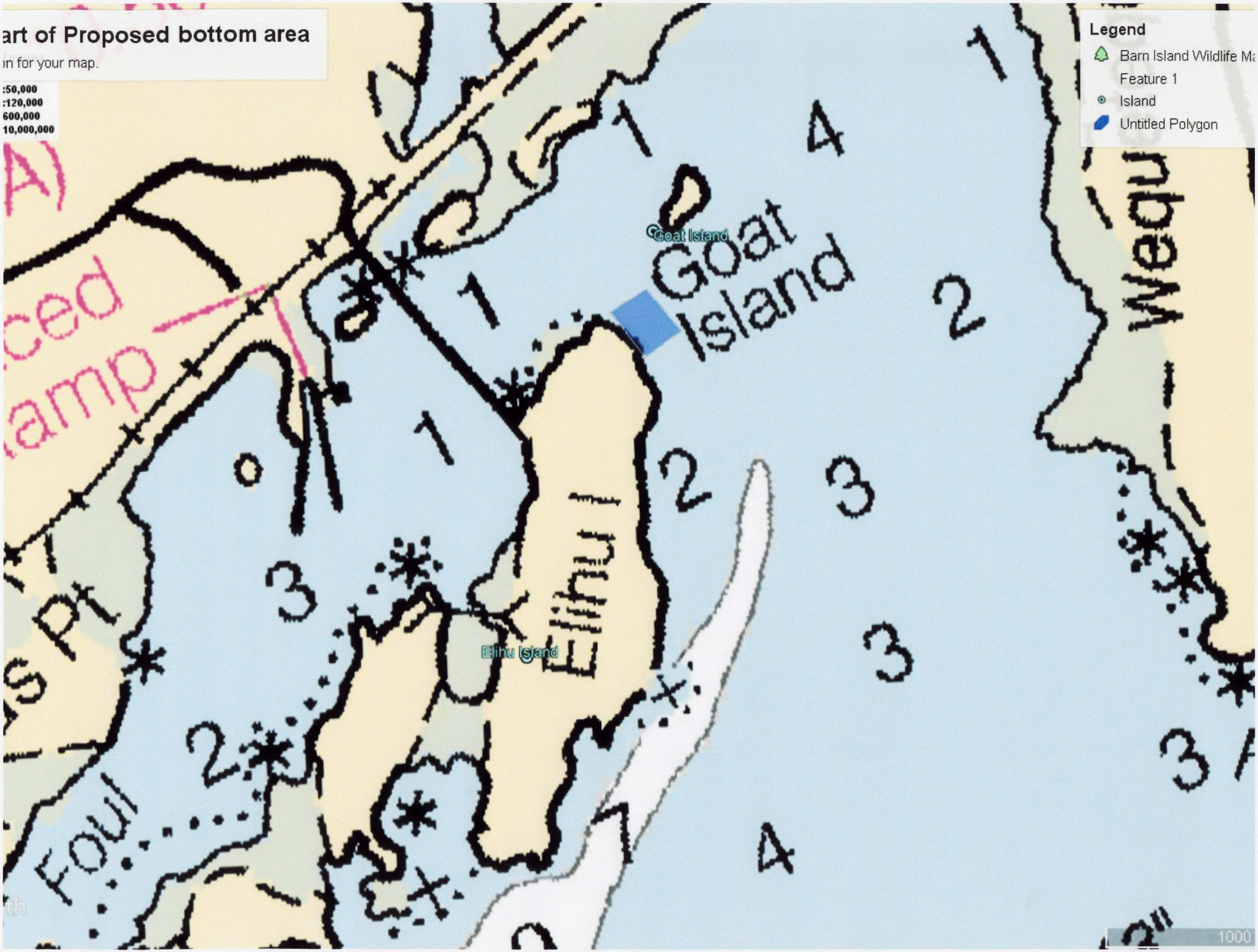
b) Describe in detail all the equipment to be used on the site. Attach any brochures/literature that describes the gear.

Traditional bull rake and some type of custom dredge that is yet to be built.

c) On a map of the site, show the gear layout and any changes that will occur over time.

_____For Shellfish Commission use only:
Copies of this application have been forwarded to:

☐Harbormaster; ☐Appropriate Harbor Management Commission;
☐Selectmen's Office; ☐Planning Department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600,000
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Feature 1
Island
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CT 3654 BK