



Oliver Stedman Government Center
4808 Tower Hill Road; Suite 116
Wakefield, RI 02879
401-783-3370

PUBLIC NOTICE

File Number: 2013-11-065

Date: December 4, 2013

This office has under consideration the application of:

Ian Campbell
1150 Mooresfield Road
Wakefield, RI 02879

for a State of Rhode Island Assent to construct and maintain: a three acre aquaculture site to grow oysters, littlenecks, and bay scallops in the area between Beef Island and High Point in Point Judith Pond located at:

41.39440° N; 71.51316° W
41.39440° N; 71.51372° W
41.39225° N; 71.51423° W
41.39211° N; 71.51369° W

Project Location:	Point Judith Pond
City/Town:	Narragansett
Plat/Lot:	N/A

Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before January 6, 2014.

Ian Campbell – Mooresfield Oyster Farm – Work Plan

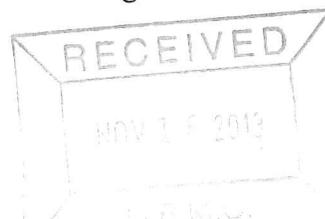
The proposed 3 acre aquaculture site is located south of Beef Island and north of High Point at the following coordinates:

- A.) N 41.39440°; W 071.51316°
- B.) N 41.39440°; W 071.51372°
- C.) N 41.39225°; W 071.51423°
- D.) N 41.39211°; W 071.51369°

This location will be used to primarily grow eastern oysters (*Crassostrea virginica*). The site will be marked with buoys at the boundary coordinates as required. This site most eastern edge will be at least 25 feet away from the western channel edge. The above coordinates I have supplied were taken with a hand held GPS and are a guideline. Although they are accurate they may show some discrepancies when directly applied to a paper map. Public use at this location is very low due to the dense brush growth leading to the water's edge where the clamming is poor and the shallow depth of water having no swimming or boating activity.

Spat (~8-10 mm) will be purchased from a certified source and transported to the proposed aquaculture site. In the first year, 100,000 oysters will be purchased and an additional 200,000 mollusk will be added annually. The spat will initially be cultured in polyethylene mesh bags that will be housed in tiered plastic-coated wire cages, roughly 2ft. by 3ft. by 4ft. in size. When the oysters reach approximately 20-40 mm they will be transferred to larger mesh bags that will be suspended just above the bottom in a traditional "cage and bag" system. The dimensions of the racks will be roughly 2ft. by 2ft. by 3ft. All culture equipment will be submerged throughout the year and therefore not visible from the surface. The oysters will be transferred to larger mesh bags as necessary, harvested at 12 – 24 months and sold in the local wholesale market.

My plan is to grow oysters, littleneck clams (*Mercenaria mercenaria*) and bay scallops (*Argopecten irradians*) at this site. Farming would begin with oysters only and expand to include the above-mentioned shellfish. Everything grown here will follow ISSC requirements. The shellfish will be grown with cage and bag culture, and bottom culture. These methods apply to the oysters, hard shell clams and scallops. The bags will be air dried and hand washed with a brush to remove the shellfish and any growth from the bags. The water at this site ranges from 2 to 8 feet and will have all buoys in CRMC requirement.



I will be working this farm after I have finished my daily fishing on a trap boat. My intent is to be a respectful and courteous neighbor. Access will be with my 18' work skiff tied up at Point Judith on a state slip.

Category B Requirements:

1.) Show a need for the proposed activity.

- As fuel costs continue to rise, the demand for locally sourced food will go up. An oyster farm will be a sustainable addition to the local food supply and benefit the water quality of Point Judith Pond.

2.) Demonstrate that all applicable local zoning ordinances, building codes, flood, hazards standards, and all safety codes and environmental requirements have or will be met. Local approvals are required for activities as specifically prescribed for non-tidal portions of a project in sections 300.2, 300.3, 300.6, 300.8, 300.9, 300.11, 300.13, 300.15, and 300.17. For requests on State land, the State Building Official, for the purposes of this section, is the Building Official.

- All Farm activities will be conducted in Rhode Island State waters; therefore the question does not apply.

3.) Describe the land area and coastal waters that are anticipated to be affected.

- All Farm activities will occur specifically in the waters of Point Judith Pond, no coastal land or water will be affected.

4.) Demonstrate that the oyster farm will not impact, erode or change the shoreline or coastal waters.

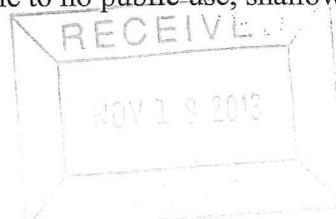
- There will be very little alteration at the site of the farms location as this form of aquaculture harvesting requires the natural movement of the surrounding waters over the oyster bags.

5.) Demonstrate that the oyster farm will not result in large impacts on the abundance and diversity of animal and plant life.

- No local plant or animal life will be adversely affected. The lines, cages and bags will provide a natural habitat for the surrounding wildlife. In addition, oysters are filter feeders and will assist in keeping the waters clean.

6.) Demonstrate that the farm will not unreasonably interfere with public use or access.

- This location in Point Judith Pond has little to no public use, shallow depth of water, with no swimming or boating activity.



7.) Demonstrate that the farm will not significantly impact the water turbidity, circulation and sedimentation.

- As oysters are a filter feeding animal and help keep the water clean, the Farm should have no impact on circulation, turbidity or sedimentation.

8.) Demonstrate that there will be little deterioration in the water quality around the farm as defined by the DEM.

- The Farms filter feeding oysters should work to improve the water quality of the region.

9.) Demonstrate that the farm will not impact an area of historic or archaeological significance.

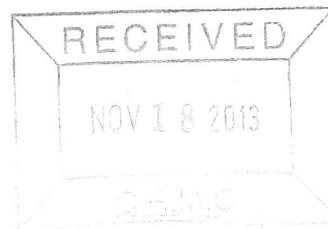
- To the best of my knowledge, the proposed Farm site holds no archaeological or historical significance or sites.

10.) Demonstrate that this farm will have little conflict with water-dependent users.

- The water is shallow in and around the site making recreational boating hazardous and commercial shell fishing is generally poor. Also, the Farm site is clear of the channel and well out of the way.

11.) Demonstrate that measures have been taken to minimize any adverse scenic impact.

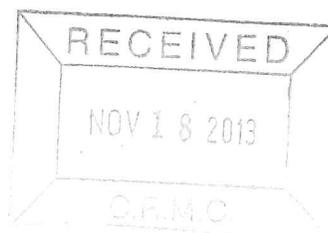
- The only visible float will be those which are required by the law.
- Corner markers will be visible.
- Buoys marking cages will be visible; all are identical to lobster buoys.



Tracking and Data Methods

The system I will implement for tracking seed oysters from the date of delivery to the date of harvest is as follows:

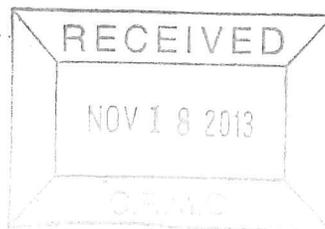
- Oysters coming in from a hatchery will be kept together in the same line of bags. The oysters will be bagged and then tagged with the hatchery name and a letter and number on each end of the line of cages.
- As new oysters come in, the letter and number will go up accordingly, e.g. A,B,C and 1,2,3 etc.
- Harvest will not take place until the oysters have been on the farm for the requisite time limit based upon the tagging data.

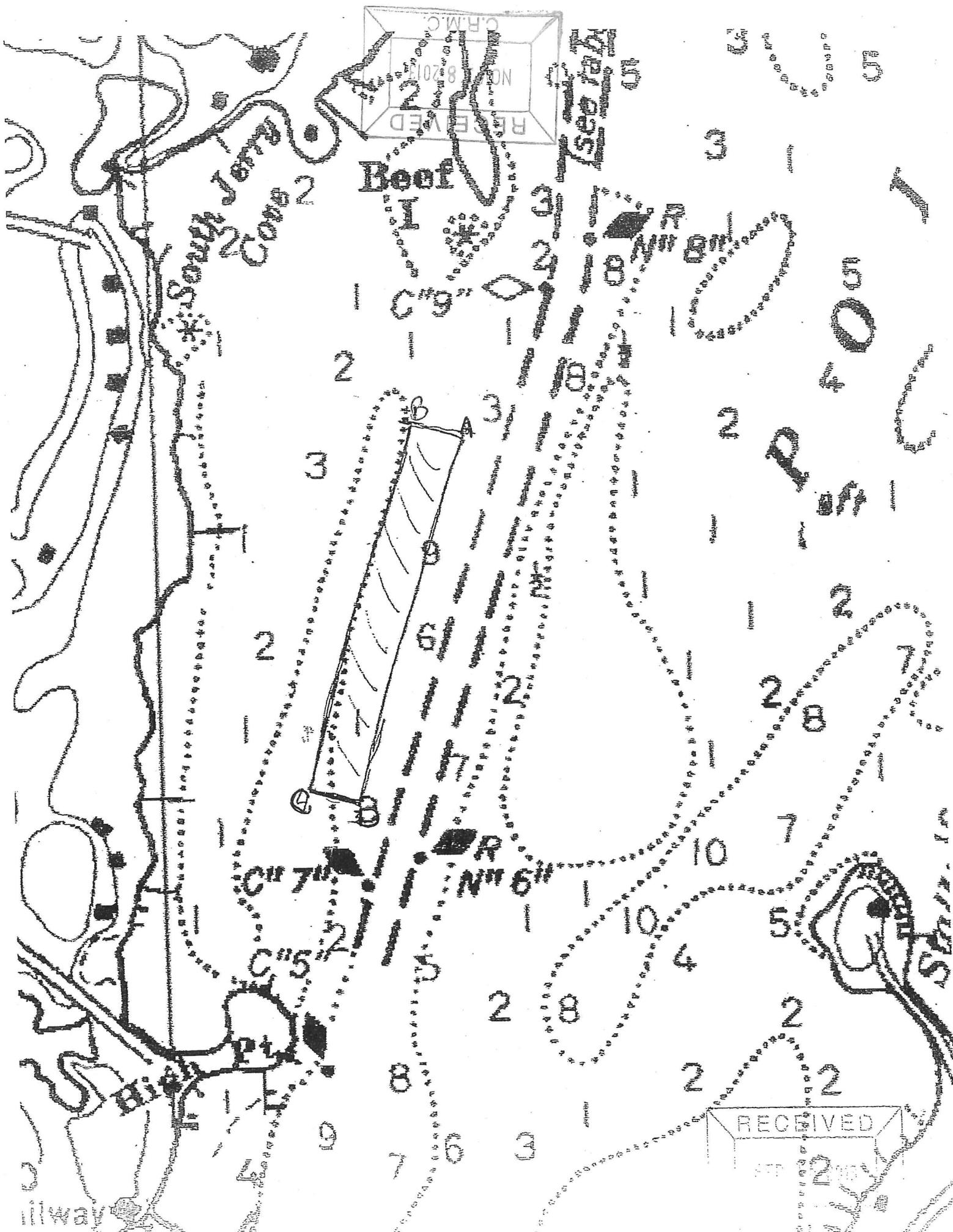


Mooresfield Oyster Farm

Ian Campbell

My proposed area for the oyster farm lies on the east side of the sand bar and west side of the channel as shown on the map; it is also centrally located between Beef Island and High Point. The reason for this is that there is good clamming around Beef Island and good fishing around High Point, as I'm aware of as I recreationally fish and quahog in these areas as well. The above-mentioned reasons are why I centrally located the oyster farm between these two points, as to not impact either of those activities for pedestrian use. There is some recreation on the sand bar which is still accessible through the north, south and west side of the sand bar. The oyster farm sits off the east side of the sand bar in deeper water which will not impact recreational activities.





100787000
 100787000
 Joins page 4

Bottom character:
 Blue boulders
 bk broken
 Cy clay
 Mice limestones
 AUTH authorized
 ED extreme doubtful
 23 Wreck, rock, obstruction, or other swept clear to the depth indicated
 (2) Rocks that cover and uncover, with heights in last above datum of soundings.

Color marker:
 Co coral
 G gravel
 Gu grass

Chart abbreviation:
 Chn channel
 PA position approximate
 Rep reported

Position doubtful:
 PD position doubtful
 Rep reported

Subm submerged:
 Sg soft
 Sh shells
 Ss sand
 St sticky

AUTHORITIES
 Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

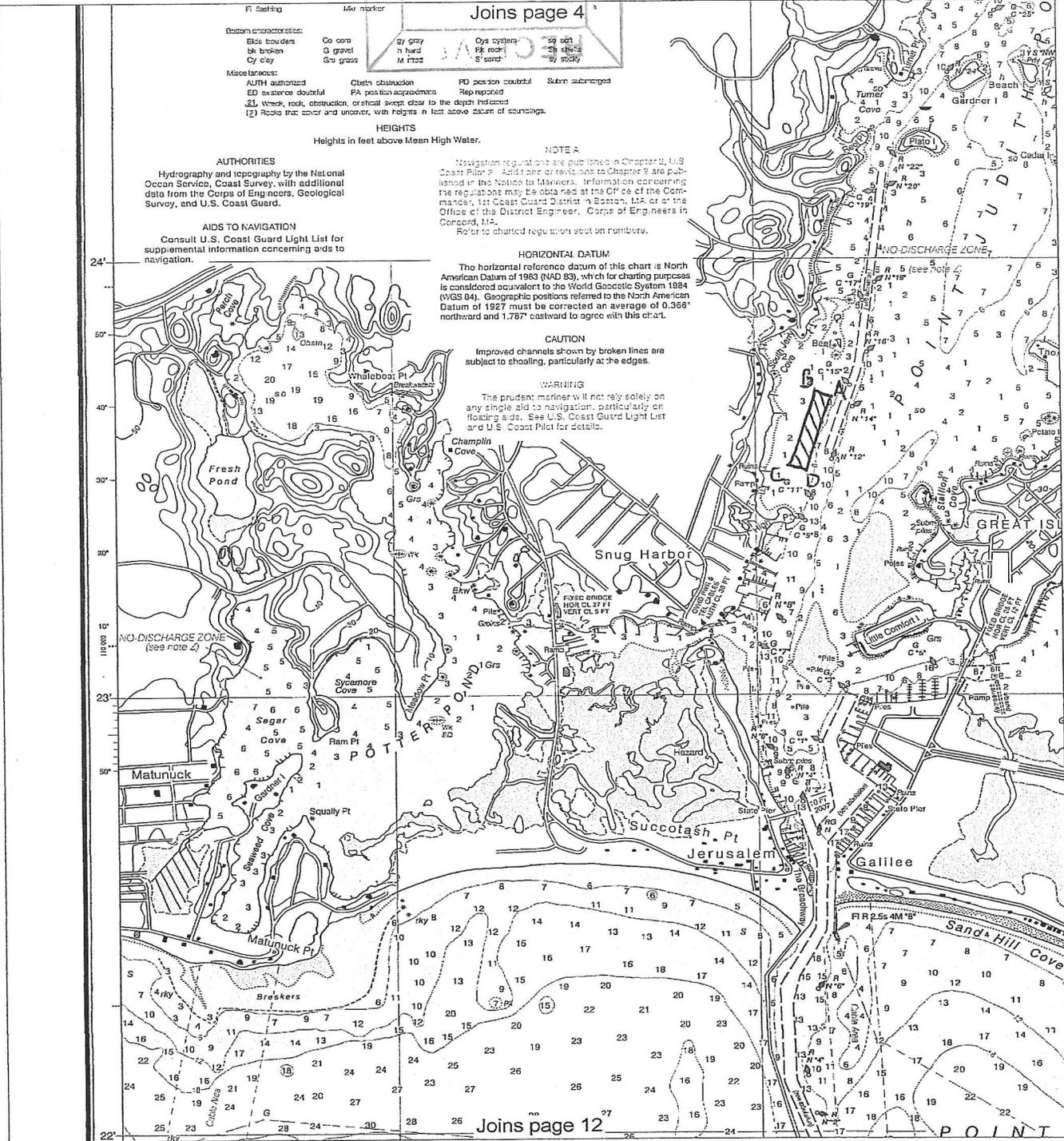
AIDS TO NAVIGATION
 Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

NOTE A
 Navigation regulations are published in Chapter 2, U.S. Coast Pilot 2. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA, or at the Office of the District Engineer, Corps of Engineers in Concord, MA.
 Refer to charted regulations for numbers.

HORIZONTAL DATUM
 The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.368' northward and 1.787' eastward to agree with this chart.

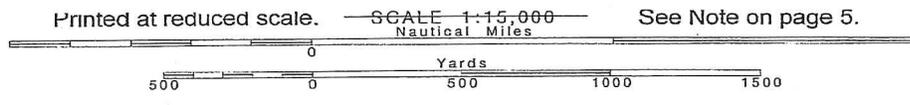
CAUTION
 Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

WARNING
 The prudent mariner will rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.



8

Note: Chart grid lines are aligned with true north.



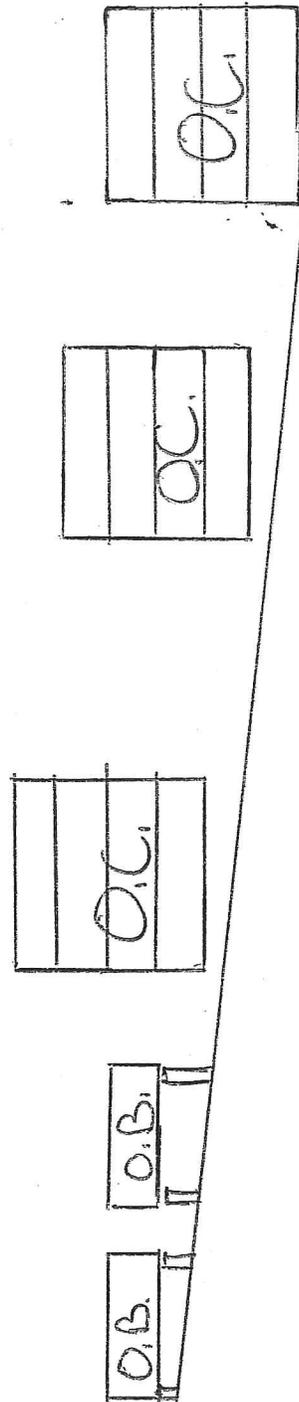
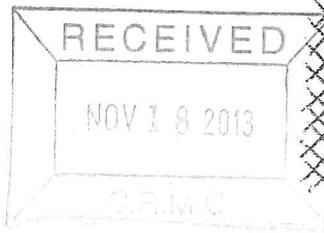
- A.) N 41.39440°; W 071.51316°
- B.) N 41.39440°; W 071.51372°
- C.) N 41.39225°; W 071.51423°
- D.) N 41.39211°; W 071.51369°

Proposed OYSTER Farm

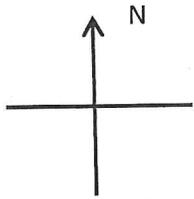
OYSTER farm

MHW

MLW

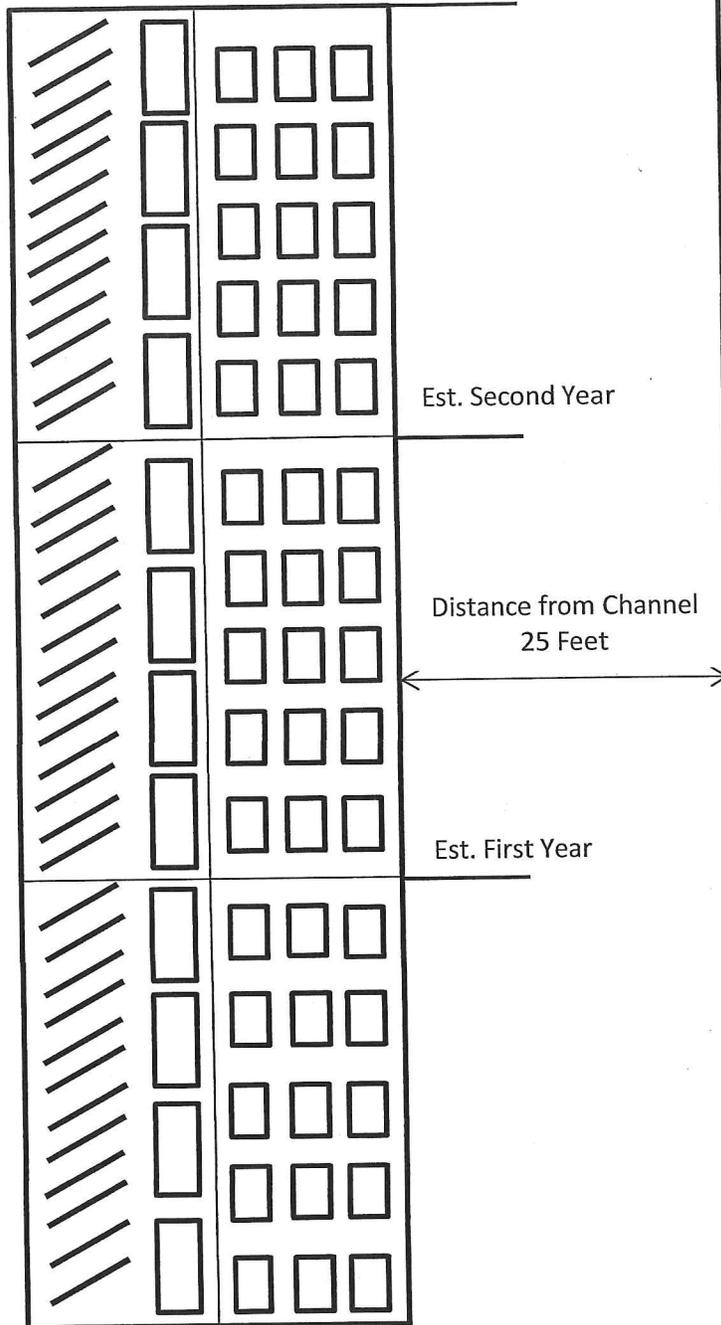
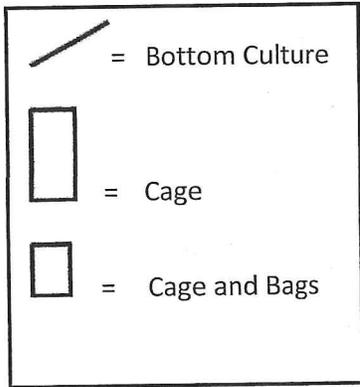


□ one square equals .5 FT O.B. OYSTER BAGS
 O.C. OYSTER CAGE. ~~XXXX~~ BOTTOM CULTURE

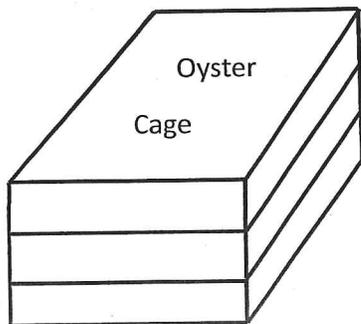


Beef Island

Est. Third Year

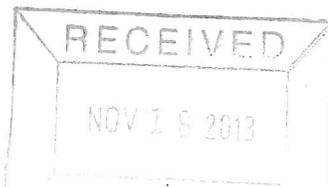


C
H
A
N
N
E
L



2 x 3 x 4
 Cost - \$150.00
 Seed - .2c a piece

Seed cost total - .02 x 100,000 = \$2000.00
 Cage - 15 x 150 = \$2250.00
 Bags - 150 x \$4.75 = \$715.00



High Point