

AQUACULTURE DESCRIPTION FORM

Clear Fields

Name: Last Doyle First Beth M.I. A.

Business Name (optional): _____

Mailing Address 21 Center Hill Road

City/Town Plymouth State MA ZipCode 02360

Telephone _____ Cell Phone 508-317-2959

E-Mail Address beth.doyle1@gmail.com

A. SITE DESCRIPTION

Location of proposed aquaculture license site(s) and access routes (Include a site map in USGS 1:24,000 or 1:25,000 format with site boundaries clearly outlined and both current and historic Massachusetts Department of Environmental Protection (MassDEP) mapped eelgrass layers depicted on the map. The MA-ShellFAST tool may be used for generating the map and measuring distances/acreage).

City/Town: Plymouth

Shellfish Growing Area (SGA): CCB 45

of Acres: 4.0

Site boundaries defined by latitude and longitude in decimal degrees (i.e. 42.3115° -71.057083°):

① LAT: 42°00'46.9086" LON: 70°37'17.8005" ② LAT: 42°00'46.8447" LON: 70°37'05.6416" ③ LAT: 42°00'43.1501" LON: 70°37'16.1642"

Have you conducted a survey of the site (Y/N)? Y Date? 4/04/22

Method of Survey:

Merrill Engineers and Land Surveyors

Average Depth at Mean Low Tide (MLW): 1'

Mean High Tide (MHW): 10'

The site is located in an: intertidal area; subtidal area; spans both intertidal and subtidal areas.

What type of sediment or bottom substrate is on the site? (Benthic Habitat Conditions):

Fine sand

Is eelgrass currently present on or within twenty-five (25) ft. of the proposed site¹ (Y/N)? N

If eelgrass is present or currently/historically mapped by DEP within the shellfish growing area, what is the shortest distance to actual or mapped eelgrass from the proposed site? _____ ft.

Are there shellfish currently on the site (Y/N)? N

If yes what species and approximate densities?

Is the proposed grant site located within an Area of Critical Environmental Concern (ACEC) (Y/N)?

N

Is the proposed grant site located within Natural Heritage Endangered Species Project (NHESP) mapped habitat (Y/N)? *If yes, you must submit a MESA Project Review Checklist to NHESP.*

Y *Completed; letter attached.*

Is the proposed grant site located within an Outstanding Resource Waters (Y/N)? N

Is there an Environmental Justice (EJ) population located within 1-mile of the project site (Y/N)? N

If so, please complete the attached supplement to this form for projects located within 1-mile of EJ populations.

Describe whether alternative locations were considered and identify the siting criteria used to select this site and the characteristics of the site that make it suitable for aquaculture use. It may be helpful for this evaluation to be based on the siting criteria identified in DMF's Shellfish Planting Guidelines and the Army Corps of Engineers General Permit for Aquaculture.

The site was selected with the following criteria in mind: sheltered site, no known native shellfish or eelgrass populations, known water quality, successful propagation within the general area.

Has the site been used for private shellfish propagation within the last two years (Y/N)? N

Has the site been used for municipal shellfish propagation within the last two years (Y/N)? N

1. Proposed aquaculture license sites with eelgrass present within the footprint or within 25 ft. of eelgrass will not be granted certification by DMF.

B. SPECIES TO BE CULTURED

What species of shellfish do you plan to cultivate? (Select all that apply)

- Eastern Oyster
- Quahog or Hard Clam
- Softshell Clam or Steamer
- Surf Clam
- Razor Clam
- Bay Scallop
- Blue Mussel
- Other _____

Do you propose on-bottom placement of cultch or spat on shell on the site (Y/N)? N

If yes, explain.

C. GEAR

What methods of culture will be used (specify by species if necessary)?

On- bottom Off- bottom submerged Off- bottom floating

Describe the type of gear to be utilized for each species to be cultured, include dimensions (Cages, Racks, Trays, Bags, Nets, Floating): **Depending on the gear type used, the project may require additional permitting by the Massachusetts Department of Environmental Protection (MassDEP). Consult with your Harbormaster, and if needed, with the MassDEP Waterways Program.**

*Rebar Rack and bag: racks 15" high x 40" w x 96" L.
Cage and bag: cage measurement: 48 x 44 x 18"*

*Include with your submission of this form a site map on a USGS 1:24,000 map with site boundaries clearly outlined and a cross-section schematic of the gear to be deployed on the site. 3

If you will utilize floating gear, what measures will you take to deter birds (bird deterrence plan required)?

- Spikes
- Zip ties
- Kites/streamers
- Faux predators
- Wire cage exclusion
- Sweeps/spinners
- Sonic deterrents
- Other

N/A

Please describe your bird deterrence plan:

What methods will you utilize to harvest shellfish? (Hand, Drag, Other) Please describe:

Hand

How will the proposed license site be marked? (Buoy color, Type, Lines, Anchor)

Bright green round buoys marked with the town permit number anchored with 12' 1/4" nylon line.

How will you access the license site?

By boat

What equipment do you plan on utilizing to maintain the license site and transport product?

Vehicle: Make: _____ Model: _____

Boat: Make: Carolina Model: 24'

Will any accessory structures be used on the license site? (barge, float, upweller, etc.)

No

Will this be a seasonal operation (gear and product removed from site in winter) or year-round?

Seasonal

Please include any additional information here:

D. CUMULATIVE IMPACTS

After voting to grant the site license at a duly advertised public hearing (M.G.L. c.130 §60), the Select Board of the municipality must submit a request for site certification to the Division of Marine Fisheries (DMF). A site inspection that may include a site survey will be performed by DMF. If DMF determines that issuance of the site license and operational activities thereunder will have no substantial adverse impacts to natural resources and existing fisheries, DMF will issue a conditional certification letter to the municipality and include a summary table that identifies other existing and conditionally certified aquaculture sites, gear types, and acreage within the same embayment as the proposed site.

This table will be used to assess cumulative impacts if the project is subject to environmental review by the Massachusetts Environmental Policy Act (MEPA) Office and should be submitted as an attachment with your MEPA filing. If the project is subject to the MEPA Special Review Procedure (SRP), the applicant hereby acknowledges and agrees to following the procedures set forth in the SRP. The SRP can be viewed [here](#).

All information furnished on this application is true and accurate to the best of my knowledge. I will notify the Division Marine Fisheries Shellfish Sanitation and Management Program immediately of any changes.

Signature of Applicant Beth Ann Doyle Date 11/14/22

Division of Marine Fisheries
ATTN: Aquaculture Coordinator
706 South Rodney French Boulevard
New Bedford, MA 02744
Phone: (508) 742-9766

OFF SAGASH BEACH - PLYMOUTH MA

Merrill

PREPARED BY
BETH DOYLE
21/11/22

EXHIBIT PLAN



OFF SAQUISH BEACH - PLYMOUTH MA

Merrill 
Engineers and Land Surveyors
427 COLUMBIA ROAD, HANOVER, MA 02339 / T: (781) 826-9200
26 UNION STREET, PLYMOUTH MA 02360 / T: (508) 746-6060
WWW.MERRILLINC.COM

PREPARED FOR:

BETH DOYLE
21 CENTER HILL ROAD
PLYMOUTH, MA 02360

SCALE: NOT TO SCALE

DATE: 4-04-2022

JOB No: 19-281



DIVISION OF
FISHERIES & WILDLIFE

1 Rabbit Hill Road, Westborough, MA 01581
p: (508) 389-6300 | f: (508) 389-7890
MASS.GOV/MASSWILDLIFE

September 23, 2022

Beth Doyle
21 Center Hill Road
Plymouth MA 02360

RE: Applicant: Beth Doyle
 Project Location: Waters of Plymouth (within Duxbury Harbor), off Gurnet & Saquish
 Project Description: Shellfish Aquaculture, boat accessed bottom-based aquaculture
 NHESP File No.: **22-41314**

Dear Applicant:

The Natural Heritage & Endangered Species Program of the Massachusetts Division of Fisheries & Wildlife (the "Division") received the MESA Project Review Checklist, site figure with lease area coordinates (dated 4/4/2022) and other required materials for review pursuant to the Massachusetts Endangered Species Act (MESA) (MGL c.131A) and its implementing regulations (321 CMR 10.00).

The Division has determined that this Project, as currently proposed, will occur **within** the actual habitat of the Roseate Tern (*Sterna dougallii*), Common Tern (*Sterna hirundo*), and Piping Plover (*Charadrius melodus*), species state-listed as Endangered, Special Concern, and Threatened, respectively. These species and their habitats are protected in accordance with the MESA. The MESA is administered by the Division, and prohibits the Take of state-listed species. The purpose of the Division's review under the MESA regulations is to determine whether a Take of state-listed species will result from the proposed project.

Based on a review of the information that was provided and the information that is currently contained in our database, the Division has determined that the boat accessed, bottom-based aquaculture project, as currently proposed, **will not result in a prohibited Take** of state-listed rare species. This determination is a final decision of the Division of Fisheries & Wildlife pursuant to 321 CMR 10.18. Any changes to the proposed project or any additional work beyond that shown on the site plans may require an additional filing with the Division pursuant to the MESA. This project may be subject to further review if no physical work is commenced within five years from the date of issuance of this determination, or if there is a change to the project.

Please note that this determination addresses only the matter of state-listed species and their habitats. If you have any questions regarding this letter please contact Emily Holt, Endangered Species Review Assistant, at (508) 389-6385.

Sincerely,

A handwritten signature in cursive script that reads "Everose Schlüter".

Everose Schlüter, Ph.D.
Assistant Director

MASSWILDLIFE

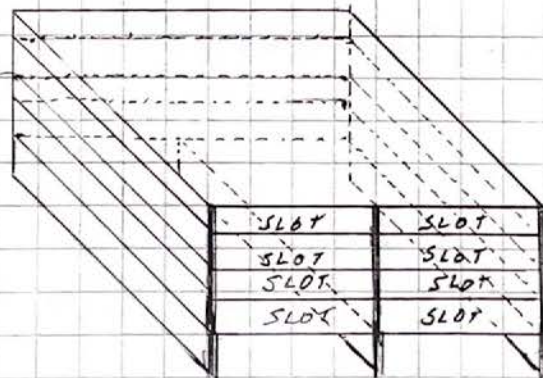
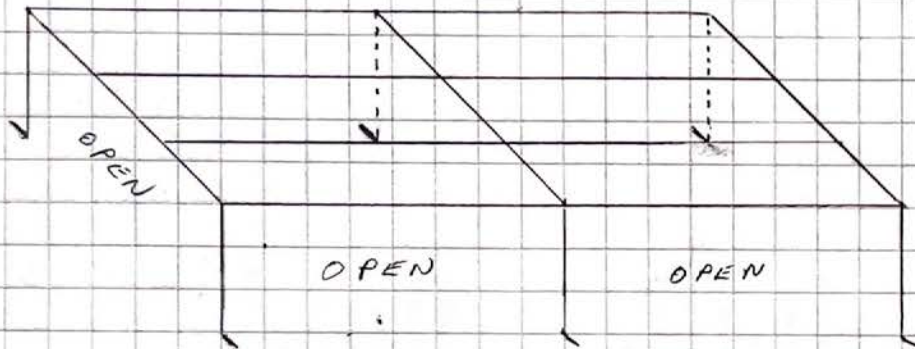
Beth Doyle

REBAR RACK

$\frac{1}{2}$ " rebar steel

96" long 40" wide 18" height

holds 6 grow bags 18" off bottom



8 Bag Cage

4x4 vinyl coated

48 x 40 x 18

EACH SLOT HOLDS 1 GROW BAG

$\frac{1}{2}$ " = 1'



The Commonwealth of Massachusetts

Division of Marine Fisheries

251 Causeway Street, Suite 400, Boston, MA 02114
p: (617) 626-1520 | f: (617) 626-1509
www.mass.gov/marinefisheries



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Governor

KARYN E. POLITO
Lt. Governor

BETHANY A. CARD
Secretary

RONALD S. AMIDON
Commissioner

DANIEL J. MCKIERNAN
Director

July 5, 2022

Town of Plymouth Select Board
Town Hall
Plymouth, MA 02360

Ladies and Gentlemen:

Under authority of Chapter 130, § 57 of the Massachusetts General Laws (MGL), an on-site inspection of an approximately 4-acre aquaculture site proposed by Beth Doyle in the Town of Plymouth, MA was conducted by personnel from the Division of Marine Fisheries (DMF) on June 17, 2022.

The proposed license site is located in the waters of Plymouth within the Duxbury Bay shellfish growing area (DMF designation CCB45.0) north of Saquish Head. Water quality at and adjacent to this site is classified as "Approved" for shellfish harvesting in accordance with provisions of the National Shellfish Sanitation Program (NSSP). The proposed site includes both intertidal and subtidal area with sediment that consists primarily of a fine sand layer atop black mud. The applicant proposes to deploy bottom gear to culture oysters (*C. virginica*) and potentially other bivalve shellfish.

The site inspection included a shellfish survey. A total of one hundred and fifty-three (153) square-foot quadrats were sampled along four (4) east-west running transects across the triangular site. A total of three individual bivalves were observed within the entire site: one quahog (*M. mercenaria*), one oyster and one razor clam (*E. leei*). These shellfish densities are not considered significant by the Division of Marine Fisheries in assessing sites for private shellfish aquaculture licenses. No eelgrass (*Z. marina*) was observed on the proposed site. No other significant marine resources, endangered species, or existing wild fisheries were noted at the time of the survey.

Duxbury Bay has been mapped as habitat for protected species including sea turtles and whales by NOAA Fisheries Greater Atlantic Regional Fisheries Office Protected Resources Division (<https://noaa.maps.arcgis.com/apps/webappviewer/index.html?id=1bc332edc5204e03b250ac11f9914a27>). DMF is concerned that placement of vertical lines may pose an entanglement risk to marine mammals and turtles. It is our opinion that issuance of an aquaculture license site at this Duxbury Bay location would not cause substantial adverse impacts on the shellfish or other natural resources of this water body with the conditions stated below. Consequently, the Select Board may issue the license in accordance with Chapter 130, § 57 of MGL provided the following two conditions are placed on the license:

- 1) Vertical lines attached to gear and/or buoys shall be reduced in number to the extent possible and shall be kept under tension or sheathed to the greatest extent practicable.

- 2) Any entanglement of protected species, including whales and turtles, must be immediately reported to the Marine Mammal and Sea Turtle Stranding and Entanglement Hotline at 1-866-755-NOAA (6622).

A copy of the license must be sent to this office at the time of issue by the Select Board.

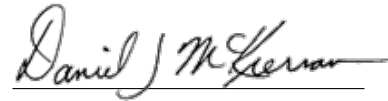
All activities in connection with this license must be conducted in accordance with all applicable state statutes and regulations governing shellfish and in accordance with provisions of Title 322, Code of Massachusetts Regulations (CMR) 7:00 Permits, 15:00 Management of Marine Aquaculture, 16:00 Shellfish Sanitation, Harvest, Handling and Management; and Department of Public Health, Food Protection Program regulations at Title 105, CMR 500.020 and 500.021. Marine Fisheries reserves the right to further condition this private aquaculture license at any time, under provisions of MGL Chapter 130, § 57 if deemed necessary to protect shellfish and other natural resources.

All holders of a local private shellfish aquaculture license from a municipality allowing exclusive use of an area to grow shellfish are also **required to obtain a propagation permit from DMF and a state commercial shellfish permit in order to harvest** under authority of Chapter 130, §§ 69 and 80 of MGL and 322 CMR: 7:00 and 15:00 from the Division of Marine Fisheries. The propagation permit authorizes the possession and growing of seed shellfish from an approved source and is required annually regardless of whether seed is purchased from a hatchery or is acquired from a natural set. The commercial permit allows harvesting, possession, and landing of shellfish for sale to wholesale dealers authorized to purchase shellfish.

The licensee should be aware that this license is subject to further regulation by the U.S. Army Corps of Engineers and may be subject to review by the Massachusetts Environmental Policy Act (MEPA) Office under the provisions of M.G.L. c.30, §§ 61- 62I and the Massachusetts Department of Environmental Protection (MassDEP) under the provisions of Chapter 91 (Waterways Acts) and/or Chapter 131, § 40 (Wetlands Act) and their regulations. It is mandatory the licensee contact the local Conservation Commission to determine the applicability of the Wetlands Act and the U.S. Army Corps of Engineers, Regulatory Branch at 696 Virginia Rd., Concord, MA. 01742 (TEL: 978-318-8338) concerning a Programmatic General Permit for Shellfish Aquaculture. The licensee should also contact the MEPA Office (MEPA@mass.gov; 617-626-1000) to determine the need for MEPA review if the project meets or exceeds one or more MEPA review thresholds identified at [301 CMR 11.03](#). If MEPA review is required, DMF's certification under M.G.L. c. 130, § 57 shall be deemed conditioned on the issuance of a Certificate from the Secretary of Energy and Environmental Affairs determining that an Environmental Impact Report (EIR) is not required or that a Single or Final EIR is adequate for this project. This license certification shall be deemed final upon provision of such MEPA Certificate to DMF. Commencement of operations under this license prior to such determination by the Conservation Commission or before obtaining other required permits, approvals, and licenses from the MEPA Office, MassDEP, or the U.S. Army Corps of Engineers may result in legal or regulatory action against the licensee by one or more of these agencies. Permits issued by DMF to obtain and possess seed shellfish for aquaculture will not be issued until this license certification is final and do not absolve the licensee from the above-mentioned obligations.

Any questions or comments should be directed to Christian Petitpas, Aquaculture Specialist, at (508) 742-9766.

Sincerely,

A handwritten signature in cursive script, reading "Daniel J. McKiernan", written in black ink. The signature is positioned above a thin horizontal line.

Daniel J. McKiernan, Director
MA Division of Marine Fisheries

cc: G. Lundgren, C. Petitpas, J. Kennedy, DMF
C. Hunter, Shellfish Constable
B. Doyle, Applicant
Plymouth Conservation Commission
P. Czepiga, MEPA
J. Hobill, DEP SERO
U.S. Army Corps of Engineers

Table of existing and currently proposed private aquaculture sites in Plymouth/Duxbury/Kingston Bays (CCB42, CCB43, CCB45, CCB47)

TOWN	MUNICIPAL_GRANT_ID	SHELLFISH_GROWING_AREA	WATERBODY	SITE_DESCRIPTION	TYPE OF SITE (SPECIES, GROWTH STAGE)	FLOATING CAGES/BAGS	BOTTOM CAGES/TRAYS	RACK & BAG	BOTTOM PLANTING	OTHER GEAR	ACRES	STATUS
PLYMOUTH	TBD	CCB45	DUXBURY BAY	SAQUISH	OYSTER GROWOUT		CAGES	YES			4.0	PROPOSED/CURRENT APPLICANT
PLYMOUTH	9	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES				2.0	EXISTING/ACTIVE
PLYMOUTH	ADA-16	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		BOTH				2	EXISTING/ACTIVE
KINGSTON	3	CCB43	KINGSTON BAY	ICHABOD FLAT	OYSTER GROWOUT		CAGES				2.5	EXISTING/ACTIVE
PLYMOUTH	14	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER, SURF CLAM GROWOUT		BOTH	YES			2	EXISTING/ACTIVE
PLYMOUTH	11	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER, SURF CLAM GROWOUT		BOTH	YES			2	EXISTING/ACTIVE
DUXBURY	COE4054-2	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER GROWOUT		CAGES		YES		1	EXISTING/ACTIVE
DUXBURY	13	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER, QUAHOG, SURF CLAM, BAY SCALLOP GROWOUT		TRAYS	YES	YES	NETS	3	EXISTING/ACTIVE
DUXBURY	NAE2009-1761 SITE B	CCB45	DUXBURY BAY	HUNT'S FLAT	OYSTER, QUAHOG, SURF CLAM, BAY SCALLOP GROWOUT		BOTH		YES		2	EXISTING/ACTIVE
PLYMOUTH	19	CCB45	DUXBURY BAY	SAQUISH	OYSTER GROWOUT		BOTH	YES			2.5	EXISTING/ACTIVE
PLYMOUTH	21	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		TRAYS	YES	YES		1.4	EXISTING/ACTIVE
PLYMOUTH	5	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		BOTH				3	EXISTING/ACTIVE
PLYMOUTH	ADA-2	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		BOTH	YES			2	EXISTING/ACTIVE
DUXBURY	0319-1	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER GROWOUT		CAGES		YES		1.84	EXISTING/ACTIVE
PLYMOUTH	ADA-7	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT	CAGES	BOTH				2	EXISTING/ACTIVE
PLYMOUTH	ADA-1	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT	CAGES	BOTH				0.7	EXISTING/ACTIVE
DUXBURY	NAE-2006-2214	CCB45	DUXBURY BAY	EAGLES NEST INLET MOUTH	OYSTER GROWOUT		CAGES		YES		3	EXISTING/ACTIVE
DUXBURY	0117	CCB45	DUXBURY BAY	ROUND FLAT	OYSTER GROWOUT		CAGES/BAGS				2	EXISTING/ACTIVE
PLYMOUTH	NAE 2016-1344	CCB42	PLYMOUTH HARBOR	ICHABOD FLAT	OYSTER GROWOUT		BOTH	YES			3.5	EXISTING/ACTIVE
PLYMOUTH	ADA 20	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		BOTH	YES			1.7	EXISTING/ACTIVE
DUXBURY	8956-8	CCB45	DUXBURY BAY	ROUND FLAT	OYSTER GROWOUT		CAGES	YES			2.75	EXISTING/ACTIVE
DUXBURY	7085	CCB43.1	KINGSTON BAY	HOWLAND'S LANDING	OYSTER GROWOUT		TRAYS				1.5	EXISTING/ACTIVE
DUXBURY	9432	CCB45	DUXBURY BAY	EAST OF BOAT BASIN	OYSTER GROWOUT		BOTH		YES	ADPI BAGS	0.5	EXISTING/ACTIVE
DUXBURY	2005-419	CCB45	DUXBURY BAY	HUNT'S FLAT	OYSTER GROWOUT		CAGES		YES		3	EXISTING/ACTIVE
DUXBURY	4000-2	CCB45	DUXBURY BAY	EAGLE'S NEST POINT	OYSTER GROWOUT		CAGES				1	EXISTING/ACTIVE
PLYMOUTH	ADA-A	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES				4	EXISTING/ACTIVE
DUXBURY	COE2004-4364, 4647-7	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER, QUAHOG, SURF CLAM, BAY SCALLOP GROWOUT		CAGES/BAGS		YES	CARS	3	EXISTING/ACTIVE
PLYMOUTH	ADA-9	CCB42	PLYMOUTH HARBOR	WHITE FLAT	GROWOUT		CAGES				2	EXISTING/ACTIVE
DUXBURY	2122	CCB45	DUXBURY BAY	HUNT'S FLAT	OYSTER GROWOUT		CAGES	BAGS	YES		2.1	EXISTING/ACTIVE
PLYMOUTH	5	CCB42	PLYMOUTH HARBOR	WHITE FLAT	MULTI SPECIES GROWOUT		CAGES		YES		2	EXISTING/ACTIVE
DUXBURY	NAE 2006-3482-A	CCB45	DUXBURY BAY	GOOSE FLAT	OYSTER GROWOUT				YES		2.5	EXISTING/ACTIVE
PLYMOUTH	13	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES				2	EXISTING/ACTIVE
DUXBURY	7901-1	CCB45	DUXBURY BAY	HUNT'S FLAT	OYSTER GROWOUT		BOTH		YES		0.5	EXISTING/ACTIVE
DUXBURY	8968-10	CCB45	DUXBURY BAY	ROUND FLAT	OYSTER, QUAHOG, SURF CLAM GROWOUT		BOTH		YES		3	EXISTING/ACTIVE
PLYMOUTH	ADA-6	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES				2	EXISTING/ACTIVE
PLYMOUTH	ADA-8	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES				2	EXISTING/ACTIVE
PLYMOUTH	ADA-10	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES	YES			2	EXISTING/ACTIVE
DUXBURY	142035-B	CCB45	DUXBURY BAY	BEACH FLAT	OYSTER GROWOUT		CAGES	YES			1	EXISTING/ACTIVE
DUXBURY	120568-B	CCB45	DUXBURY BAY	BEACH FLAT	OYSTER GROWOUT		CAGES	YES			1	EXISTING/ACTIVE
DUXBURY	9732-2	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER GROWOUT		CAGES	YES	YES		1	EXISTING/ACTIVE
DUXBURY	2008-1289-A	CCB45	DUXBURY BAY	GOOSE FLAT	OYSTER GROWOUT				YES		3	EXISTING/ACTIVE
DUXBURY	1050-A, 1050-B	CCB45	DUXBURY BAY	ROUND FLAT	OYSTER GROWOUT				YES		2	EXISTING/ACTIVE
DUXBURY	4438-2	CCB45	DUXBURY BAY	GOOSE FLAT	OYSTER GROWOUT				YES		1	EXISTING/ACTIVE

PLYMOUTH	ADA-18	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		BOTH	YES			2	EXISTING/ACTIVE
PLYMOUTH	23	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		BOTH				1.5	EXISTING/ACTIVE
PLYMOUTH	22	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		TRAYS				2	EXISTING/ACTIVE
PLYMOUTH	04	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		BOTH	YES	YES		4	EXISTING/ACTIVE
DUXBURY	COE 4271-1	CCB45	DUXBURY BAY	WEST OF BUOYS #17 & #19	GROWOUT		BOTH		YES		2	EXISTING/ACTIVE
DUXBURY	2409-1	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER GROWOUT			YES	YES		2	EXISTING/ACTIVE
DUXBURY	NAE 2004-3999	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER GROWOUT		BOTH	YES			3	EXISTING/ACTIVE
DUXBURY	S-8976	CCB45	DUXBURY BAY	HIGH PINE FLATS	OYSTER GROWOUT		CAGES/BAGS				0.8	EXISTING/ACTIVE
DUXBURY	NAE 2006-1837	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER				YES		3	EXISTING/ACTIVE
PLYMOUTH	24	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES				1.4	EXISTING/ACTIVE
DUXBURY	3334-1	CCB45	DUXBURY BAY	DUCK FLAT	OYSTER GROWOUT		BOTH	YES			0.5	EXISTING/ACTIVE
PLYMOUTH	4	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		BOTH				2	EXISTING/ACTIVE
PLYMOUTH	12	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER QUAHOG SURF GROWOUT		BOTH				2	EXISTING/ACTIVE
KINGSTON	2	CCB43	KINGSTON BAY	ICHABOD FLAT	OYSTER GROWOUT		BOTH				3	EXISTING/ACTIVE
DUXBURY	NAE-2006-1163, 9732-2	CCB45	DUXBURY BAY	HUNT'S FLAT WEST	OYSTER GROWOUT		CAGES	YES	YES		3	EXISTING/ACTIVE
PLYMOUTH	15	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES	BAGS			2	EXISTING/ACTIVE
KINGSTON	1	CCB43	KINGSTON BAY	ICHABOD FLAT	OYSTER GROWOUT		BOTH		YES		3	EXISTING/ACTIVE
DUXBURY	2006-189	CCB45	DUXBURY BAY	NORTH OF HUNTS FLAT	OYSTER, QUAHOG GROWOUT		BOTH	YES	YES		3	EXISTING/ACTIVE
PLYMOUTH	003	CCB42	PLYMOUTH HARBOR	ICHABOD FLAT	GROWOUT (ALL SPECIES)		BOTH		YES		3.75	EXISTING/ACTIVE
PLYMOUTH	2	CCB42	PLYMOUTH HARBOR	ICHABOD FLAT	GROWOUT		BOTH		YES		3.75	EXISTING/ACTIVE
PLYMOUTH	31	CCB42	PLYMOUTH HARBOR	BILLINGTON LEDGE	GROWOUT		BOTH		YES		4	EXISTING/ACTIVE
PLYMOUTH	001	CCB42	PLYMOUTH HARBOR	ICHABOD FLAT	GROWOUT(ALL SPECIES)		TRAYS		YES		3.75	EXISTING/ACTIVE
DUXBURY	155303-A	CCB45	DUXBURY BAY	NORTH OF CLARKS ISLAND	OYSTER GROWOUT			YES			1.5	EXISTING/ACTIVE
PLYMOUTH	25	CCB42	PLYMOUTH HARBOR	WHITE FLAT	OYSTER GROWOUT		CAGES				1.4	EXISTING/ACTIVE
DUXBURY	NURSERY	CCB47	BACK RIVER	SOULES ISLAND	NURSERY	CAGES					1	EXISTING/ACTIVE
DUXBURY	NAE2009-1761 SITE A	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER, QUAHOG, SURF CLAM, BAY SCALLOP GROWOUT		BOTH		YES		1	EXISTING/ACTIVE
DUXBURY	F-20	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	F-31	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	3093	CCB45	DUXBURY BAY	EAST OF BOAT BASIN	OYSTER GROWOUT		BOTH		YES	ADPI BAGS	2.5	EXISTING/ACTIVE
DUXBURY	6277-1	CCB45	DUXBURY BAY	EAGLE'S NEST POINT	OYSTER GROWOUT				YES		2	EXISTING/ACTIVE
DUXBURY	715	CCB45	DUXBURY BAY	FEDERAL ANCHORAGE AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	2122-2	CCB45	DUXBURY BAY	HUNT'S FLAT	OYSTER GROWOUT		CAGES	BAGS	YES		0.9	EXISTING/ACTIVE
DUXBURY	NAE2006-3482-B	CCB45	DUXBURY BAY	HUNT'S FLAT	OYSTER GROWOUT		CAGES				0.25	EXISTING/ACTIVE
DUXBURY	7901-2, 7901-3	CCB45	DUXBURY BAY	GOOSE FLAT	OYSTER GROWOUT		BOTH		YES		2.5	EXISTING/ACTIVE
DUXBURY	F-21	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER OYSTER, SURF CLAM						0.3	EXISTING/ACTIVE
DUXBURY	142035-A	CCB45	DUXBURY BAY	BEACH FLAT	OYSTER GROWOUT		CAGES	YES			2	EXISTING/ACTIVE
DUXBURY	120568-A	CCB45	DUXBURY BAY	BEACH FLAT	OYSTER GROWOUT		CAGES	YES			2	EXISTING/ACTIVE
DUXBURY	F-32	CCB45	DUXBURY BAY	DUXBURY BAY	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	2008-1289-B	CCB45	DUXBURY BAY	HUNT'S FLAT	OYSTER GROWOUT			YES	YES		0.25	EXISTING/ACTIVE
DUXBURY	4438-1	CCB45	DUXBURY BAY	NORTHEAST HUNT'S FLAT	OYSTER GROWOUT		BOTH	YES	YES		2	EXISTING/ACTIVE
DUXBURY	F-9	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	NURSERY/UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	7949-2, 7949-03	CCB45	DUXBURY BAY	HIGH PINE FLATS	OYSTER GROWOUT		CAGES/BAGS				2	EXISTING/ACTIVE
DUXBURY	3334-2	CCB45	DUXBURY BAY	DUCK FLAT NORTHWEST	OYSTER GROWOUT		TRAYS		YES	STACKABLE HOLDING CARS	0.5	EXISTING/ACTIVE

DUXBURY	F-22	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	NURSERY UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	F-16	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	OYSTER UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	F-28	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER					UPWELLER	0.3	EXISTING/ACTIVE
DUXBURY	F-23	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	FLOAT						0.3	EXISTING/ACTIVE
DUXBURY	F-10/762	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	F-1	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	F-25	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	F-24	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	688	CCB45	DUXBURY BAY	DUXBURY BAY	OYSTER GROWOUT		CAGES	YES	YES		2	EXISTING/ACTIVE
DUXBURY	F-12	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	F-15	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	F-8	CCB45	DUXBURY BAY	AQUACULTURE FLOAT AREA	UPWELLER						0.3	EXISTING/ACTIVE
DUXBURY	155303-B	CCB45	DUXBURY BAY	CLARK'S ISLAND NORTH	OYSTER				YES		1.5	EXISTING/ACTIVE

