



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

**PUBLIC NOTICE**

File Number: 2014-03-013

Date: May 2, 2014

This office has under consideration the application of:

Jesse Bazarnick  
105 Spofford Ave  
Warwick, RI 02888

for a State of Rhode Island Assent to construct and maintain: a two acre oyster farm using bottom cages. The location is just south of the Jamestown Bridge in water depths of 4-12 feet.

|                   |                               |
|-------------------|-------------------------------|
| Project Location: | Narragansett Bay              |
| City/Town:        | North Kingstown               |
| Plat/Lot:         |                               |
| Waterway:         | West Passage Narragansett Bay |

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 June 2, 2014.

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
**COASTAL RESOURCES MANAGEMENT COUNCIL**  
 4808 TOWER HILL ROAD; Suite 3, WAKEFIELD, RI 02879  
 (401) 783-3370

Application for State Assent to perform work regulated by the provisions of Chapter 279 of the Public Laws of 1971 Amended.

|   |                             |
|---|-----------------------------|
| File No.  | 2014-03-013                 |
| Location: Street<br>105 Spofford Ave  | City/Town<br>Warwick        |
| Applicants Name. Jesse Bazarnick  |                             |
| Mailing Address   | Res. Tel. #<br>401-780-0580 |
| City/Town 105 Spofford Ave State RI Zip Code 02888  | Bus. Tel. #<br>401-369-1933 |
| Location of Proposed Aquaculture Project:<br>W. end of Jamestown Bridge, to the south of the old bridge |                             |
| Name of Waterway  | Fee/Costs \$                |
| Est. Project Cost \$ 8,500  | 200                         |

Have you or any previous owner filed an application for and/or received an assent for any activity on this site? (If so please provide the file and/or assent numbers).

IS THIS APPLICATION BEING SUBMITTED IN RESPONSE TO A COASTAL VIOLATION?

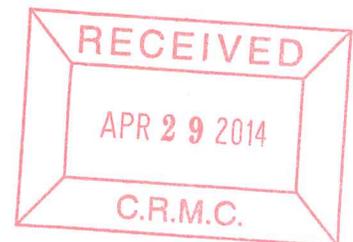
YES \_\_\_\_\_ NO X

IF YES, YOU MUST INDICATE NOV OR C&D NUMBER \_\_\_\_\_

**NOTE:** The applicant acknowledges by evidence of their signature that they have reviewed the Rhode Island Coastal Resources Management Program, and have, where possible, adhered to the policies and standards of the program. Where variances or special exceptions are requested by the applicant, the applicant will be prepared to meet and present testimony on the criteria and burdens of proof for each of these relief provisions. The applicant also acknowledges by evidence of their signature that to the best of their knowledge the information contained in the application is true and valid. If the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then the permit granted under this application may be found to be null and void. Applicant requires that as a condition to the granting of this assent, members of the CRMC or its staff shall have access to the applicants property to make on-site inspections to insure compliance with the assent. This application is made under oath and subject to the penalties of perjury.

Date: 4/14/14 Owner's Signature Jesse Bazarnick

Appendix C  
Rev. 05/05



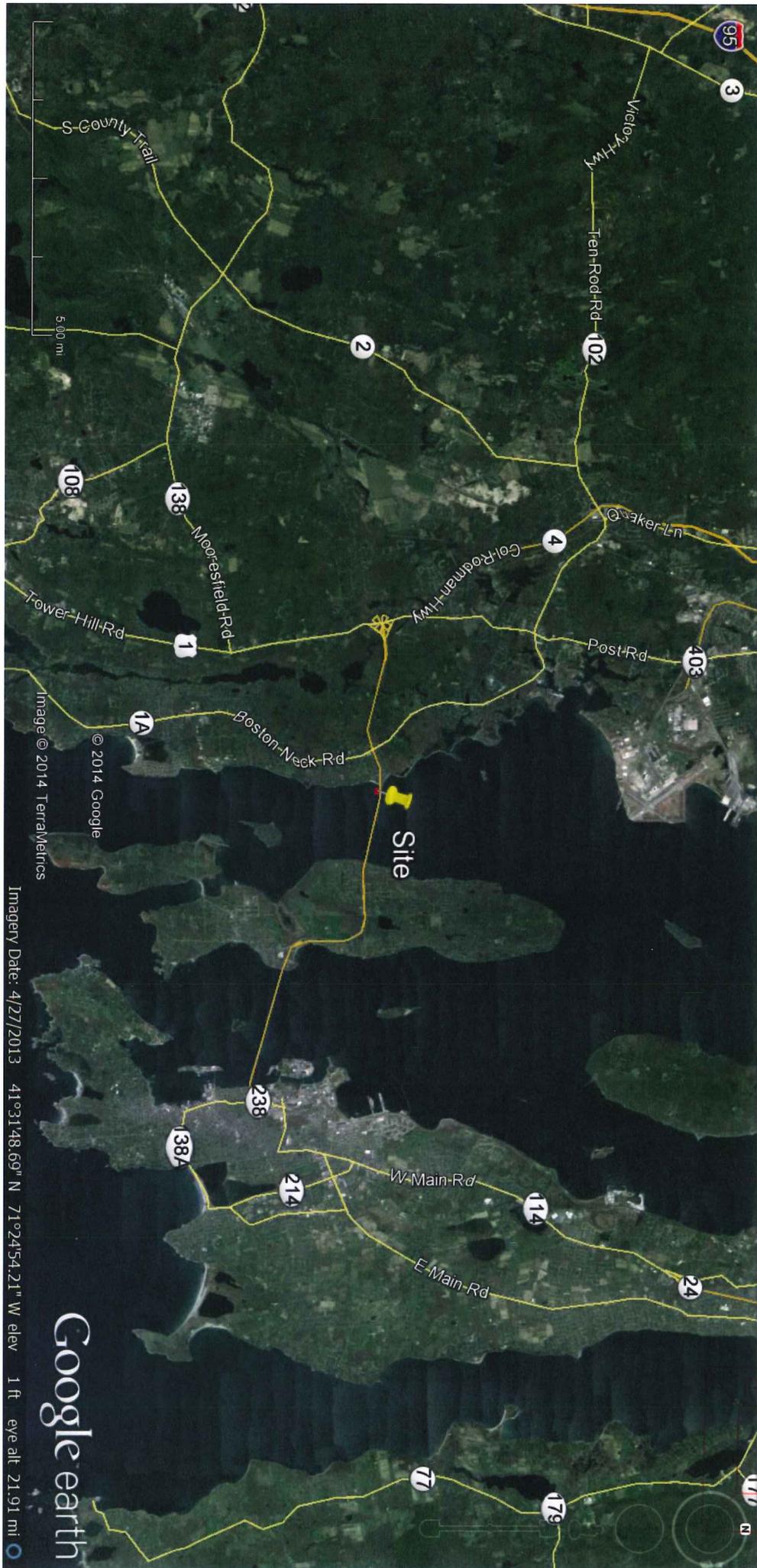


Image © 2014 Google  
© 2014 TerraMetrics

Imagery Date: 4/27/2013 41°31'48.69" N 71°24'54.21" W elev 1 ft eye alt 21.91 mi

Google earth

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APR 29 2014  
C.R.M.C.

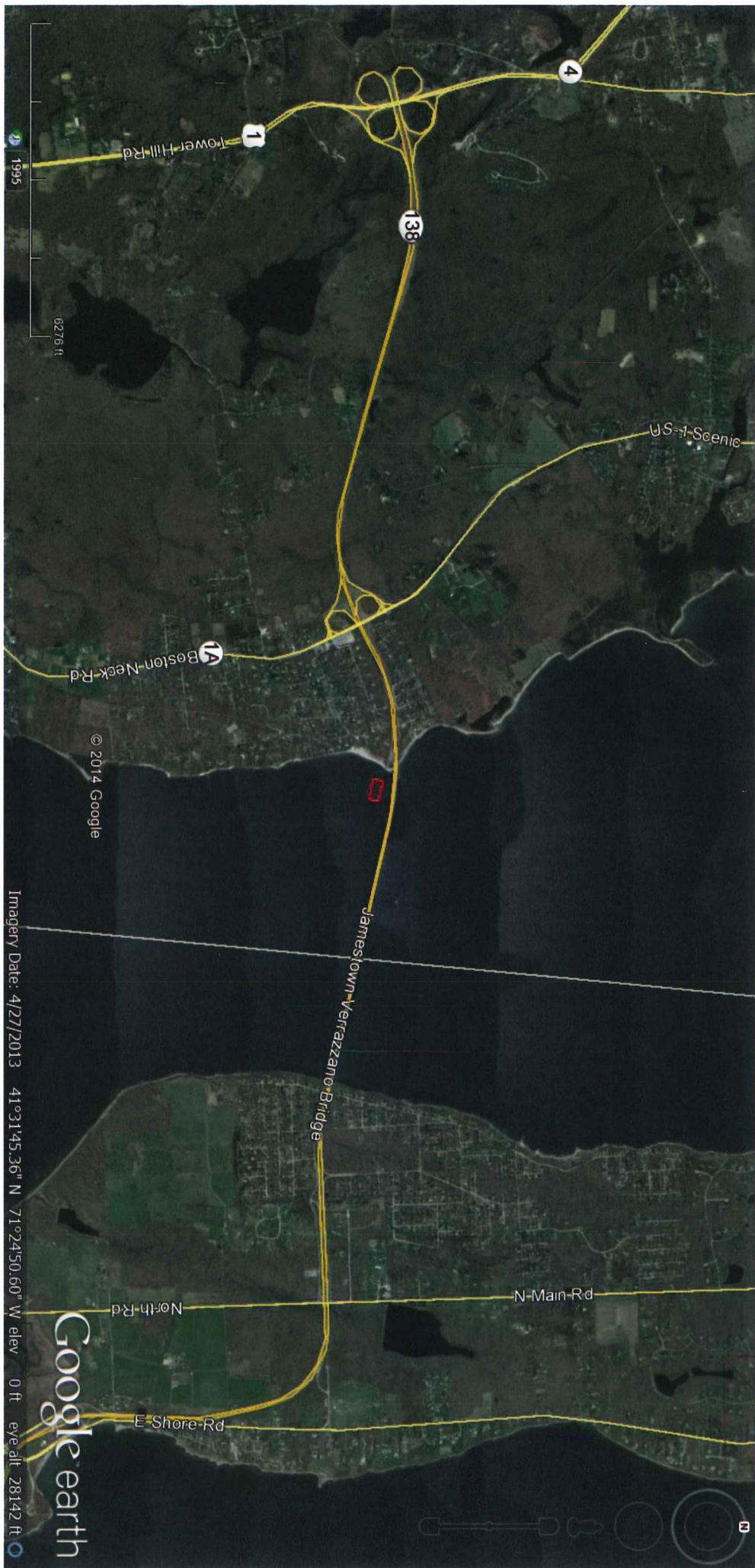
Site plan prepared by Jesse Bazarnick on 6/4/2013. Closest measurement to shoreline is 240' from the NW corner to the old bridge abutment. Bottom bags are shown arranged in rows for effect. The only other equipment needed on site are 4 marker buoys.



N True North



100'



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APR 29 2014  
C.R.M.C.

Imagery Date: 4/27/2013 41°31'45.36" N 71°24'50.60" W elev 0 ft eye alt 28142 ft

Google earth

## Operations Plan

The Farm will be built very simply with durability in mind. Corners of the lease will be marked by white buoys per CRMC requirements. Bottom cages evenly spaced 20' corner to corner will each contain 6 bags. These are 18" tall, and 3'x4', custom built for the rocky bottom and arranged in lines. A pontoon barge with a pot hauler will service these lines, sorting taking place on deck. Every step to preserve the nearby beach and natural area will be taken. Litter or site contamination will not be tolerated in any way.

They will be retrieved using a pot hauler, and sorted by size. Smaller oysters will be re-bagged and re-deployed while larger ones will be bagged for sale.

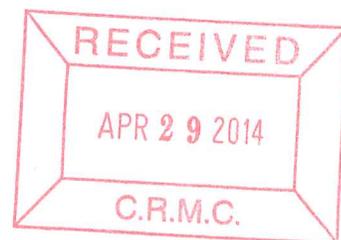
Seed will be procured locally; there is no shortage of local oyster seed vendors. Use of triploids is viewed by the lessee with suspicion, and will be avoided. Seed will probably be 25mm, to avoid unnecessary operational complications at the incubation phase (i.e. upweller operation). When the business reaches maturity, an off-site upweller may be used.

Fouled gear will be cleaned using seawater and brushes. This can be done on or off site.

Per Dr. Michael Rice, the shellfish aquaculture extension agent for this region, 2 acres can be managed by one person working full-time or two working part-time. Since there is a boat involved, currents, and water deep enough to create an emergency, a staff of two is planned. Hours should be short. In addition, winters will probably not be worked, due to the limited need for labor and limited growth of the crop.

Regardless, as oysters grow, they are constantly sorted and moved down the line, bagged by increasing size or sold. Each bag will have a tag, to facilitate record keeping, so the lessee will know the size class of each bag and when it was touched last. Under no circumstances can seed from different sources mingle, and this system will allow for immediate location of every oyster originating from any purchase made. Additionally, the last time each cage was handled, size profile, and growth rates will be available, to schedule sorts and predict sales activities. There will be an 18 month to 2 year period (roughly) between introducing seed into the farm and harvest.

This operation is meant to be low impact, using shallow water of little use to anglers. The rocky bottom is very difficult to walk on, and the tidal currents and proximity to the demolished bridge make angling, swimming, diving, and wading hazardous indeed. In fact, the maximum depth of 12' is not indicative of the site; most of the site ranges between 4 and 8 feet. The depth drops off swiftly close to the channel, making placement of cages there inadvisable.



## Tracking Plan

Jesse Bazarnick

A predetermined amount of seed will be placed at one end of each line, and will be sorted into additional pieces of bottom gear on the same line as the crop grows. Only one batch of seed will be introduced to each line.

As seed purchases are made, a spreadsheet will be used to record the date and source of each purchase, and will in fact be used to track the cohort as they progress down their line. An individual with a copy of the spreadsheet will be able to move around the lease, and based on line number and position, the exact purchase source and date can be pinpointed. This will be updated weekly based on the week's work, and consulted on a daily basis to determine the work schedule.



## Category B Requirements

**1. Demonstrate the need for the proposed activity or alteration;**

- Oyster production and sales support both employment due to the labor-intensive nature of the business, and out-of-state revenues entering Rhode Island. Support of this business will help with multiple economic issues afflicting the State today.

**2. Demonstrate that all applicable local zoning ordinances, building codes, flood hazard standards, and all safety codes, fire codes, and environmental requirements have or will be met; local approvals are required for activities as specifically prescribed for nontidal 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 projects on state land, the state building official, for the purposes of this section, is the building official;**

- Does Not Apply

**3. Describe the boundaries of the coastal waters and land area that are anticipated to be affected;**

- The area in question is 259' offshore of the bridge head of the Old Jamestown Bridge at Plum Point. The exact location is described by the following coordinates: 41°31'46.14"N, 71°24'51.84"W. 41°31'45.24"N, 71°24'46.35"W. 41°31'43.26"N, 71°24'46.90"W. 41°31'44.05"N, 71°24'52.50"W. Depth is mostly 7-8', ranging from 5' to 10' deep.

**4. Demonstrate that the alteration or activity will not result in significant impacts on erosion and/or deposition processes along the shore and in tidal waters;**

- Activities planned are very mild in nature, and involve use of bottom bags within cages. A small barge with a hauler will suffice to raise the gear and re-deploy. None of this should have an adverse effect on the rocky bottom.

**5. Demonstrate that the alteration or activity will not result in significant impacts on the abundance and diversity of plant and animal life;**

- The act of cultivating shellfish serves to clarify water, and will have no adverse effect on local populations. Farming gear (cages) may serve as habitat and cover for some sea life, indicating a possible positive impact on wild biomass and local biodiversity.

**6. Demonstrate that the alteration will not unreasonably interfere with, impair, or significantly impact existing public access to, or use of, tidal waters and/or the shore;**

- The adjacent moorings will be unaffected, as will access to the shore and adjacent waters. Recreational fishers will note the lease ends before the deep water of the channel begins, and occupies an area more dangerous to navigate (shallow, fast currents, rocky bottom) for V-hull boats. Barges should have no issues navigating the site. The site was chosen to avoid user conflicts.

**7. Demonstrate that the alteration will not result in significant impacts to water circulation, flushing, turbidity, and sedimentation;**

- The low profile of the gear and non-intensive farm operation will not have an impact on water quality. In fact, the filtration capabilities of a farm full of oysters is truly impressive.

**8. Demonstrate that there will be no significant deterioration in the quality of the water in the immediate vicinity as defined by DEM;**

- Each adult oyster can filter 2L of water or more per hour. Oysters in general have a net positive impact on water quality.

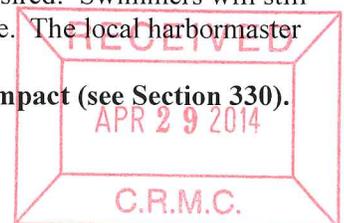
**9. Demonstrate that the alteration or activity will not result in significant impacts to areas of historic and archaeological significance;**

- There is no known historical significance to this site.

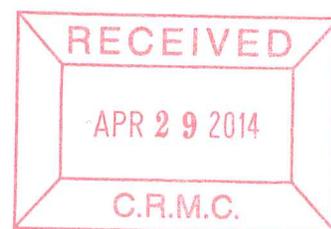
**10. Demonstrate that the alteration or activity will not result in significant conflicts with water-dependent uses and activities such as recreational boating, fishing, swimming, navigation, and commerce, and;**

- This out-of-the-way site adjacent to a ruined bridge in shallow water with a rocky bottom will not interfere with boaters or anglers. Anglers will be mainly interested in accessing the deeper waters outside the lease to the East, and can still easily work the lease itself in the shallow water if desired. Swimmers will still be able to use the area, as the equipment on the bottom is no taller than 18" by statute. The local harbor master has indicated the operation will be no barrier to navigation.

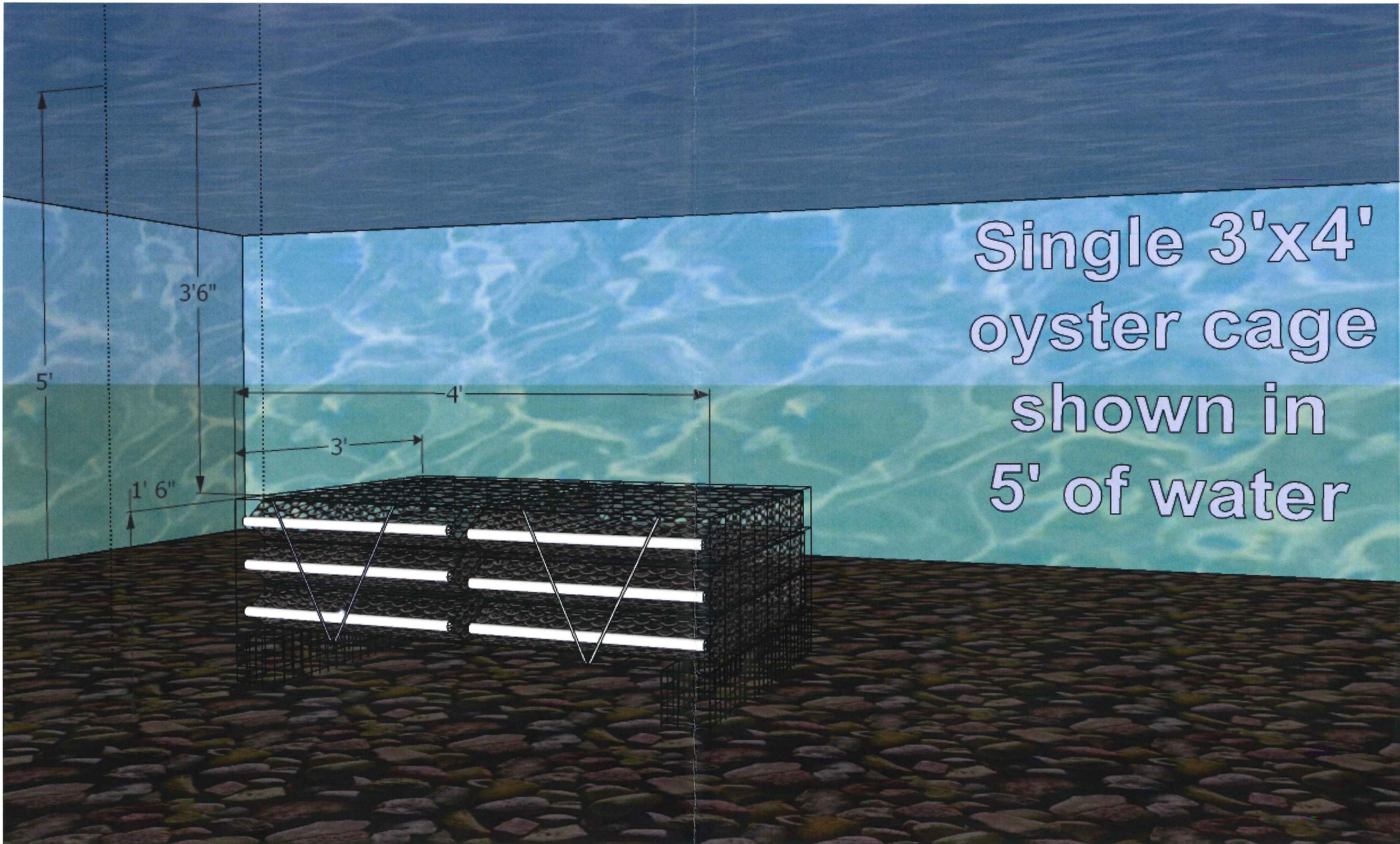
**11. Demonstrate that measures have been taken to minimize any adverse scenic impact (see Section 330).**



- The only impacts to the scenery are the 4 white buoys mentioned above. To the south, several moorings dwarf these buoys.



Single 3'x4'  
oyster cage  
shown in  
5' of water

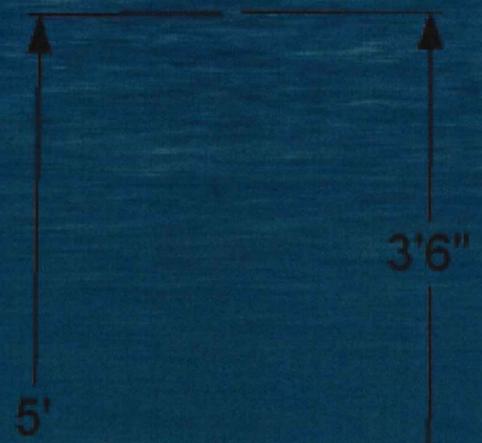
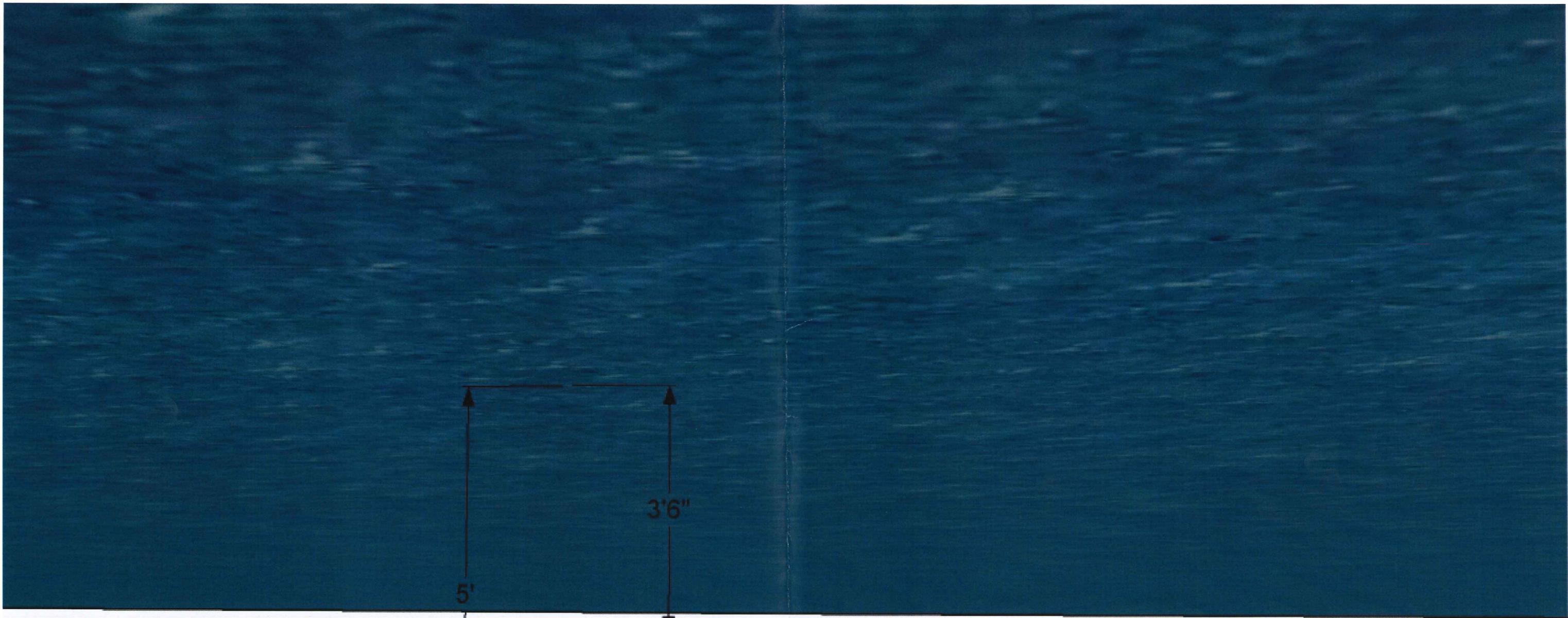


416'

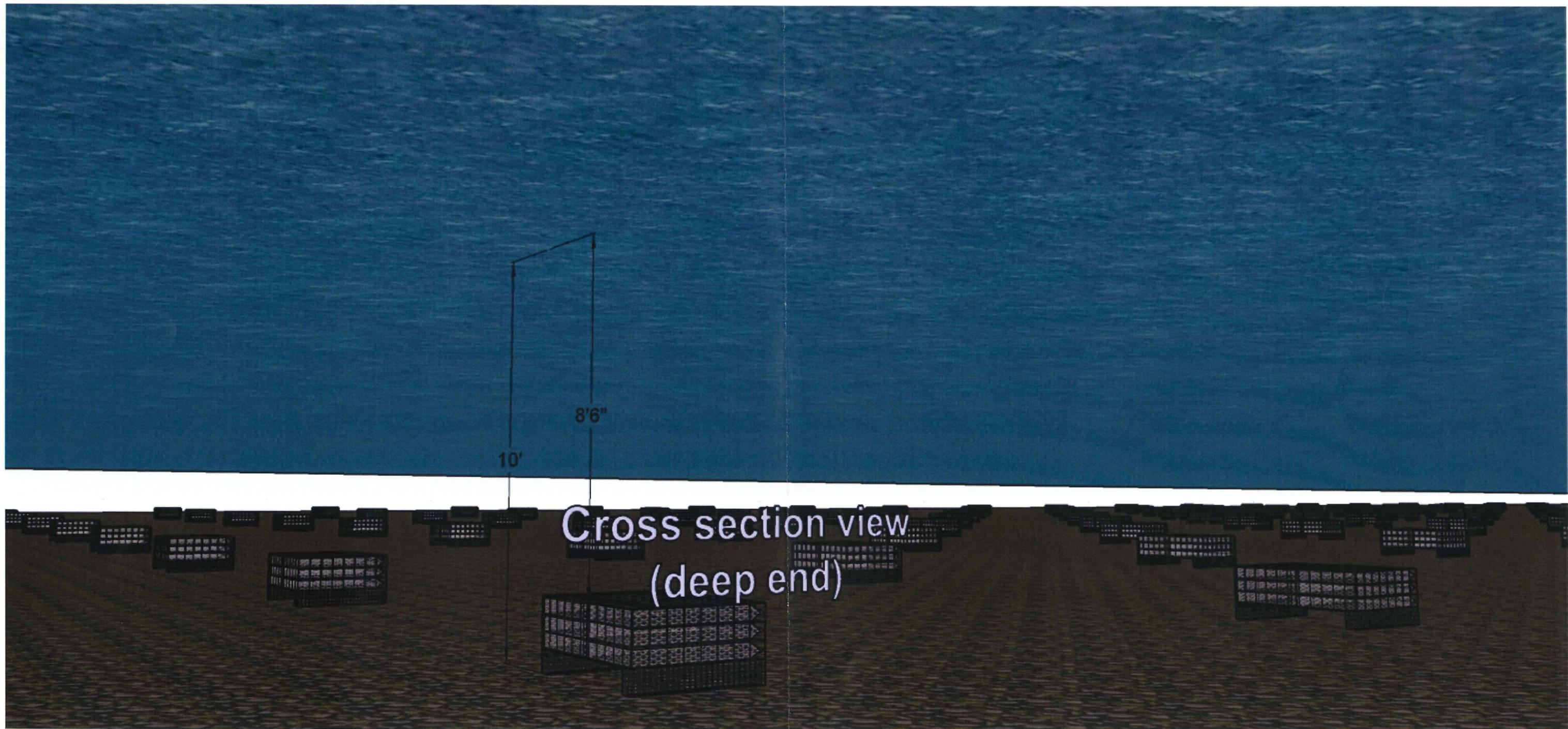
208'

Cages are shown spaced 20' apart in rows of 9, each containing 6 bags for a total of 1026 bags planned for this site. The depth ranges between 5' and 10'.

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Cross Section  
(shallow end)



Cross section view  
(deep end)

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