Pre-Application Screening Form

AGENCY USE ONLY

Date of Receipt: _____
DA/BA File: _____
DEEP File: _____
USACE App No. NAE-_____

Pre-screening proposed aquaculture activities allows the agencies to quickly determine if the location and activity place the project within the guidelines for the general aquaculture permitting process, and State of Connecticut exemption, or if the project will require a more extensive application and review process. This screening tool will result in acknowledgement and written response to the producer, usually within 10 days, that identifies the necessary application(s) to complete and an expected timeframe from application submittal to final project approval. The pre-application screening process is meant to provide the prospective applicant with better information and the flexibility to adapt project plans without first completing an extensive application.

This form must be submitted to initiate the application process for aquaculture and related activities in the State of Connecticut. **Submit completed form by email: David.Carey@ct.gov OR fax (203) 783-9976 OR mail to: Connecticut Department of Agriculture, Bureau of Aquaculture, P.O. Box 97, Milford, CT 06460.**

PART I: APPLICANT INFORMATION

Business or Organization Name: Thimble Island Oyster Co.

Contact Person: Brendan Smith Title: _____

Mailing Address: 43 East Pearl Street

City: New Haven State: CT Zip Code: 06513

Business Phone: 917-587-7798 Ext.: _____ Fax: _____

Email*: bren@greenwave.org

*By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject application. Please remember to check your security settings to be sure you can receive e-mails from agency addresses. Also, please notify the agency if your e-mail address changes.

PART II: SITE INFORMATION

Street address (if applicable): _____

Name of water body (if applicable): Fishers Island Sound

City: Stonington State: CT Zip Code: 06378

Will the project be located within a designated shellfish lease or franchise? Yes _____ No X

If yes, specify the type of lease: State_____Town_____

Lease or Lot Number: _____

Are you the leaseholder or owner? Yes _____ No X

If not, you must have a letter of permission from leaseholder or owner to proceed with the permitting process.

- A 2016-SW#1 License from the Department of Agriculture will be obtained for the 12.4 acre State lease area within State owned L-553. This lease area is to be called "2016-SW#2" (see Figure 1).

Will the project be located in a marina or attached to a private docking facility? Yes _____ No X

Are you the owner of the facility? Yes _____ No X

If not, you must have a letter of permission from the owner of the facility to proceed with the permitting process.

Is there submerged aquatic vegetation (i.e. eelgrass) within the proposed site? Yes _____ No X Unsure _____

If yes, please be aware that in most instances gear cannot be placed within submerged vegetation. Please site your gear accordingly, and on your Project Map (see section V below) show the location of the vegetation relative to the gear

Is there other commercial or recreational activity within the proposed site? Yes _____ No _____Unsure X

If yes, please describe the activities and how the project will not interfere with these uses: _____

If land-based facility is used, will water be diverted to or discharged from the site? Yes _____ No X

Diversion volume (gallons per day): _____ Discharge volume (gallons per day): _____

PART III: PROJECT INFORMATION

Proposed Start Date: 10/1/16 Proposed End date (if applicable): _____

Commercial: X Research: _____ Educational: _____ Habitat Restoration: _____ Stock Enhancement: _____

Species: (list): *Saccharina latissima* (Sugar Kelp)

Source of aquatic organisms: (list business, contact person and phone number): kelp seed grown in house by Thimble Island Oyster Co. or from Charles Yarish, UConn, Stamford

PART IV: PROJECT DESCRIPTION

The project is a seaweed aquaculture farm that will grow native kelp species at one location in Fishers Island Sound (see Figure 1. The site will be 500 feet by 500 feet and contain 9 long lines that are 400 feet long. The long lines will be set from east to west. The long lines will be anchored at each end, as well as at a middle point, with 250 pound mushroom anchors. The mushroom anchors will be attached to a surface float using 3/8" chain that is 1.5 times the water depth (~20' water depth = 30' chain). Between the 200 foot long lines sections there will be 3 12" diameter black buoys spaced evenly to support the long lines at a depth of approximately 3 feet. Safe boating markers that are 12" diameter with 36" exposure and reading "Danger Surface Gear" will be placed at each corner of the 500ft by 500ft gear area. Safe boating markers will also be placed along the sides of the gear half way between the corner markers (250ft from the corner markers) resulting in a total of 8 safe boating markers around the perimeter of the gear area. The long lines will be

installed in the fall after October 1st. The hatchery raised Sugar Kelp seed will be out planted to the long lines after October 1st. The kelp will be by harvested by June 30th. Once the kelp is harvested the long lines will be removed leaving only the vertical mooring lines.

Gear type: suspended long lines

Total gear units: 9 long lines

Gear configuration: See Figures 2 and 3

PART V: PROJECT MAP

This form is not complete unless a project map is included. The map can be hand drawn or you may use a free online mapping tool at: http://clear2.uconn.edu/shellfish/. The map is required to have a NOAA navigational chart with depth soundings on it as the base map. The following items (if applicable) should be included on the map:

- Draw lease perimeter
- Indicate lease area latitude/longitude coordinates (decimal degrees)
- Indicate lease area size (acres)
- Identify datum (If you obtain your latitude/longitude information from your GPS, the default is usually WGS84, unless you have changed this manually within the setup function. If you obtain your coordinates from a mapping website or other user, please ask for the datum the data was collected in).
- Draw proposed gear perimeter
- Indicate gear area latitude/longitude coordinates (decimal degrees)
- Indicate gear area size (acres)
- Mark closest location and distance to federal channel(s), if within 1000 feet of the gear perimeter
- Mark location and distance to closest landmark, if within 1000 feet of the proposed gear perimeter
- Mark location and distance to any submerged aquatic vegetation
- Directional arrow for true North
- Provide an approximate scale on your map (e.g. 1 inch = 0.25 miles)

PART VI: AGENCY COMMENTS (TO BE COMPLETED BY THE REGULATORY AGENCIES)

DA/BA
Name of Agency Reviewer: _____ Date: _____
Comments: _____

DEEP OLISP
Name of Agency Reviewer: _____ Date: _____
Comments: _____

DEEP Fisheries
Name of Agency Reviewer: _____ Date: _____
Comments: _____

DEEP Boating
Name of i Agency Reviewer: _____ Date: _____
Comments: _____

USACE
Name of Agency Reviewer: _____ Date: _____
Comments: _____

PART VII: FINAL RECOMMENDATIONS:

DA/BA will complete this section and return this form along with applications (if applicable) to the applicant with copies to the Connecticut Department of Energy & Environmental Protection OLISP, Fisheries and Boating & Safety and the U.S. Army Corps of Engineers.

_____ Pre-screening form is incomplete.

Comments: _____

OR

_____ Pre-screening is complete. The following applications are attached and required to be completed in order for the regulatory agencies to continue the permitting process:

_____ Importation License
_____ Programmatic General Permit for Aquaculture (PGP)
_____ Structures, Dredging, Fill & Tidal Wetlands Permit (SDF&TW)
_____ Certificate of Permission (COP)
_____ Individual Permit (IP)
_____ Regulatory Marker Permit
_____ Water Diversion Permit
_____ Water Discharge Permit
_____ List Other: (e.g. HACCP, Shipper, Inspection, Transplant etc.)

Additional comments: _____

_____ The following authorizations/exemptions were issued in response to this coordination.

_____ Section 10 Authorization under the New England General Permit by the U.S. Army Corps of Engineers
_____ CT Aquaculture Exemption per Sec. 22-11h(c) by CT DEEP Office of Long Island Sound Programs
_____ Waiver from Regulatory Marker Permit from CT DEEP Boating Division

AQUACULTURE PRE-APPLICATION CHECKLIST

2014

(This checklist should accompany the pre-application screening form)

☐ Fill out Part I – V of the CT Aquaculture Pre-application Screening Form. Use this checklist to ensure that your project plans are complete, and then submit this checklist and all figures identified below with the Pre-application Screening Form

PROJECT FIGURES

☐ If the proposed project involves multiple locations (i.e. different towns and/or lease sites), the applicant must photocopy (or print multiple copies of) this section and complete for each location.

EACH SITE must include the following figures:

☐ 1. Site Location Map
☐ 2. Project Overview (Birds-eye View)
☐ 3. Gear Description (Cross-sectional View)
☐ Each figure must include the following legend:

Business Name / Organization
Town / State
Waterbody

SITE LOCATION MAP

☐ Please use 8 ½" x 11" paper and allow for a ¾" margin at the top
☐ Label page "FIGURE 1" and include the following information, as discussed below, on a **NOAA navigational chart** (one that shows the bathymetry/bottom profile):
☐ Draw **lease perimeter** (if applicable) with latitude/longitude coordinates in Decimal Degrees and identify lease area size in (acres) or square feet
☐ Identify horizontal/spatial **reference datum** (if using commercial GPS usually WGS84, but submittal in NAD83 is preferred
☐ Proposed **gear perimeter** with latitude/longitude coordinates in Decimal Degrees and gear area size in acres or square feet
☐ Mark location and distance **to federal channel**(s), if within 1000 feet of the proposed gear perimeter
☐ Mark location and distance to **closest landmark**, if within 1000 feet of the proposed gear perimeter
☐ Directional arrow for true North

PROJECT OVERVIEW (BIRDS-EYE VIEW)

☐ Please use 8 ½" x 11" paper and allow for a ¾" margin at the top
☐ Label page "FIGURE 2" and include the following information, as discussed below, on a blank piece of paper:
☐ Draw and label the perimeter of the **gear area**
☐ Draw and label the **individual gear types** within the perimeter of the gear area & specify number of each
☐ Mark distance between gear types, as well as individual trawl lines, long lines or other system for attachment
☐ Mark location and distance from gear perimeter to the following (if applicable):
- ☐ Mooring field
- ☐ Submerged aquatic vegetation (e.g. eelgrass, widgeon grass)
- ☐ Tidal wetlands
- ☐ In-water structures (e.g. boat ramp, marina, fixed pier)
- ☐ Intertidal flat
- ☐ Sandbar/shoal

GEAR DESCRIPTION (CROSS-SECTIONAL VIEW)

☐ Please use 8 ½" x 11" paper and allow for a ¾" margin at the top
☐ Label this page "FIGURE 3" and include the following information, as discussed below, on a blank piece of paper:
☐ Draw and label the **dimensions** of the individual gear unit
☐ Indicate distance between individual gear units, and if applicable, types
☐ Depict and identify elevation of Mean High Water and Mean Lower Low Water and label gear in the water column in relation to these elevations
☐ If hanging gear, indicate the distance from the bottom of the gear to the sea floor
☐ Draw and label the dimensions of the anchoring configuration
☐ Draw and label the dimensions of the marker buoy configuration
☐ If the proposed project includes use of multiple gear types, a figure should be created for each gear type. Use the numbering convention, "FIGURE 3(a), 3(b), 3(c)…"

AQUACULTURE PRE-APPLICATION CHECKLIST

(This checklist should accompany the pre-application screening form)

2014

OPERATIONAL INFORMATION

1) Will the proposed project include importation of larvae, seed, and/or broodstock?

☐ YES ☒ NO

Company name of supplier of eggs/larvae/seed:
Contact person:
Location of supplier (Town, State, Zip):

2) Do you hold the rights to the lease(s) that encompass the proposed project site?

☐ YES ☒ NO

Do you have a letter of permission from the leaseholder?

☐ YES ☒ NO A 2016-SW#1 License from the Department of Agriculture will be obtained for the 12.4 acre State lease area within State owned L-553.

►*If no, stop and contact DA/BA at (203) 874-0696*
►*If yes, please submit a letter of permission with this package*

3) Will the proposed project be located in a marina or attached to a private docking facility? ☐ YES ☒ NO

►*If yes, please submit letter of permission with this application along with documentation that structure is permitted, or is in the process of being permitted, in accordance with state and federal requirements (e.g., Certificate of Permission, Structures, Dredging and Fill &Tidal Wetlands Permit, Section 10 Rivers & Harbors Act) or otherwise provide documentation of approximate date of installation (e.g., land records, aerial photos).*

4) Is this a hatchery or land-based operation with an intake or discharge pipe/hose? ☐ YES ☒ NO

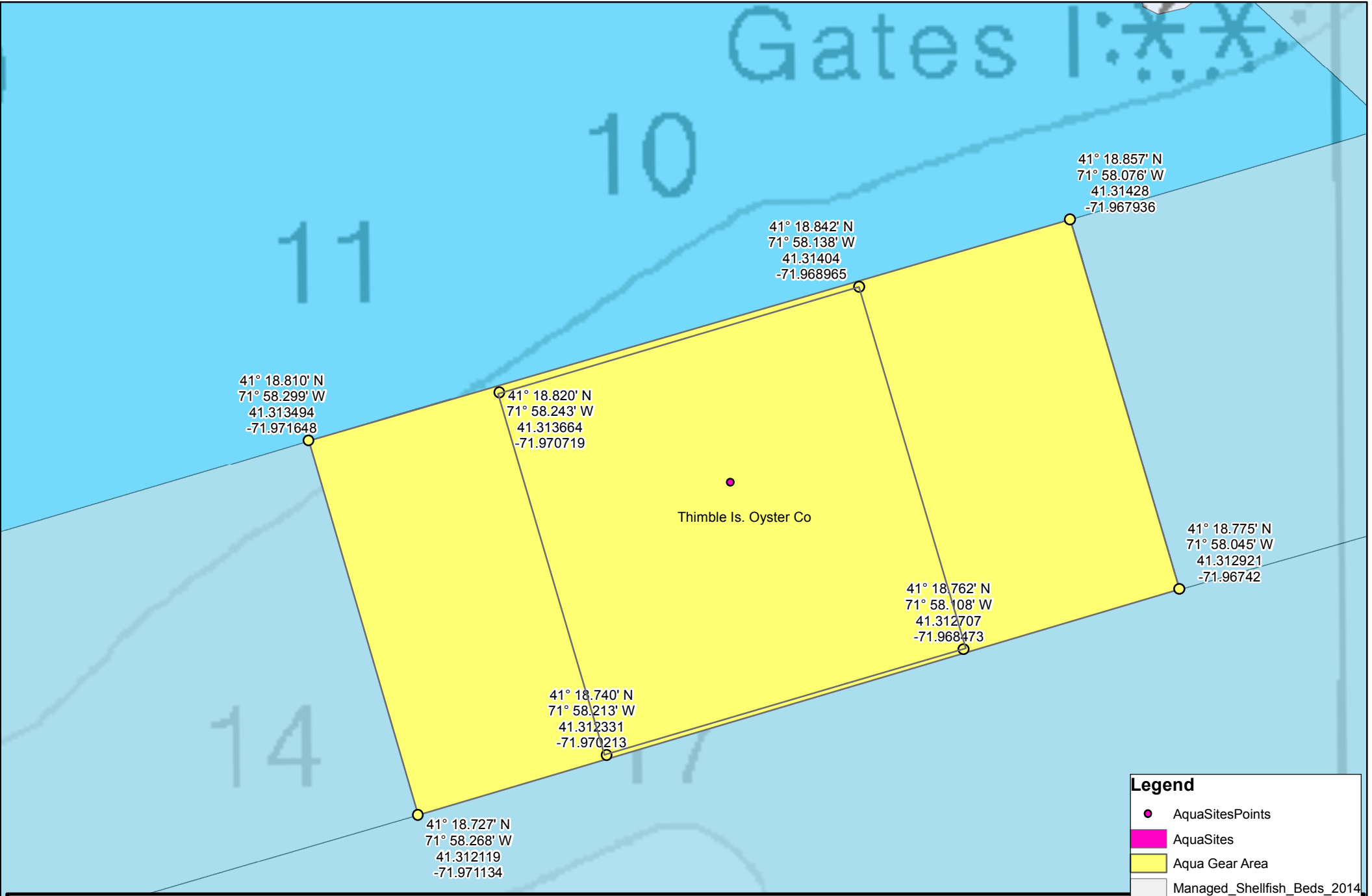
If yes, what is the Source of intake water (water body)?

What is the approximate volume to be withdrawn (gallons per day)?

RESOURCE INFORMATION

5) Is there submerged aquatic vegetation (eelgrass or turtle grass) or tidal wetland (cordgrass) within the area of the identified lease? ☐ YES ☒ NO

6) Have you considered alternate sites, gear, and/or gear configurations? ☒ YES ☐ NO



Thimble Is. Oyster Co
2016-SW#2
Stonington, CT
(9) 400' longlines
Fig.1A

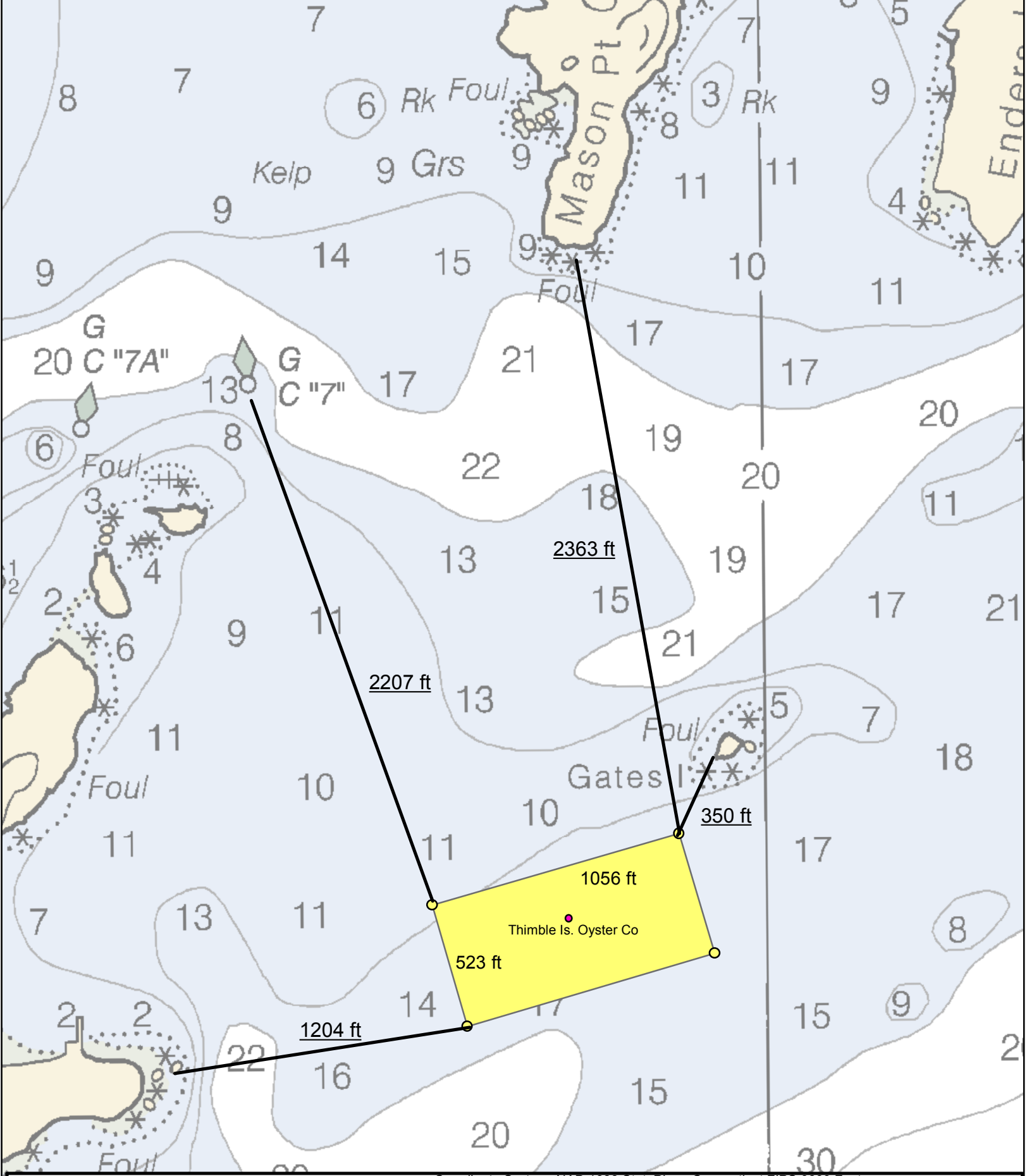
Total Area =12.4 acres

0 60 120 240 360 480 Feet

Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,000,000.0000
False Northing: 500,000.0000
Central Meridian: -72.7500
Standard Parallel 1: 41.2000
Standard Parallel 2: 41.8667
Latitude Of Origin: 40.8333
Units: Foot US

N

Map Date: 3/16/2016



Thimble Is. Oyster Co
2016-SW#2
Stonington, CT
(10) 400' longlines
Fig.1B

Total Area =12.4 acres

0 180 360 720 1,080 1,440 Feet

Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,000,000.0000
False Northing: 500,000.0000
Central Meridian: -72.7500
Standard Parallel 1: 41.2000
Standard Parallel 2: 41.8667
Latitude Of Origin: 40.8333
Units: Foot US

N

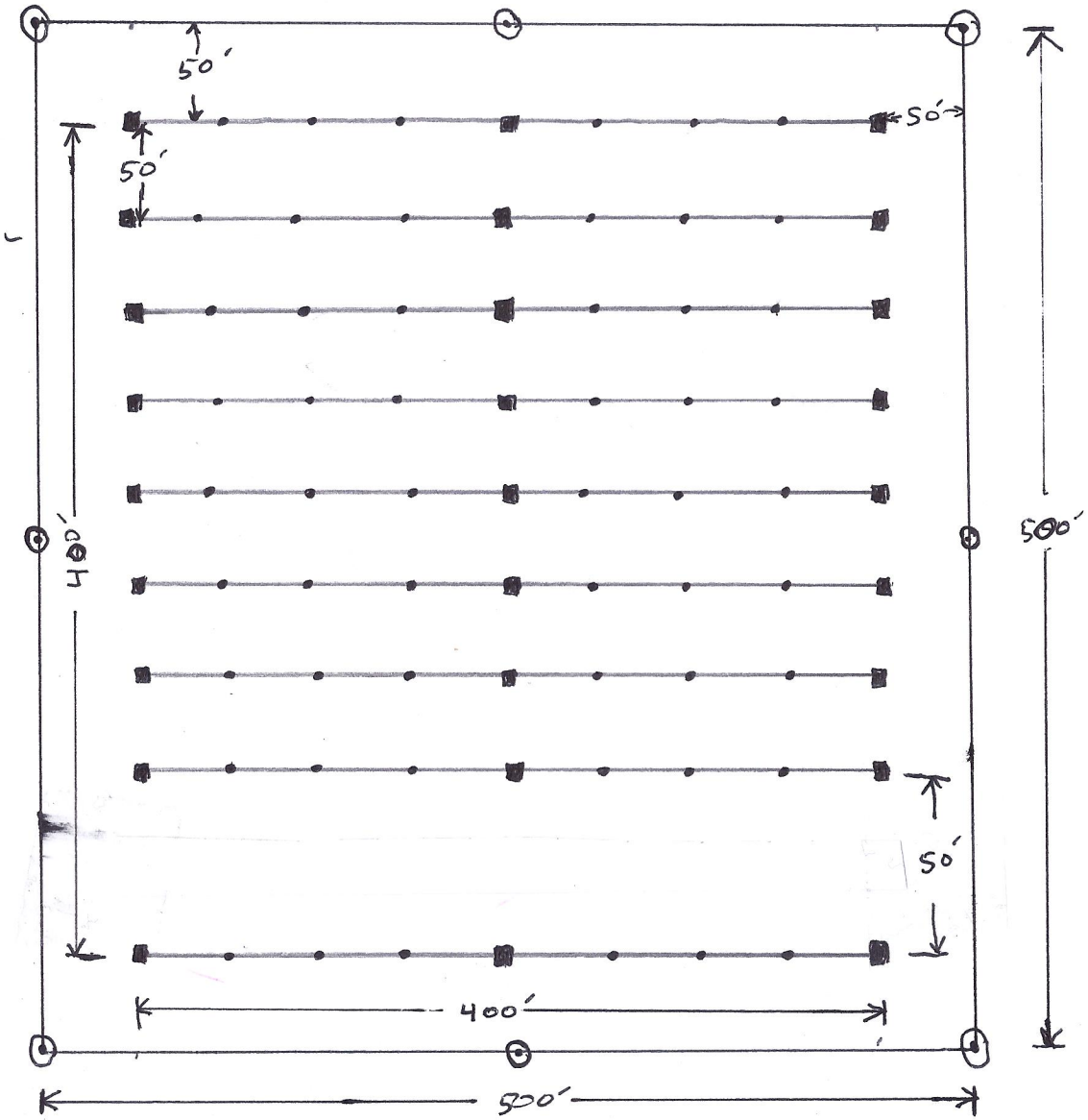
Map Date: 3/8/2016

Legend

- AquaSitesPoints
- AquaSites
- Aqua Gear Area

Project Overview Figure 2
Fishers Island Sound
Stonington, CT
Thimble Island Oyster, Co.

Legend:
1" = 100' (approximate)
■ = 250 pound mushroom anchor
• = floatation buoy
⊙ = Safe Boating Marker



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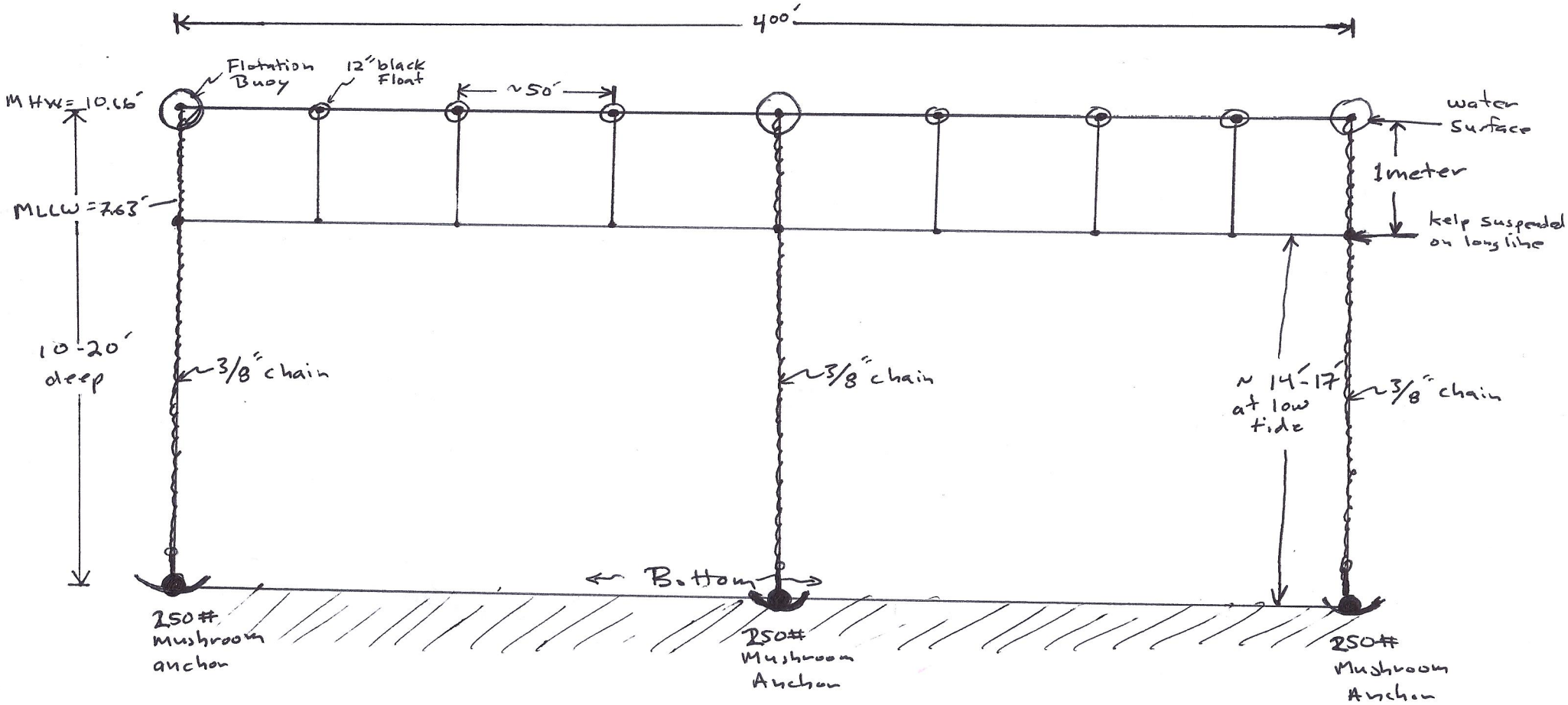
Gear Description (Cross-Sectional View) - Figure 3
Fishers Island Sound
Stonington, CT
Thimble Island Oyster, Co.