

**TOWN OF CLINTON
HARBOR MANAGEMENT COMMISSION**

Thursday, January 13, 2022 @ 6:30 pm

Regular Meeting Minutes

Present: Dave Adams, Todd Higgins, Paul Dahlgren, Ray Iverson, Martin Jaffe, Dennis Parker
Mike Markovics – Dock Master

Not Present: Wayne Church – Harbor Master

Adams called the meeting to order at 6:30 pm

APPROVE MINUTES OF PREVIOUS MEETING

Dahlgren made a motion the accept the minutes from the meeting on November 10, 2021. Seconded by Jaffe. The motion was accepted and the minutes approved.

CORRESPONDENSE

An email was received from Sam Tucker - attached.

DOCK MASTER

Submitted a budget proposal for 2022-23. Jaffe suggested to add a line item for cost of credit cards

Ramp passes will be ordered in February.

Adams will send a letter to Brian Manware, Chief of Fire Dept. about old hoses to be used on the docks.

There was a discussion about how to fill the empty stakes with transients or power boats.

Further discussion will be needed.

HARBOR MANAGEMENT PLAN

There have been no responses to the RFP. Adams reported that he has been talking to Harbor Management Commission chair in Old Saybrook. There was a brief discussion about possibly combining plans with other towns.

HARBOR MASTER

None

NEW BUSINESS

There was a brief discussion about the request from Sam Tucker about leasing sites for oysters and clams. It will be referred back to the Shellfish Commission.

ADJOURN

Motion to adjourn was made by Dahlgren. Seconded by Iverson. The motion was accepted and the meeting was adjourned at 7:08 pm.

Next meeting is scheduled for Thursday February 10.

Respectfully submitted,
Joan Lewis, Recording Clerk

Joan Lewis

From: Samuel Tucker <tuckersamuel1@gmail.com>
Sent: Thursday, January 13, 2022 7:36 AM
To: Joan Lewis
Subject: Oyster Farming

Good morning,

I got your email from Wayne Church-I am hoping to speak with the Harbor Management Commission about my plans to farm oysters and possibly clams in Clinton. I checked online, but didn't see any emails or phone numbers for any of the members. I noticed there was a meeting tonight and was hoping I might attend via zoom? Please let me know the best way to get in touch with the committee when you get a chance.

Thank you,
Sam Tucker

Joan Lewis

From: Samuel Tucker <tuckersamuel1@gmail.com>
Sent: Thursday, January 13, 2022 12:55 PM
To: Joan Lewis
Cc: Wayne Church
Subject: Fwd: Lease sites
Attachments: IMG_3213.jpg; IMG_3214.jpg; IMG_3215.jpg; IMG_3216.jpg; IMG_3217.jpg; IMG_3218.jpg

Hi Joan,

The attached is what I sent to Tom over at the Shellfish Commission and what I've started discussing with the DABA. I should have a lot more specifics within the next week, but a lot of the info should be here. Please let me know if you think it would be beneficial to attend via zoom to answer any questions.

Thank you!

Good morning,

I have been working with the Clinton Shellfish Commission on leasing some areas for oysters and possibly clams. I've been speaking with several farmers and doing some research and I think I'm ready to move forward with some plans. Below are the lease areas I'm interested in looking at. I wasn't sure how to plot different areas of the Hammock and I wasn't able to be super precise with my coordinate plotting, but the basic areas are there.

Ideally I'd love to do floating bags way in the back of the hammock past the last dock so they're not too obvious. I'm hoping to float 50 bags of oysters with about 50,000 oysters to star the first year. My plan would be to have an anchor at each end and connect the bags together. If possible, I'd love to experiment with different growout methods such as leaving them in bags their whole life, putting them on the ground and dredging in different areas of the Hammock, and also using a cage or two on the bottom with some. I'd want to make sure the dredging was done in areas that wouldn't impact the area in a negative way, as one of my main goals is to help the environment and clean the water. Id even be interested in "planting" some at about 2" and hand picking them at low tide. I feel like the more methods I can try, the more I can find out what works best for me and the lease area.

With regards to the lease areas I'm interested in, depending on the price I'm looking at 4 areas. The first map has the 4 areas numbered and roughed out.

Area 1: Hammock River-I'd definitely be interested in as much of the Hammock as possible, again, depending on the price negotiated with the Shellfish Commission.

Area 2: Pic 2-There's a rough 2ish acre square just East of the Port Clinton marina and West of the mouth of the Indian River. If possible, I'd love to lease this for Wintering oysters, and possibly growing in the Summer

Area 3-Pics 3 and 4-There is an acre or so on the other side of the channel from Mike-I'd love to experiment with this area and see if it would work moving forward. I'm concerned about it being too shallow so I'm not totally committed to this site yet, but would love to try it out if possible.

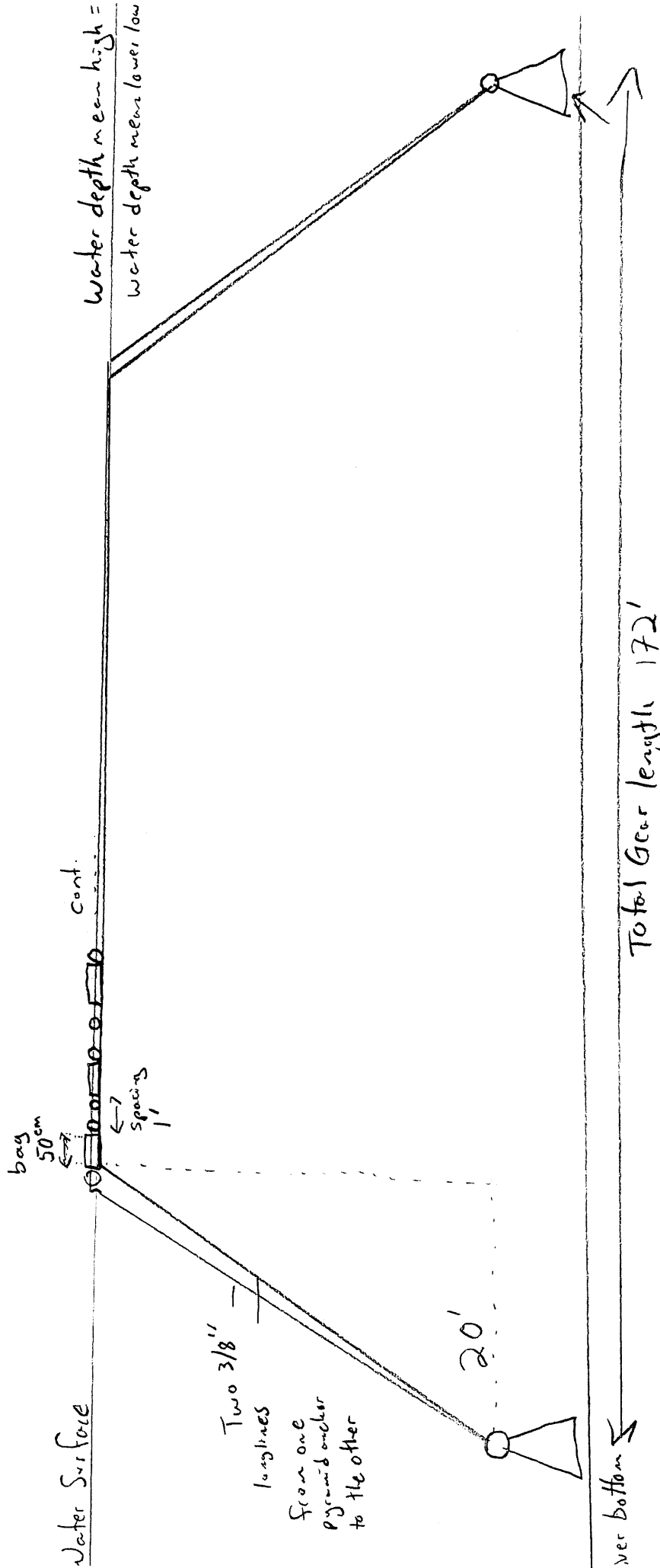
Area 4-Pics 5 and 6-I'm looking for a depuration area. I was told somewhere out by the breakwater would work. I picked a random 5 acres just outside the rec area as I'm hoping to avoid as much weather as possible. I'm also open to other areas that might not be quite as exposed if they exist.

If it's easier to speak over the phone about this, I put my cell number below. I have been going strong on trying to find out as much as I can about this for the past year, and I can't wait to make this dream a reality. Thank you and I hope you have an excellent week!

-Sam Tucker
(617) 872-0140

Cross - Sectional Diagram

Hammock River Floating Boys



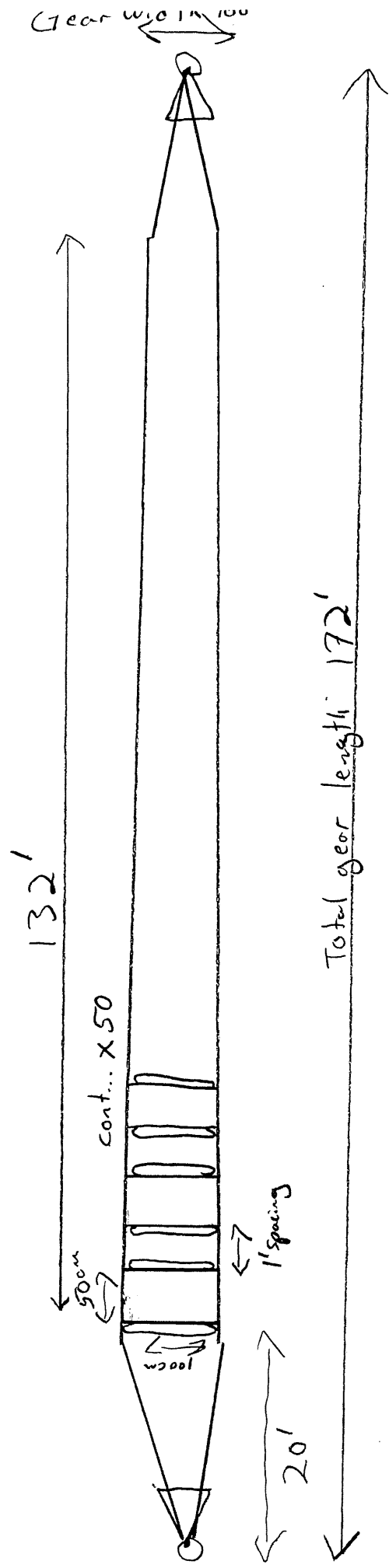
Total Gear length 172'

- Long lines = 7/16" Sinking proflex rope - Breaking strength 4310 lbs
- = 100cm X 50cm bag w/ 2 floats attached to either side - 50 bags across in total w/ 100 torpedo floats
- ⊙ = Pyramid Anchor - 150 lbs - Holding Power 1500 lbs

1/22/22

Hamock River Flooding Bags

Overhead Diagram

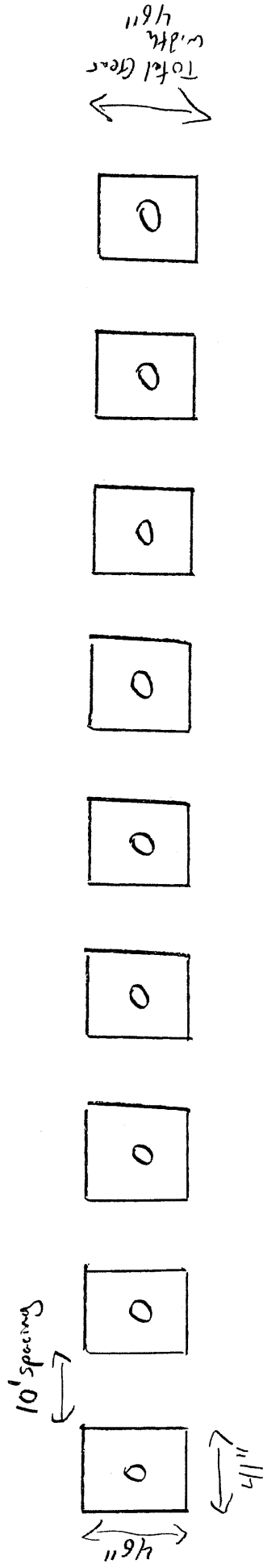


Longlines = 7/16" Sinking ProFlex Rope. Breaking strength 4310 lbs.
 = 100cm X 50cm bag / 2 torpede floats - one on either side. - 50 bags in total w/ 100 torpede floats
 = Pyramid Anchor - 150lbs - Holding Power 1500 lbs
 1/22/22

Overhead Diagram

Hammock River Cages

Total Gear length 111'



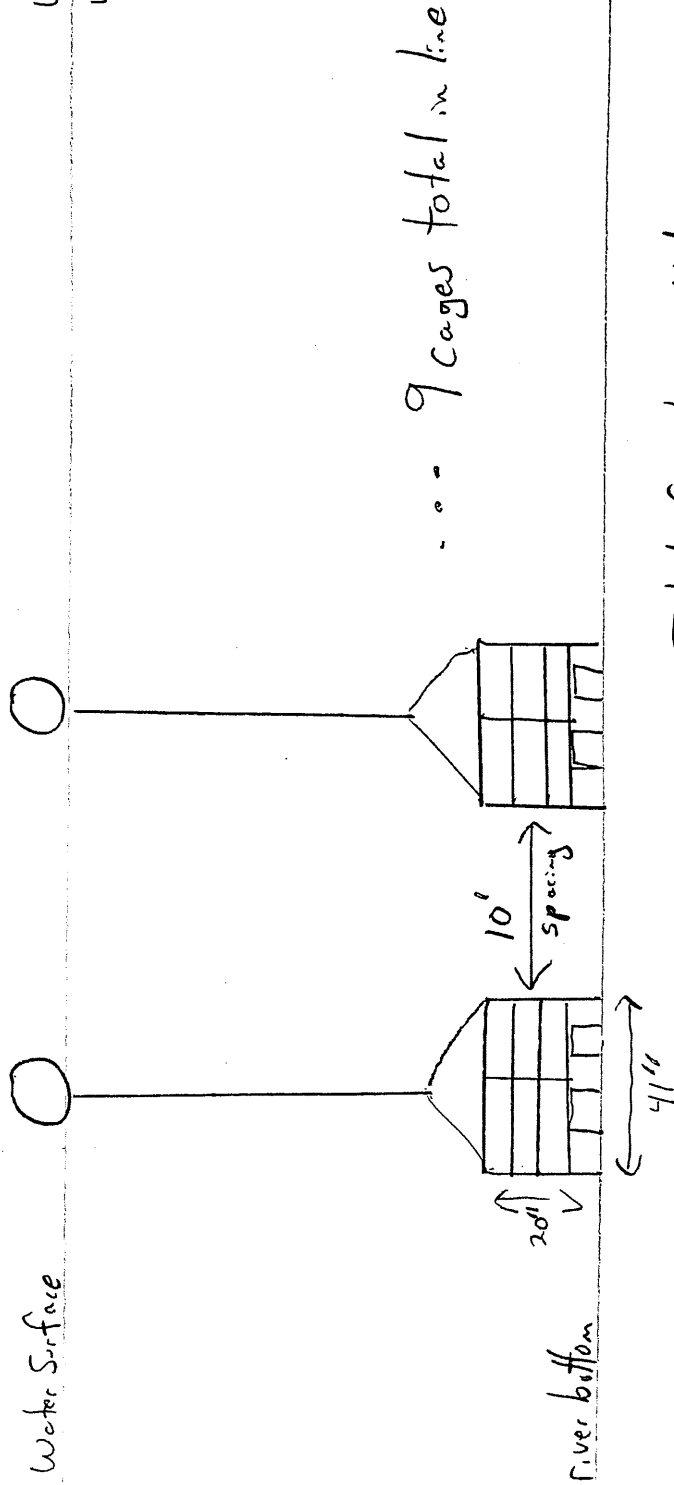
Buoy lines = 7/16" Sinking Proflex rope. Breaking Strength 4310 lbs

[] = 6 bag cage - 41" x 46" x 20" individually buoyed 9 cages and buoys in total black buoys

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Cross-Sectional Diagram

Hammock River Cages



Total Gear length 111'

Buoy lines = 7/16" Snaking Pro Flex Rope . Breaking Strength 4310

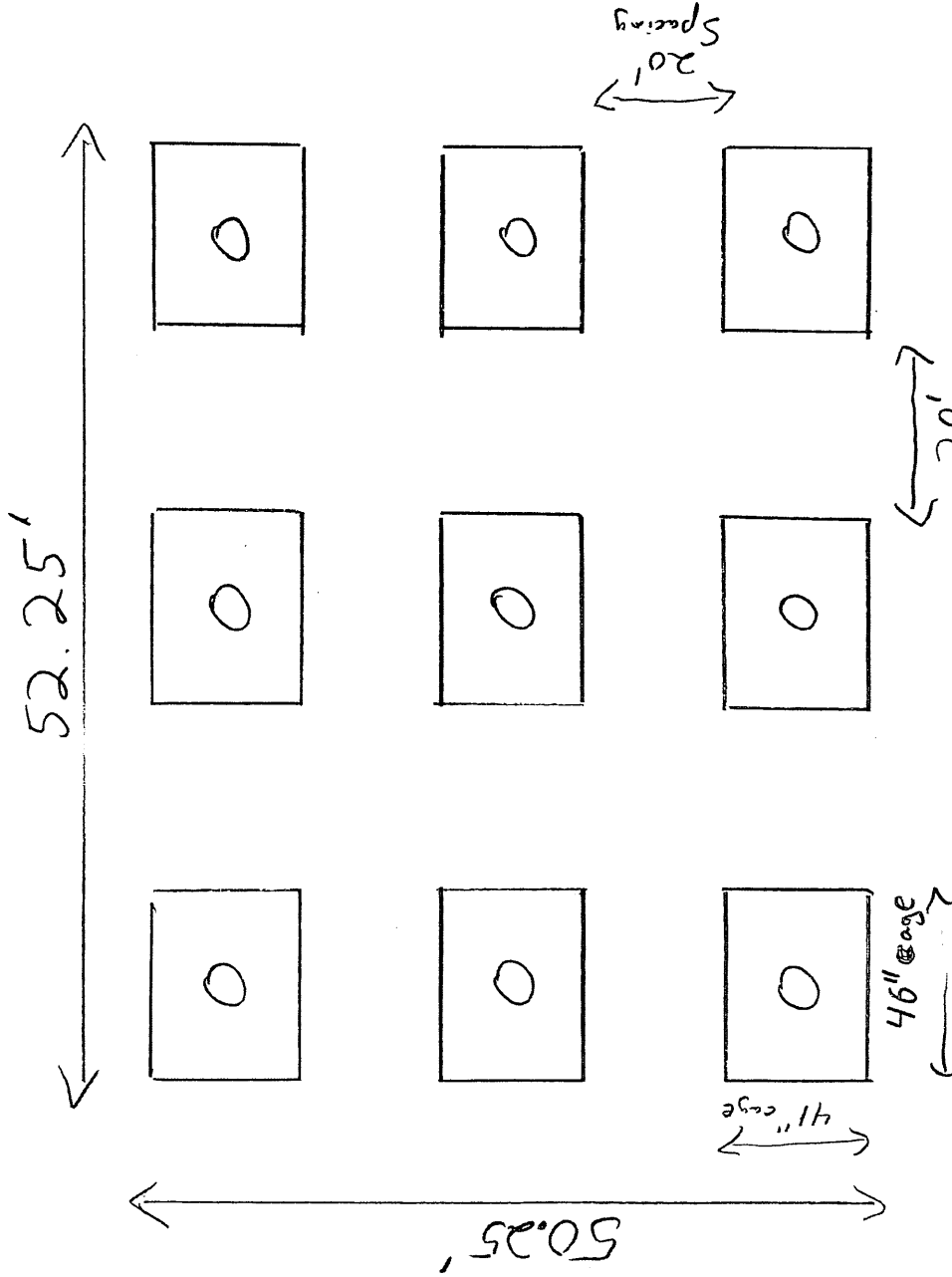
O - Cage buoy

⊞ = 6 bag cage - 41" x 16" x 20" Individually buoyed 9 Cages and buoys in total

1/22/22

Overhead Diagram

Clinton Depuration Cages
AND
Port Clinton Cages



Buoy lines = 7/16" Sinking Profile Rope - Breaking strength 4310 lbs
= 6 bag cage 41" x 46" x 20" individually buoyed

Cages laid out in a 3x3 grid = 9
Cages total
9 buoys total

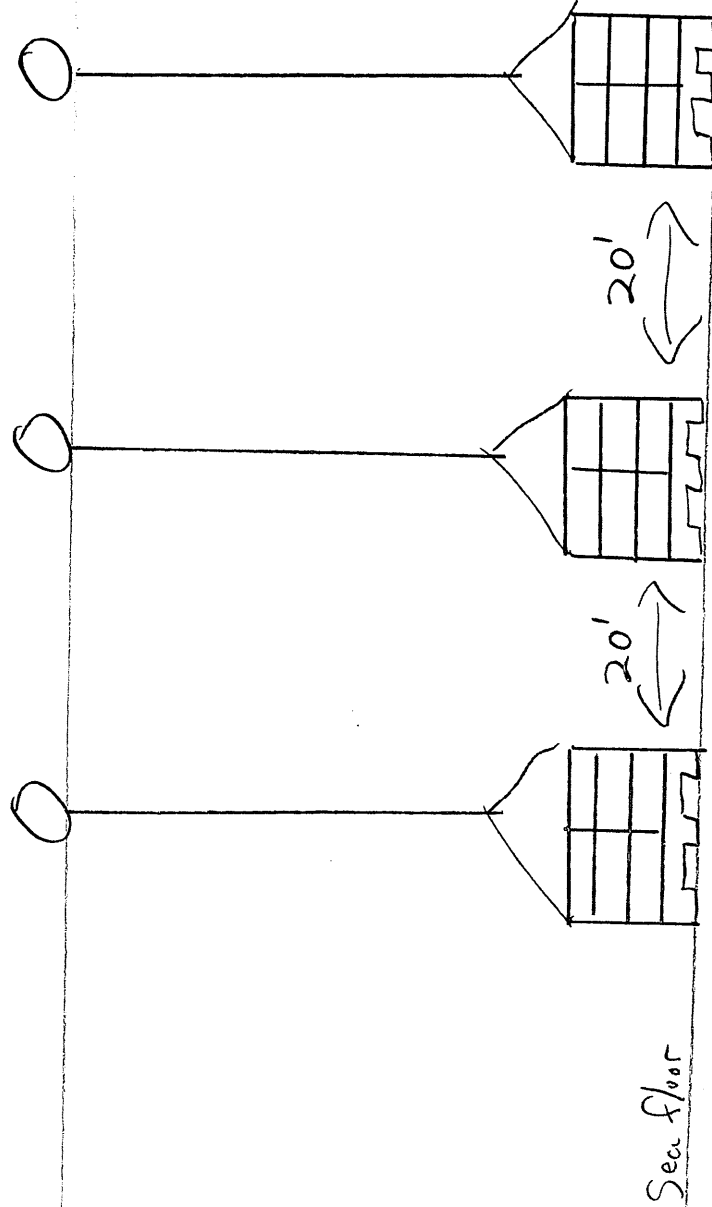
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Cross-Sectional Diagram

Clinton Depuration Cages
AND
Port Clinton Cages

Water Depth Mean High
Clinton Depuration = 12'
Port Clinton = 8'

Water Depth Mean Low
Clinton Depuration = 8'
Port Clinton = 4'



Buoy Lines = 7/16" Sinking Pro Fler Rope . Breaking Strength 4310 lbs
○ = cage buoy

1/22/22
= 6 bag cage - 41" x 46" x 20" Cages laid out in a 3x3 grid = 9 cages total
50.25' x 52.25'



Joint Agency Application to Conduct Marine Aquaculture in Connecticut

Part I. INSTRUCTIONS

1. Complete the application form using blue or black ink.
2. Include all supporting documents (see checklist, page ii).
3. There is no fee for this application.
- ~~4. If applying to conduct aquaculture activity on more than one site, please submit a separate application for each site.~~
5. The review of this application will result in a written Joint Agency Response which will alert the applicant as to any additional information necessary for the review, any suggested changes to the proposed project, or to inform the applicant as to the next steps in the process.
6. The review of this application is for the proposed project that is identified in this application. If the applicant makes changes at any point, the processing of this application will stop and a new application must be submitted in its place.
7. This application is the first step in the permitting process. The end result of the process is a Certificate for Aquaculture Operations. This certificate is issued by the Connecticut Department of Agriculture, Bureau of Aquaculture (CT DA/BA) once all local, state and federal authorizations have been issued to the applicant, and copies of such documents have been forwarded by the applicant to CT DA/BA. **Then, and only then, may the aquaculture activity commence.**
8. Please keep a copy of this application for your records.
9. Submit the application, checklist and supporting documents to:

Connecticut Department of Agriculture
Bureau of Aquaculture
P.O. Box 97, 190 Rogers Avenue
Milford, CT 06460
10. For questions about this form, please call CT DA/BA at (203) 874-0696 or email: david.carey@ct.gov.



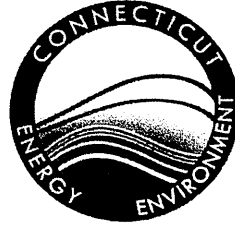
Joint Agency Application to Conduct Marine Aquaculture in Connecticut

Part II. CHECKLIST

To be complete, the application must include the following supporting documents (as applicable). Check the applicable box below for each attachment being submitted with this form. Agency forms can be located at: <http://aquaculture.uconn.edu/commercial/>.

- U.S. Army Corps of Engineers ENG-4345 Form, completed and signed
- U.S. Army Corps of Engineers CZM Statement Form, completed and signed
- General Location Map (see guidance, page 9 of this application package)
- Site Plan Diagram (see guidance, page 10 of this application package)
- Cross-sectional Diagram (see guidance, page 11 of this application package)
- If applicable*, Letter of permission from marina or dock owner
- If applicable*, Letter of permission from leaseholder or owner
- If applicable*, Connecticut Department of Energy and Environmental Protection (CT DEEP) Natural Diversity Database (NDDDB) determination response letter and a copy of mitigation measures developed by applicant and approved by CT DEEP.
- I understand that if state or federally-listed endangered or threatened species, essential fish habitat or shellfish beds intended for public harvest are documented within the footprint of the proposed site, this application will require a consultation with one or more federal agencies. Depending on the project location and scope, this may extend the timeframe for permitting the project.
- I understand that due to the Endangered Species and Marine Mammal Protection Acts, the use of longlines may be subjected to seasonal restrictions or the project will need to undergo an individual consultation with the National Marine Fisheries Service.

Applicant Name: Samuel Robison Tucker



Joint Agency Application to Conduct Marine Aquaculture in Connecticut

Part III. APPLICATION

A. AGENCY USE ONLY

Date of Receipt of Application:

CT DEEP Program: Aquaculture Exemption Determination

Application Number:

CT DEEP Fee: \$0.00 REV ID: [# 2220]

CT DA/BA File:

USACE Application Number:

B. APPLICANT INFORMATION

Applicant name: Samuel R. Tucker

Mailing address: 38 Middlesex Ave

City/Town: Chester

State: CT.

Zip Code: 06412

Business phone:

Business e-mail*: ~~tucker.samuel1@gmail.com~~

tuckeroysterco@gmail.com

Company name: Tucker Oyster Co.

Contact person: Samuel Tucker

Contact phone: (617) 872-0140

Contact e-mail*: tucker-samuel1@gmail.com

* By providing an e-mail address you are agreeing to receive official correspondence from the regulatory agencies, at this electronic address, concerning the subject form. 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.

C. PROJECT OVERVIEW

1. Project title (Include: city, product, gear type, lease/lot number or location):

Clinton, CT. Oysters + clams, floating bags + ground cages, nets,
Hammock River, just outside Indran River, deparator just outside Clinton rec area.

2. Purpose of the activity (select all that apply):

- Commercial (product intended for sale)
- Habitat restoration (product will **not** be sold)
- Stock enhancement (product will **not** be sold)
- Research/education I (three years or less in duration, product will **not** be sold)
- Research/education II (less than six months, less than 1000ft² footprint, no adverse impact to navigation, under direct supervision of CT DA/BA; product will **not** be sold)

3. Indicate cultivated product (State policy requires that only **native species** are cultivated. Some exceptions exist (see DA/BA). All stock transported from outside Connecticut requires a scientific/resource assessment license from CT DA/BA. This license must be obtained **prior to** any activity):

- eastern oyster
- northern quahog
- blue mussel
- bay scallop
- sugar kelp
- other (please list)

4. Indicate origin of product:

Company Name: A.R.C. Hutchery And Noank Cooperative CT.
Street Address: 99 Chapin Beach Rd. 100 Main St.
City: Dennis Noank, CT. 06340
State: MA 02638 (860) 460-4558
Phone: (508) 385-3933

5. Indicate the timeframe for the proposed activity:

- year-round
- seasonally
- one-time, temporary

6. Indicate the start and end dates for the proposed activity:

Start (dd/mm/yyyy) A.S.A.P. End (dd/mm/yyyy) Foreseeable Future

D. PROJECT LOCATION AND SIZE

1. Name of waterbody where project is proposed (If applicable):

Hammock River, Clinton Harbor

2. Street address (If applicable):

City: State: Zip Code:

3. Tax assessor's reference (If applicable):

Map: Block: Lot:

4. Lease Area Coordinates (Use decimal degrees)

NE Corner	Latitude: ① 41.26914°N ② 41.25715°N	Longitude: ① 72.52341°W ② 72.51961°W
SE Corner	Latitude: ① 41.26843°N ② 41.25624°N	Longitude: ① 72.52331°W ② 72.51886°W
SW Corner	Latitude: ① 41.26839°N ② 41.25551°N	Longitude: ① 72.52444°W ② 72.52064°W
NW Corner	Latitude: ① 41.26910°N ② 41.25652°N	Longitude: ① 72.52452°W ② 72.52136°W

+ Hammock

5. Gear/Structure Area Coordinates (Use decimal degrees)

NE Corner	Latitude: ① 41.26914°N ② 41.25715°N	Longitude: ① 72.52341°W ② 72.51961°W
SE Corner	Latitude: ① 41.26843°N ② 41.25624°N	Longitude: ① 72.52331°W ② 72.51886°W
SW Corner	Latitude: ① 41.26839°N ② 41.25551°N	Longitude: ① 72.52444°W ② 72.52064°W
NW Corner	Latitude: ① 41.26910°N ② 41.25652°N	Longitude: ① 72.52452°W ② 72.52136°W

+ Hammock

6. Identify method of determination for coordinates:

- GPS
- USGS Map (provide quadrangle name):
- Other (please specify): ^{CT} Aquaculture Mapping Atlas

7. Identify datum for coordinates: (If you obtain latitude/longitude information from a GPS unit or from the Connecticut Aquaculture Mapping Atlas: <http://s.uconn.edu/aquaculture>, the default datum is WGS84.)

WGS84

8. Will the project be located within a designated shellfish lease, lot or franchise?

Yes No

If no, skip to question #12.

9. Specify the type of lease, lot or franchise:

Town State

10. Specify the number of the lease, lot or franchise:

11. Are you the leaseholder or owner?

Yes No

If no, you must include a letter of permission from the leaseholder or owner with this application.

12. Will the project be located in a marina or attached to a private docking facility?

Yes No / Area near Port Clinton

→ If yes, you must include a letter of permission from the owner of the facility with this application.

E. PROJECT DESCRIPTION

1. Use the items in the checklist below to create a detailed project description on the next page.

- Aquaculture product and final product size
- Site location (city, lease/lot number or location, as applicable)
- Lease size (acreage)
- Gear area size (acreage)
- Cultivation gear (type, number, configuration, material and anchoring system)
- Harvest equipment and method
- Gear maintenance practices and frequency
- If applicable, location used to land product or stage gear (if not on private property)
- If applicable, location for storage of equipment and gear when not in use
- If applicable, indicate any water-based support facilities or structures (number, type, size, configuration, material and anchoring system)
- If applicable, indicate any piles to be driven (number, type-wood or steel, diameter), installation method (e.g. vibratory, hammer, slow-start), and if a sound analysis has been conducted (see: the NOAA GARFO Effects Analysis: Acoustic Impacts at: <https://www.greateratlantic.fisheries.noaa.gov/protected/section7/guidance/consultation/index.html>)
- If applicable, identify gear, anchors or lines that will be left in the water at the end of the product growing season

Project description:

Please see attached Project Description

F. VESSEL AND FACILITY INFORMATION

1. Provide information about vessel(s) you will use:

Vessel name:

Vessel length: 16'

Vessel speed (average when in vicinity of project, in knots): no more than 10 knots.

Vessel berthing location:

Street address:

City: Clinton

State: CT.

Zip Code: 06413

2. Will water be diverted to, or discharged from, the site?

Yes

No

Not applicable (If not applicable, skip to Section G)

3. Diversion volume:

gallons per day or

Not applicable

4. Discharge volume:

gallons per day or

Not applicable

5. Will the project include a flow through water system?

Yes

No

Not applicable

6. Will you make any biological (e.g. algae), chemical, (e.g. nutrients) or physical changes (e.g. heat) to the water?

Yes

No

Not applicable (If not applicable, skip to Section G)

7. Describe changes to the water:

G. POTENTIAL ADVERSE IMPACTS

1. If known, describe the bottom characteristics (e.g. bedrock, cobble, pebble, soft bottom) at the proposed project location: *Most areas within the lease location have a soft bottom*
 Not applicable

2. Is there eelgrass at the proposed project location?
 Yes No Not applicable

To answer this question please use the Connecticut Aquaculture Mapping Atlas: <http://s.uconn.edu/aquaculture>. Select "2017 Eelgrass Layer" in the Layer List in the upper left-hand corner of window. Eelgrass is considered Essential Fish Habitat and is protected by state and federal law. Please note that a buffer between the proposed activity and eelgrass may be required. In general, gear may not be placed within 25 feet of any eelgrass bed.

3. Has an eelgrass survey been conducted at the proposed project location?
 Yes No (If no, skip to question #5)

The applicant may be required to conduct an eelgrass survey if the project is in proximity to an eelgrass bed. To learn how to conduct an eelgrass survey which must be completed during the growing season, see the joint federal agency guidance (Tier 1 Methodology): [http://www.nae.usace.army.mil/portals/74/docs/regulatory/JurisdictionalLimits/Submerged Aquatic Vegetation Survey Guidance\(11-Aug-2016\).pdf](http://www.nae.usace.army.mil/portals/74/docs/regulatory/JurisdictionalLimits/Submerged_Aquatic_Vegetation_Survey_Guidance(11-Aug-2016).pdf) or obtain a copy from CT DA/BA.

4. Date of eelgrass survey (mm/dd/yyyy):

5. Please describe any knowledge of other water-dependent uses (e.g. fishing, boating, etc.) on the proposed site and identify any measures you will take to prevent or mitigate the impact of your project on such uses:

Established uses such as fishing, boating, navigation and shipping are considered in the evaluation of proposed aquaculture activities. Please be aware that in most instances aquaculture activity cannot interfere with established right of fishing in state waters per Connecticut General Statutes 26-204.

The Hammock is considered non-navigable, but I plan on placing any bags or cages to the side of the main channel to allow any kayakers/boats to pass through.

In both the Port Clinton and outside the rec area, there will be clear markers to ID the gear area and weighted sinking line used in all cases to avoid problems.

6. Is any portion of the proposed project located in an area used for shellfish harvest by the public?

To determine the answer, please use the Connecticut Aquaculture Mapping Atlas:

<http://s.uconn.edu/aquaculture> – select “Recreational Shellfish Beds” and “Natural Shellfish Beds” in the Layer List in the upper left-hand corner of window).

Yes No

7. Is the proposed project location in an area identified as, or otherwise known to be, a habitat for Connecticut endangered, threatened or special concern species?

Yes No Date of Map:

To determine the answer, please use the Connecticut Aquaculture Mapping Atlas:

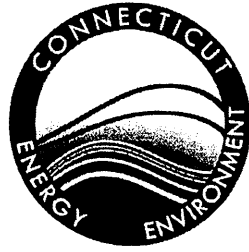
<http://s.uconn.edu/aquaculture> – select “Natural Diversity Database Area” in the Layer List in the upper left-hand corner of window). Please be aware that the proposed project will be evaluated to assess the potential for adverse impacts to endangered, threatened or special concern species.

8. If you answered YES to the previous question, STOP HERE! You must complete and submit a Request for NDDDB State Listed Species Review Form (DEEP-APP-007) to the address specified on the form, prior to submitting this application.

Please note NDDDB review generally takes 4 to 6 weeks and may require the applicant to produce additional documentation, such as ecological surveys, which must be completed prior to submitting this application form. A copy of the NDDDB Determination response letter that has not expired must be submitted with this application. Include a copy of any mitigation measures developed for this activity and approved by NDDDB. Be aware that you must renew your NDDDB Determination if it expires before project work commences. For more information visit the CT DEEP website: www.ct.gov/deep/nddbrequest or call 860-424-3011.

Please note that if state-listed species are present, it is highly likely that federally-listed species may also be present. The regulatory agencies will determine whether species have been identified within the footprint of the proposed site. If federally-listed species have been identified, a consultation with additional federal agencies is required. Depending on the project location and scope, this may extend the timeframe for permitting the project. While it is not the applicant’s responsibility to self-determine the presence of federally-listed species, the following resources are available:

- U.S. Fish and Wildlife Service, Information for Planning and Consulting <https://ecos.fws.gov/ipac/> Click “get started” and follow directions.
- NOAA National Marine Fisheries Service, ESA Section 7 Mapper <https://www.greateratlantic.fisheries.noaa.gov/protected/section7/listing/index.html> Click on ESA Section 7 Mapper. Note that the entirety of Long Island Sound is noted as an area that requires consultation with the agency.



Joint Agency Application to Conduct Marine Aquaculture in Connecticut

Part IV. Signature

All submitted information is true, accurate and complete to the best of my knowledge and belief.

Signature: *Saul N. Tuck* Date: *1/20/22*

