

**ELDREDGE SURVEYING  
& ENGINEERING, LLC**

1038 Main Street  
Chatham, Massachusetts 02633

**LETTER OF TRANSMITTAL**

**To:** Town of Chatham  
Conservation Commission

**From:** Marija S. Eldredge

**Date:** November 8, 2016

**Subject:** **63 Oyster Bay Lane**  
**Regina C. Sullivan, Owner/Applicant**

---

Enclosed please find two (2) copies of the following:

- WPA Form 1 - Request for Determination of Applicability;**
- Creek Analysis dated 2016-11-06;**
- U.S.G.S. Map;**
- Assessors Map;**
- Wetlands Map;**
- Massachusetts Natural Heritage Atlas, Estimated **Habitats** of Rare Wildlife and Certified **Vernal Pools**; and
- Flood Zone Map.**
  
- Copy of **Notice of Public Hearing;**
- Abutters List;**
- Limited Power of Attorney;**
- Site Access Authorization;**
- Check made payable to the Town of Chatham in the amount of \$35.00 for the **filing fee**; and
- Check made payable to the Town of Chatham in the amount of \$20.00 for the **advertising fee.**

Also please find twelve (12) copies of the following:

- Copies of **this Letter;**
- Assessors Map** showing the location of the project; and
- Creek Analysis dated 2016-11-06.**

**DIRECTIONS:**

**From:** 261 George Ryder Road, Chatham, MA 02633  
**To:** 63 Oyster Bay Lane, Chatham, MA 02633

- Head northeast on George Ryder Rd toward Indian Hill Rd 0.5 mi
- Turn right onto Old Queen Anne Rd 0.9 mi
- Turn left onto Main St 0.7 mi
- At the traffic circle, take the 2nd exit onto Stage Harbor Rd 0.4 mi
- Turn right onto Cedar St 0.4 mi
- Turn right onto Oyster Bay Ln
- Destination will be on the left 417 ft

One copy of the above has been filed with the Department of Environmental Protection (DEP) in Lakeville.

**Copy:** Regina C. Sullivan



# WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## A. General Information

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Regina C. Sullivan \_\_\_\_\_  
Name

sullivanjj140@comcast.net \_\_\_\_\_  
E-Mail Address

8 Monadnock Road \_\_\_\_\_  
Mailing Address

Wellesley \_\_\_\_\_ MA \_\_\_\_\_ 02481 \_\_\_\_\_  
City/Town State Zip Code

617-447-1163 \_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Fax Number (if applicable)

2. Representative (if any):

Eldredge Surveying & Engineering, LLC \_\_\_\_\_  
Firm

J. Thaddeus Eldredge, PLS \_\_\_\_\_  
Contact Name

thadd@ese-llc.com \_\_\_\_\_  
E-Mail Address

1038 Main Street \_\_\_\_\_  
Mailing Address

Chatham \_\_\_\_\_ MA \_\_\_\_\_ 02633 \_\_\_\_\_  
City/Town State Zip Code

508-945-3965 \_\_\_\_\_  
Phone Number

508-945-5885 \_\_\_\_\_  
Fax Number (if applicable)

## B. Determinations

1. I request the Town of Chatham \_\_\_\_\_ make the following determination(s). Check any that apply:  
Conservation Commission

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Chatham \_\_\_\_\_  
Name of Municipality

- e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



# WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

63 Oyster Bay Lane

Street Address

Chatham

City/Town

13C

Assessors Map/Plat Number

19-3B

Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

A ditch extends from Cedar Swamp to Oyster Pond. The applicant is requesting that the Commission determines the contained stream to be intermittent.

- c. Plan and/or Map Reference(s):

Title

Date

Title

Date

Title

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

No work at this time.



## WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

### C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

Determination of river / intermittent stream.

---

---

---

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)

---

---

---



## WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

### D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Regina C. Sullivan

Name

8 Monadnock Road

Mailing Address

Wellesley

City/Town

MA

State

02481

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

Date

Signature of Representative (if any)

Date

11/8/16

***ELDREDGE SURVEYING  
& ENGINEERING, LLC***

1038 Main Street  
Chatham, Massachusetts 02633

November 6, 2016

Creek Analysis

Oyster Bay Lane, Chatham, Massachusetts

**Purpose:**

The following report is to verify the status of the creek near Oyster Bay Lane, Chatham, Massachusetts. The question at hand is if the stream meets the definition of a river under the River Protection Act.

**Location:**

The USGS Maps depicts a blue line between Cedar Street and Oyster Pond. After investigation it becomes apparent that the terminal ends of the stream are at the Oyster Pond and within the Cedar Swamp. The start of the stream is between Cedar Street and Oyster Bay Lane.

There is an earthen dam in this area that does not appear to have a culvert, which would lead this applicant to believe that there are two streams that commence on either side of the earthen dam; one proceeds northeasterly to the Oyster Pond and the other proceeds southwesterly to the Cedar Swamp.

The stream to the southwest was reviewed by the Chatham Conservation Commission in 2008 and a finding that the stream in fact is intermittent was issued. This was under CWP 08-195N, DEP SE 10-2485, Project Description / Findings #4 "...pursuant to the requirements of 310 CMR, the Commission found that the stream is intermittent." This leaves the applicant to examine the stream headed northeasterly.

The stream in question commences at the earthen dam. It proceeds in a northeasterly direction to Oyster Bay Lane. The culvert under Oyster Bay Lane was partially recovered and the stream continues north-northeasterly on the east side of Oyster Bay Lane.

The watershed was very loosely analyzed based on the USGS map and lists at about 0.05 square miles.

**Attachments:**

1. USGS Map
2. Surface Model

3. 1938 USGS Aerial Photograph
4. 1874 Chart
5. Topographical Plan of the stream
6. 2006 Watershed
7. Site Inspection Report by Peggy Fantozzi.
8. USGS Well Data – Chatham, MA-CGW 138, November 6, 2016
9. Creek Observations
10. Field Notes

**Responses to the criteria set forth in 310 CMR 10.58(2)(a)(1) a-h:**

- a. The stream in question does appear as blue lines on the most recent USGS map.
- b. The watershed for the stream system is less than one square mile.
- c.i. The watershed for the stream system is less than 0.5 square mile.
- c.ii. The watershed for the stream in question is less than 0.5 square mile.
- d. A report of the field observations is attached. This includes the following:
  - Photographs, descriptions, field notes and a statement signed under the penalties of perjury showing the creek not flowing. The field observations were made on September 15, October 1, October 2, October 3, and October 4, 2016.
  - USGS Well Data from November 5, 2016 for MA-CGW 138 Chatham shows that the groundwater level was normal when measured. When the next measurements are published, they will be submitted to the Conservation Commission.
- e. This ditch is not a major river. No name is known.
- f. As described above in d., the creek was observed during a non-drought period.
- g. The history of the creek is unknown. It does not appear to have been existent in 1874 and does appear on the 1938 USGS aerial. The appearance of the ditch does not seem to be natural but rather a method to drain the wetland located adjacent to the ditch between Cedar Street and Oyster Bay Lane.
- h. The stream does not flow through a lake or pond in this area to require the need to determine the boundary.

**Other:**

The groundwater in Chatham was very interesting in 2016.

- The monitoring well showed levels below average but above Advisory Drought Status.
- The local ponds that intercept groundwater were at or above average levels.



- The monitoring well is within the area of depression of the municipal wellfield and the municipal water usage has been on the high side.
- The lack of rain during the summer left the near surface water levels very scant.
- Drought was reported in Massachusetts during 2016 and the monitoring wells off Cape revealed depleted groundwater levels.
- Chatham did not reach Advisory Drought Status until the end of August. It was out of Advisory Drought Status for the first few days in September.
- Currently, based on the well within the area of depression of the municipal wells, the Town of Chatham is in Drought Status.
- The groundwater intercepting ponds are still at average heights.

### **Conclusion:**

The creek in question meets many of the characteristics of a river. Unfortunately it does not meet the fundamental requirement that it flows throughout the year. Based on the evidence provided and 310 CMR 10.58(2)(a)1.d:

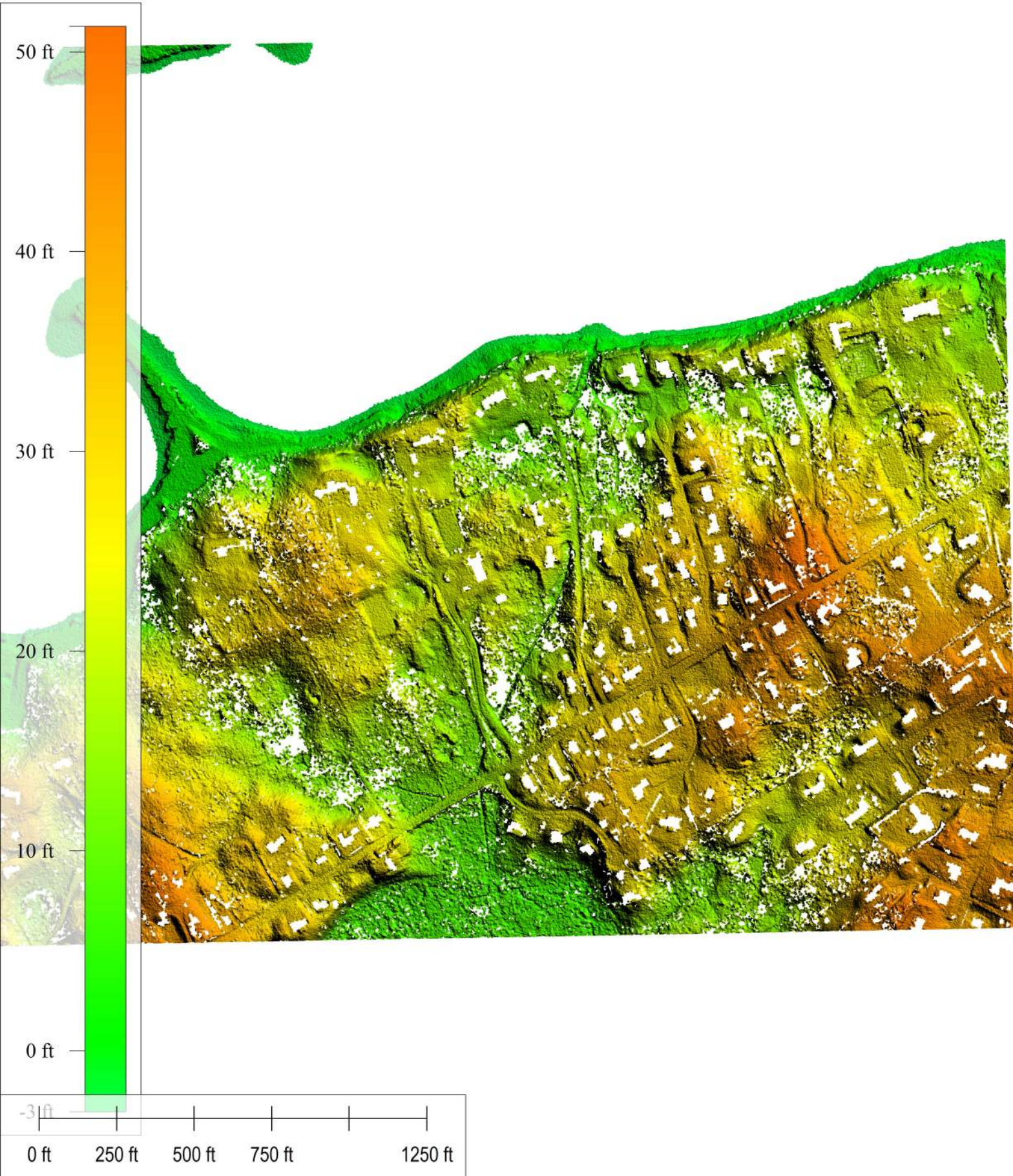
d. Notwithstanding 310 CMR 10.58(2)(a)1.a. through c., **the issuing authority shall find that any stream is intermittent based upon a documented field observation that the stream is not flowing.** A documented field observation shall be made by a competent source and shall be based upon an observation made at least once per day, over four days in any consecutive 12 month period, during a non-drought period on a stream not significantly affected by drawdown from withdrawals of water supply wells, direct withdrawals, impoundments, or other human-made flow reductions or diversions. Field observations made after December 20, 2002 shall be documented by field notes and by dated photographs or video. Field observations made prior to December 20, 2002 shall be documented by credible evidence. All field observations shall be submitted to the issuing authority with a statement signed under the penalties of perjury attesting to the authenticity and veracity of the field notes, photographs or video and other credible evidence. Department staff, conservation commissioners, and conservation commission staff are competent sources; issuing authorities may consider evidence from other sources that are determined to be competent.

USGS Map



Cedar Street Area

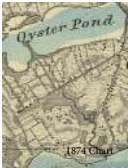
# SURFACE MODEL



Cedar Street Area



1938 Aerial  
Photograph



Oyster Pond

1874 Chart



# WATERSHED



Cedar Street Area

Peggy Fantozzi

Land Use Permitting

25 Shore Road

Bourne, Massachusetts 02532

508-759-2248

[prfp3@aol.com](mailto:prfp3@aol.com)

508-737-9039

## SITE INSPECTION REPORT

### 63 Oyster Bay Lane

On February 25, 2013 I inspected #63 Oyster Bay Lane (13C-18-3B) in Chatham, Massachusetts for the purpose of identifying wetland resource areas on or immediately adjacent to that site. Based on the inspection I observed an intermittent stream/ditch/swale with fringing wetland vegetation at #51 Oyster Bay Lane (13C-18-3A); a ditch with fringing wetland vegetation at #39 Windsong Landing (13C-22F-W6); and a stream and constructed pond with fringing wetland vegetation at #63 and #107 Oyster Bay Lane (13C-20-3C). Three vegetated wetland resource areas were flagged.

#### Vegetated Wetland Area A: - #51 Oyster Bay Lane

The wetland resource areas located at this site consist of an intermittent stream/ditch/swale and fringing vegetated wetland. Based on direct observation and discussions with the property owner, the existing ditch is maintained and cleared annually by the Cape Cod Mosquito Control. This is evidenced by vegetative cuttings in, and slash adjacent to, the ditch. The ditch and adjacent slope have been altered by human activity. At the time of observation, no water was present in the northerly portion of the ditch. A bordering vegetation line was flagged. The DEP delineation forms and a representative photo are attached.

#### Vegetated Wetland Area B: - #63/#107 Oyster Bay Lane

The wetland resource areas located on these properties include what appears to be a man-made pond, a stream, and a bordering vegetated wetland. The sections of stream observed appeared to be at a full bank stage and flowing toward the northeast. This stream is best defined as a river in accordance with 310CMR10.00. The ponded water body to the north appears to have been shaped by human activity/modification. No attempt to delineate the ponded area boundaries was made as the wetland resource areas significant to the subject site (#63 Oyster Bay Lane) are the stream/river and bordering vegetated wetland. The stream and bordering vegetated wetland resource areas located on these properties appear not to have been altered in recent times. The bordering vegetated wetland located to the south of the stream and ponded area, was flagged. The edge of the bordering vegetated wetland was determined by wetland vegetation and signs of hydrology, adjacent upland areas were



confirmed by soils and vegetative changes. The DEP delineation forms and representative photos are attached.

#### Vegetated Wetland Area C: - # 39 Windsong Landing

The wetland resource areas located on this site include a ditch and fringing vegetated wetland. The ditch has been constructed/alterd to effectively drain adjacent areas. Much of the adjacent southerly vegetated wetland areas exist as perched, non-wetland functioning areas dominated by facultative vegetation that appears to be sustained by perched and/or very slow permeable soils. Large portions of this wetland vegetation area appears to be clear cut/maintained at least annually. Some areas of this vegetated wetland area to the north are less altered by ongoing human activity and appear to be fed by adjacent stream flow and frequent surface ponding due to very slowly draining soils. Most of the vegetated wetland area across the street from #63 Oyster Bay Lane is further separated by a maintained walking path. The edges of the existing altered vegetated wetland were flagged based on hydrology, topography, and vegetation. Given the highly altered characteristics of this wetland a DEP delineation form was not completed. Representative photos are attached.

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field

Applicant: Sullivan Prepared By: RAT Project Location: 65 Oyster Bay Lane DEP File #: \_\_\_\_\_  
 #:

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

Upland

Section I. Vegetation Observation Plot Number: Wetland A Transect Number: (A) WU1 Date of Delineation: 2/25/13

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent cover (or basal area)	C. Percent Dominance (yes or no)	D. Dominant Plant	E. Wetland Indicator Category*
<u>TREES:</u>				
<u>Pitch Pine (Pinus rigida)</u>	10.5	34	Y	FACU
<u>Choke cherry (Prunus virginiana)</u>	20.5	66	Y	FACU
<u>SHRUBS:</u>				
<u>Honeysuckle (Lonicera japonica)</u>	38.0	50	Y	FACU
<u>Landscaped shrubs</u>	38.0	50	Y	Upl
<u>HERBACEOUS:</u>				
<u>Lawn grass</u>	100	100	Y	Upl

\* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 0 Number of dominant non-wetland plants: 5 NO: X  
 Is the number of dominant wetland plants equal or greater to the number of dominant non-wetland plants?

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Form

Applicant: Sullivan Prepared By: TRF Project Location: 63 Cystic Bay Lane DEP File #: \_\_\_\_\_

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

WPLAND

Section I. Vegetation Observation Plot Number: Wetland B Transect Number: B1/VW56 Date of Delineation: 2/25/13

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<u>TREE:</u> chokecherry ( <i>Prunus virginiana</i> )	20.5	100%	Y	FACU
<u>SHRUB LAYER:</u> high bush blueberry ( <i>Vaccinium corymbosum</i> )	38.0	47%	Y	FACW*
honeysuckle ( <i>Lonicera japonica</i> )	38.0	47%	Y	FAC-
greenbrier ( <i>Smilax rotundifolia</i> )	3.0	6%	N	FAC*
<u>HERBACEOUS:</u> organic leaf/twigs			-	N/A

\* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:  
Number of dominant wetland indicator plants: 1 / 2 Number of dominant non-wetland plants: 2  
Is the number of dominant wetland plants equal or greater to the number of dominant non-wetland plants? Yes: \_\_\_\_\_ NO: X

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Form

Applicant: Sullivan Prepared By: TRF Project Location: 63 Cystic Bay Lane DEP File #: \_\_\_\_\_

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

WPLAND

Section I. Vegetation Observation Plot Number: Wetland B Transect Number: B1/VW56 Date of Delineation: 2/25/13

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<u>TREE:</u> chokecherry ( <i>Prunus virginiana</i> )	20.5	100%	Y	FACU
<u>SHRUB LAYER:</u> high bush blueberry ( <i>Vaccinium corymbosum</i> )	38.0	47%	Y	FACW*
honeysuckle ( <i>Lonicera japonica</i> )	38.0	47%	Y	FAC-
greenbrier ( <i>Smilax rotundifolia</i> )	3.0	6%	N	FAC*
<u>HERBACEOUS:</u> organic leaf/twigs			-	N/A

\* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:  
Number of dominant wetland indicator plants: 1 / 2 Number of dominant non-wetland plants: 2  
Is the number of dominant wetland plants equal or greater to the number of dominant non-wetland plants? Yes: \_\_\_\_\_ NO: X

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  yes  no

title/date: Soil Survey of Barnstable County 1923  
map number: 24

soil type mapped: B0B

hydric soil inclusions:

Are field observations consistent with soil survey?  yes  no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
O	0-1	1 of 1.5Hx	N/A
A	1-8	10YR 5/2 greyish brown	N/A
B	8-18	10YR 4/2 brown	N/A

Remarks:

3. Other:

Conclusion: Is soil hydric?  yes  no

- Site inundated: no
- Depth to free water in observation hole: no water observed
- Depth to soil saturation in observation hole: no mattering observed
- Water marks: N/A
- Drift lines: N/A
- Sediment deposits: N/A
- Drainage patterns in BWV: N/A
- Oxidized rhizospheres: N/A
- Water-stained leaves: N/A
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):

Other:

Vegetation and Hydrology Conclusion

Number of wetland indicator plants  yes  no  
 ≥ number of non-wetland indicator plants

Wetland hydrology present:  
hydric soil present

other indicators of hydrology present

Sample location is in a BWV

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Form

Applicant: Sullivan Prepared By: ACE Project Location: 63 Oyster Bay Lane DEP File #: \_\_\_\_\_  
 Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

WETLAND

Section I. Vegetation Observation Plot Number: Wetland B Transect Number: B/VW 5/6 Date of Delineation: 2/25/13

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<u>SHRUB LAYER:</u> High bush blueberry ( <i>Vaccinium corymbosum</i> )	85.5		Y	FACW*
green brier ( <i>Saxifraga rotundifolia</i> )	10.5		N	FAC #

HERBACEOUS LAYER:  
leaf litter, some localized puddling

\* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

**Vegetation conclusion:**  
 Number of dominant wetland indicator plants: 1 Number of dominant non-wetland plants: 0  
 Is the number of dominant wetland plants equal or greater to the number of dominant non-wetland plants? Yes:  No:





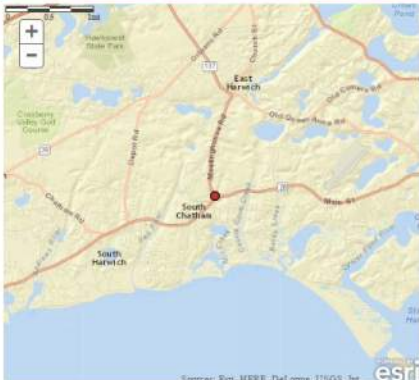












Source: Esri, HERE, DeLorme, USGS, Im



Groundwater Watch Help Page

**DESCRIPTION:**

Latitude 41°41'00", Longitude 70°01'11" NAD27  
 Barnstable County, Massachusetts, Hydrologic Unit 01090002  
 Well depth: 44.0 feet  
 Hole depth: 45.0 feet  
 Land surface altitude: 35.28feet above NGVD29.  
 Well completed in "Sand and gravel aquifers (glaciated regions)" (N100GLCIAL) national aquifer.  
 Well completed in "Outwash" (1120TSH) local aquifer.

**AVAILABLE DATA:**

Data Type	Begin Date	End Date	Count
Current / Historical Observations	2012-05-24	2016-11-05	
Daily Data			
Depth to water level, feet below land surface	2012-05-24	2016-11-04	1617
Daily Statistics			
Depth to water level, feet below land surface	2012-05-24	2016-04-05	1404
Monthly Statistics			
Depth to water level, feet below land surface	2012-05	2016-04	
Annual Statistics			
Depth to water level, feet below land surface	2012	2016	
Field groundwater-level measurements	1962-11-29	2016-07-08	624
Water-Year Summary	2005	2015	11

**Additional Data Sources**

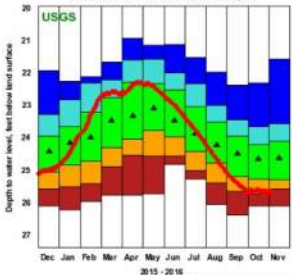
Additional Data Sources	Begin Date	End Date	Count
Groundwater Watch **offsite**	1962	2016	2233

**OPERATION:**

Record for this site is maintained by the USGS Massachusetts Water Science Center  
 Email questions about this site to [Massachusetts.Water.Science.Center@usgs.gov](mailto:Massachusetts.Water.Science.Center@usgs.gov)  
 Center Water-Data Inquiries

**Site Statistics**

414100070011101 - MA-CGW 138 CHATHAM, MA



Plotted created 11/05/16 13:24

● Data Point

● 10 25 50 75 90

● Monthly Median

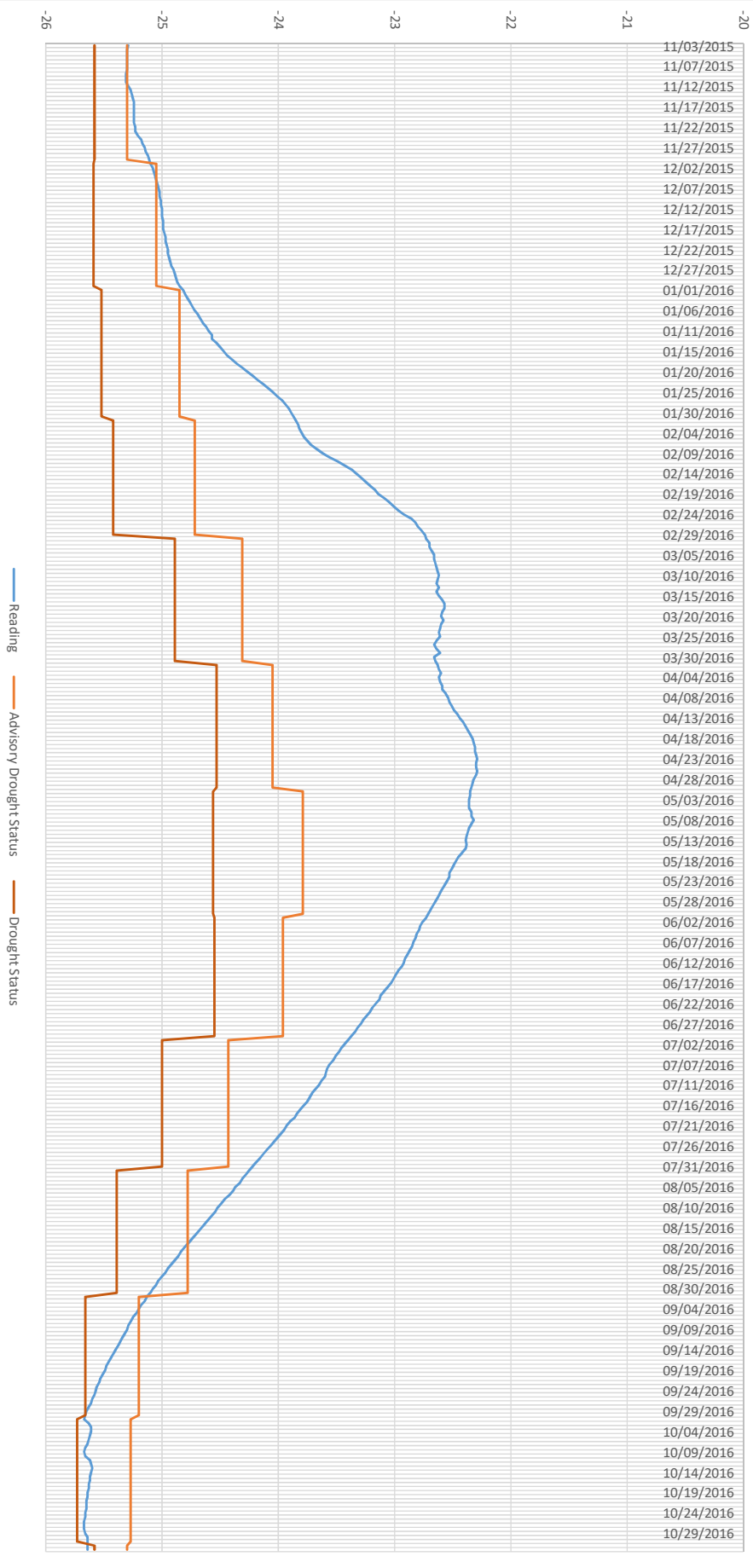
Most recent data value: 25.64 on 11/2/2016  
 Period of Record Monthly Statistics for 414100070011101  
 Depth to water level, feet below land surface  
 All **Approved** Continuous & Periodic Data Used In Analysis  
 Note: **Highlighted** values in the table indicate closest statistic to the most recent data value.

Month	Lowest 10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	Highest 90th %ile	Number of Years
Jan	26.22	25.52	24.85	24.16	23.65	22.84	22.26
Feb	25.96	25.42	24.72	23.99	23.22	22.31	22.12
Mar	25.76	24.89	24.31	23.48	22.75	22.22	21.68
Apr	25.77	24.53	24.05	23.32	22.28	21.61	20.94
May	25.73	24.56	23.70	23.10	22.33	21.58	21.15
Jun	24.81	24.55	23.96	23.47	22.53	22.00	21.13
Jul	25.26	25.00	24.43	23.87	23.04	22.33	21.52
Aug	26.05	25.39	24.78	24.24	23.51	22.99	21.98
Sep	26.38	25.66	25.20	24.48	23.95	23.45	22.39
Oct	26.10	25.73	25.27	24.65	24.21	23.67	22.30
Nov	26.10	25.58	25.30	24.62	24.12	23.56	21.58
Dec	26.11	25.59	25.05	24.42	23.94	23.27	21.94

**Statistics Options**

View month/year statistics

# CGW-138 GROUNDWATER STATUS 2016



Creek Observations

08-15-2016







09-01-2016



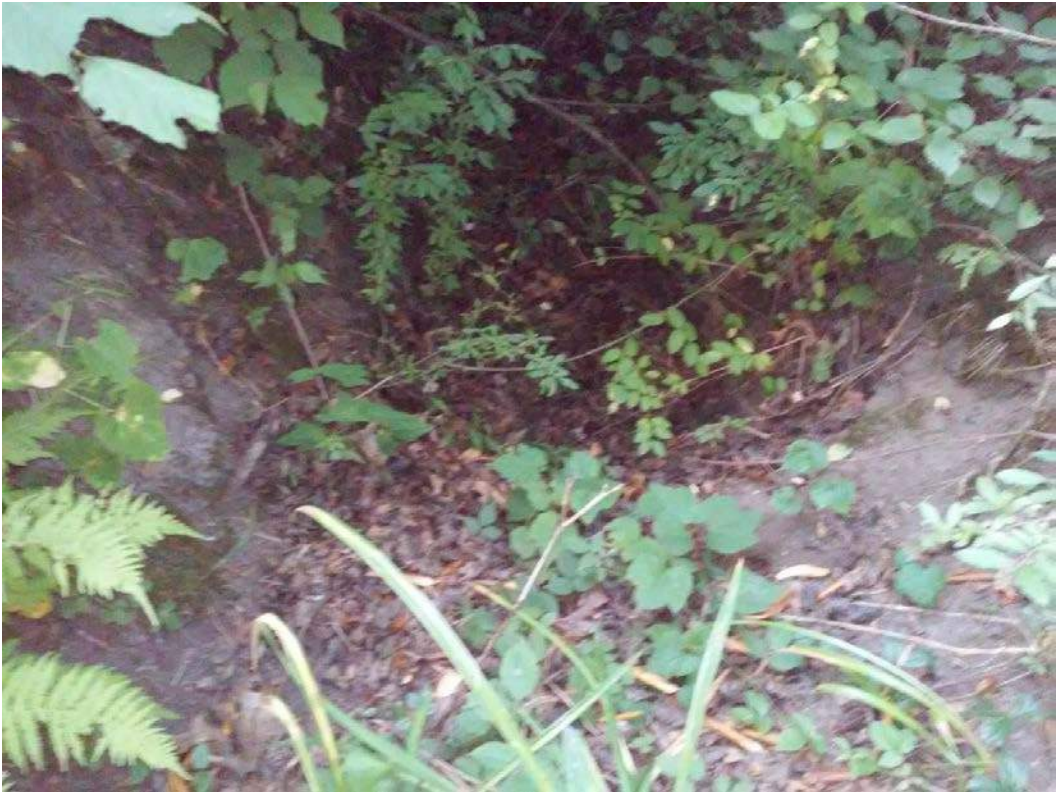


09-03-2016





09-04-2016





The following is data from the USGS Groundwater Watch on the days of observation.

Date	Reading	Advisory Drought Status	Drought Status	In Drought?
08/15/2016	-24.66	-24.78	-25.39	No
09/01/2016	-25.13	-25.20	-25.66	No
09/02/2016	-25.15	-25.20	-25.66	No
09/03/2016	-25.18	-25.20	-25.66	No
09/04/2016	-25.20	-25.20	-25.66	No

Oyster Bay Lane  
Stream Observations  
Sunny Clear 86°  
8-15-16

A1

Water @ Ground Level  
No flow observed,  
stagnant

A2

No water observed  
No signs of flowage  
leaves in ditch show no  
discoloration

*Rite in the Rain*

B1

No Signs of Flowage  
Stream Bed dry at culvert  
on westerly side of street

B2

No signs of flowage  
Stream Bed dry on easterly  
side of street

*Rite in the Rain*



Stream Observations

Oyster Bay Lane

09-01-2016 71° Light Rain

1 Bed dry at culvert  
no signs of water/flowage

2 Bed dry no signs of  
flowage

3 Bed dry no signs of  
flowage at culvert

4 Bed dry no signs of  
flowage at culvert

Rite in the Rain

Sullivan

9-2-2016

72° Sunny

Oyster Bay Lane

1 Bed at culvert damp soils  
no signs of water/flowage

2 Bed dry no signs of water/  
flowage

3 Bed dry at culvert no  
signs of water/flowage

4 Bed dry at culvert no  
signs of water/flowage

Rite in the Rain

Sullivan

Oyster Bay Lane

9-3-2016 72° Cloudy

1. Bed at culvert damp soils  
no signs of water/flowage

2 Bed dry no signs of water/  
flowage

3 Bed at culvert dry no  
signs of water/flowage

4 Bed at culvert dry no  
signs of water/flowage

Sullivan

9-4-2016

68° cloudy

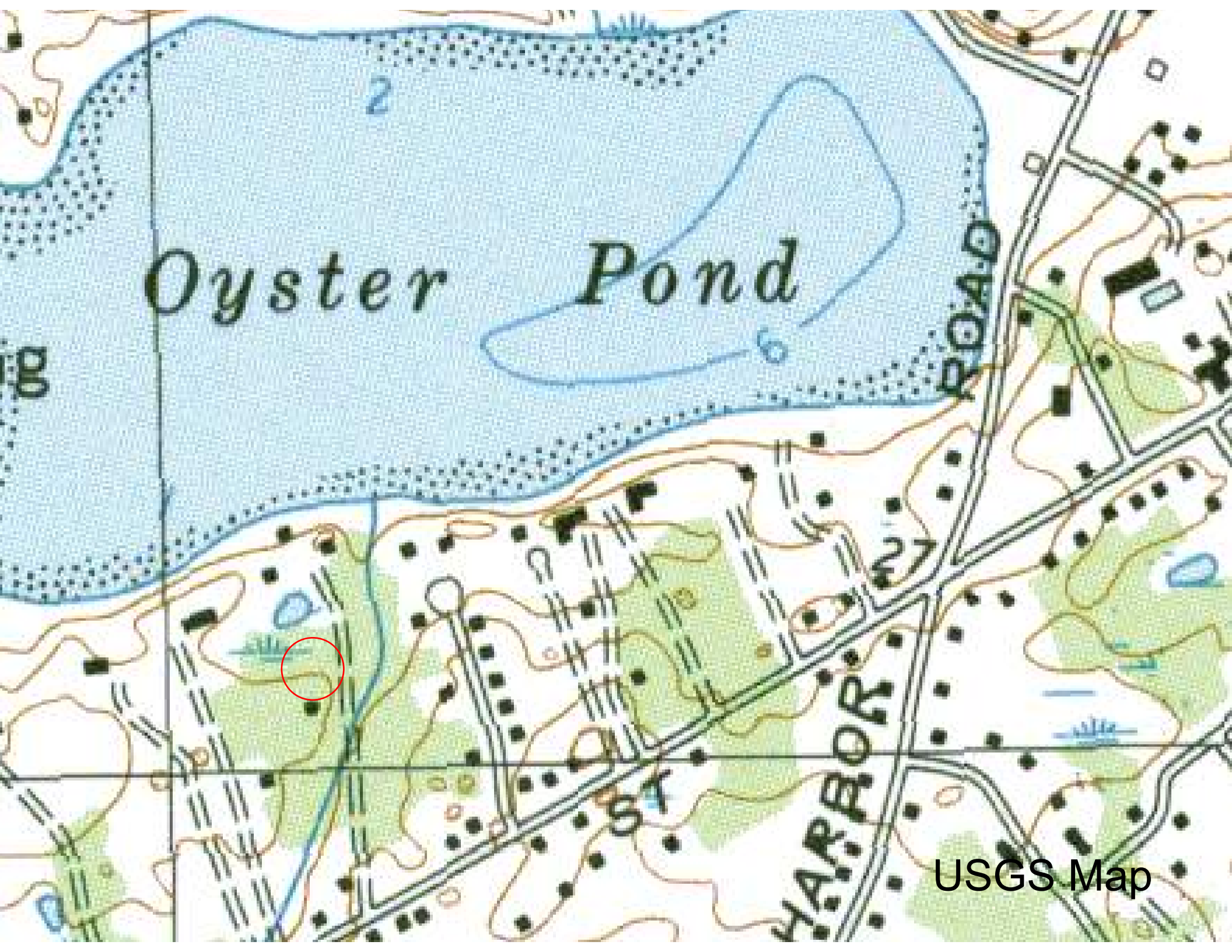
Oyster Bay Lane

1. Bed at culvert damp soils  
no signs of water/flowage

2 Bed dry no signs of water/  
flowage

3 Bed at culvert dry no  
signs of water/flowage

4 Bed at culvert dry no  
signs of water/flowage

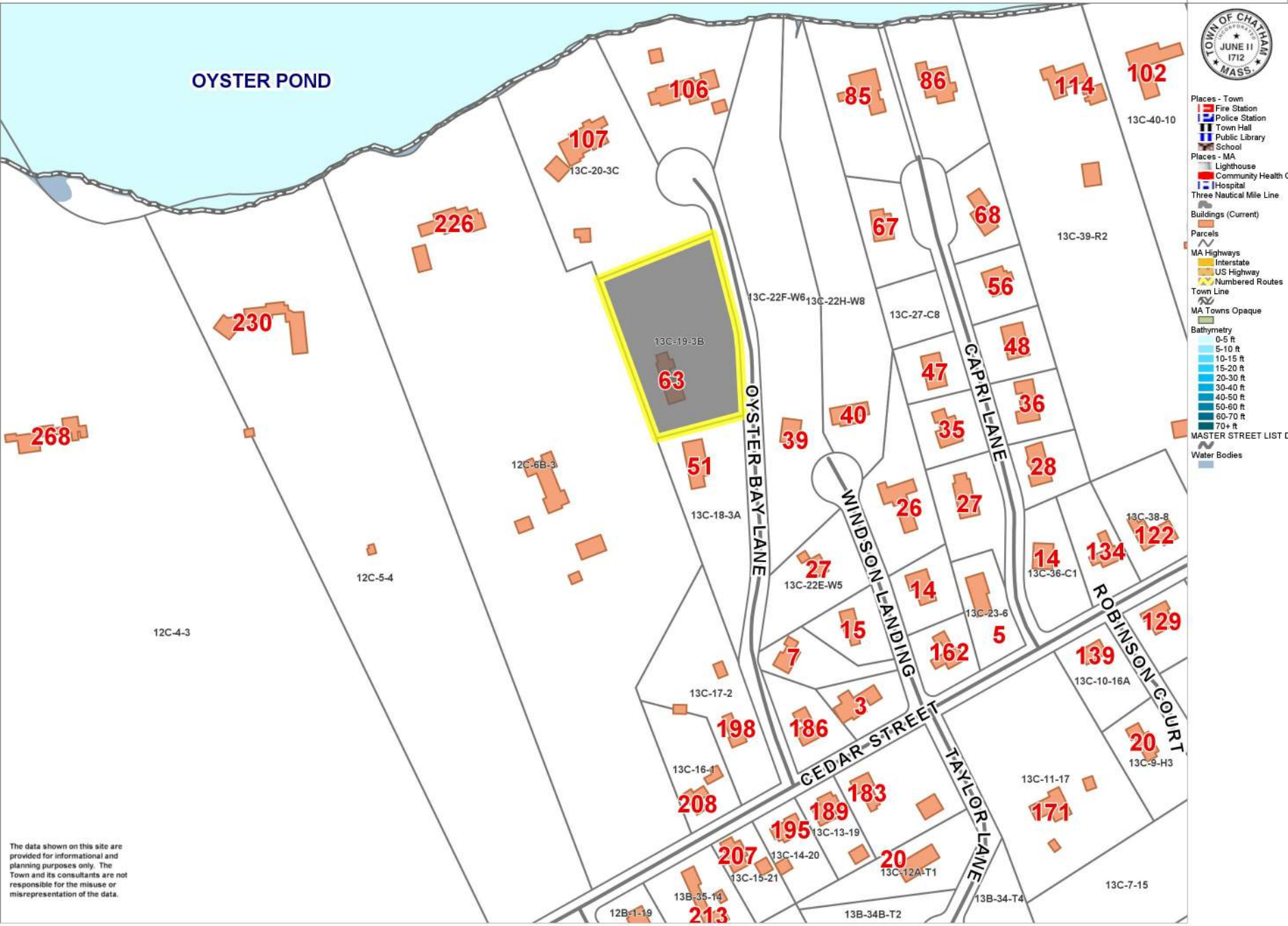


Oyster Pond

USGS Map



OYSTER POND



- Places - Town
  - Fire Station
  - Police Station
  - Town Hall
  - Public Library
  - School
- Places - MA
  - Lighthouse
  - Community Health Center
  - Hospital
- Three Nautical Mile Line
- Buildings (Current)
- Parcels
- MA Highways
  - Interstate
  - US Highway
  - Numbered Routes
- Town Line
- MA Towns Opaque
- Bathymetry
  - 0-5 ft
  - 5-10 ft
  - 10-15 ft
  - 15-20 ft
  - 20-30 ft
  - 30-40 ft
  - 40-50 ft
  - 50-60 ft
  - 60-70 ft
  - 70+ ft
- MASTER STREET LIST DPV
- Water Bodies

The data shown on this site are provided for informational and planning purposes only. The Town and its consultants are not responsible for the misuse or misrepresentation of the data.

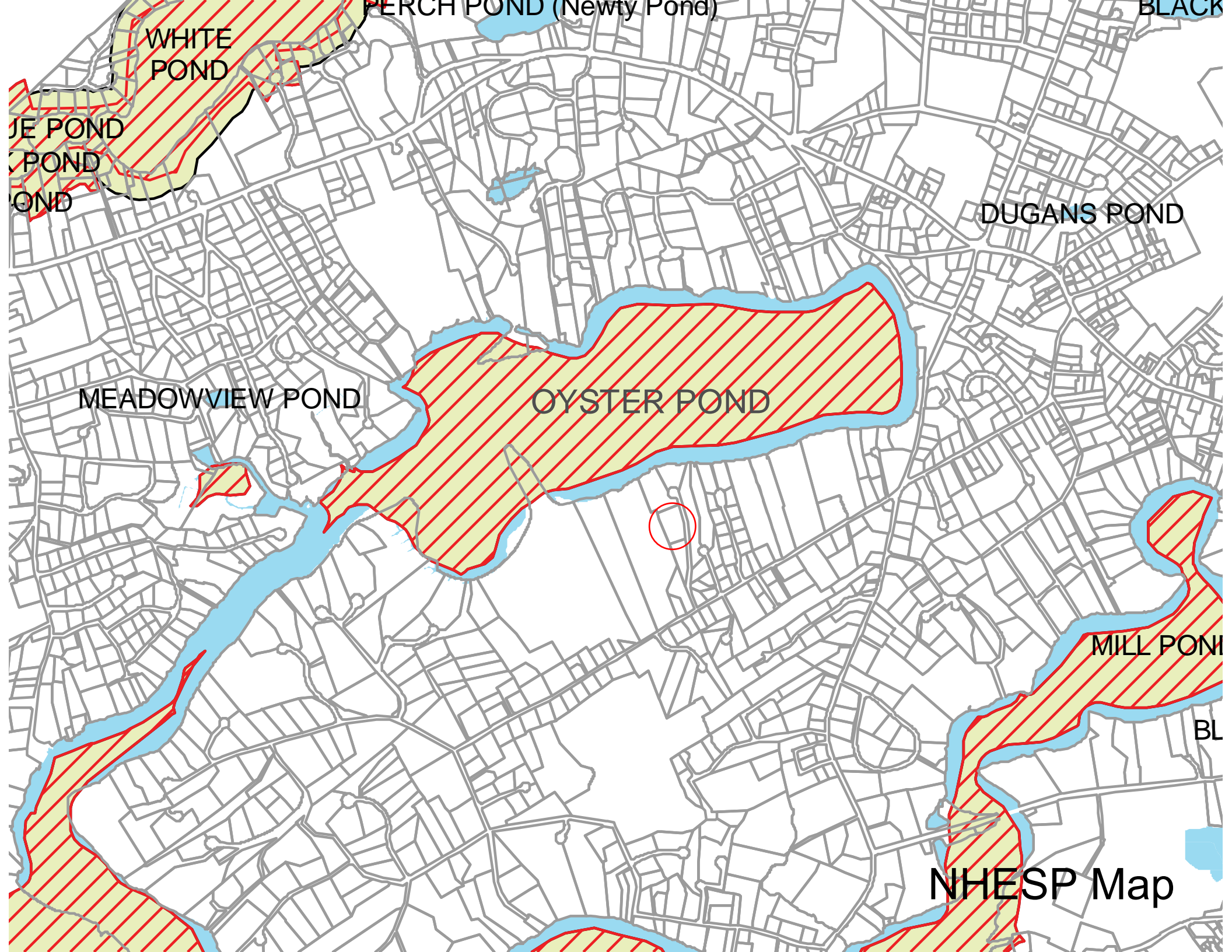
0 270 540 ft

Printed on 09/22/2016 at 04:22 PM

Chatham MapsOnline



DEM Map



WHITE POND

JE POND  
POND  
OND

PERCH POND (Newty Pond)

BLACK

DUGANS POND

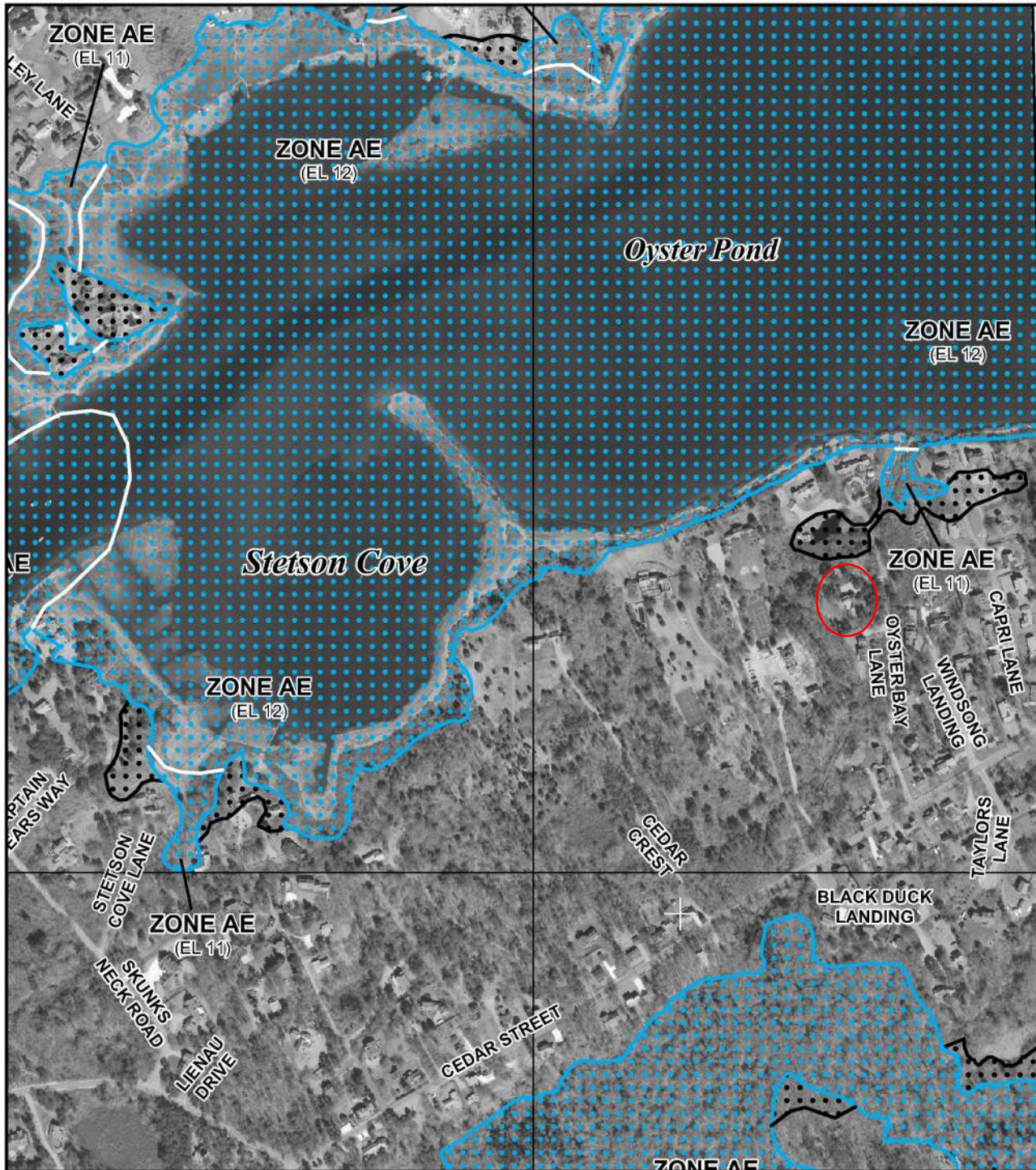
MEADOWVIEW POND

OYSTER POND

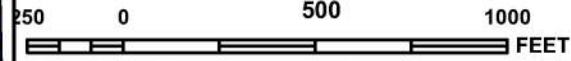
MILL POND

BL

NHESP Map



MAP SCALE 1" = 500'



PANEL 0636J

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**BARNSTABLE COUNTY,**  
**MASSACHUSETTS**  
**(ALL JURISDICTIONS)**

**PANEL 636 OF 875**  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CHATHAM, TOWN OF	250004	0636	J

-NOTE-  
 THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
**25001C0636J**  
**EFFECTIVE DATE**  
**JULY 16, 2014**

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

**REQUEST FOR ABUTTERS' LIST**

DATE REQUESTED September 22, 2016

LOCATION OF **SUBJECT** PROPERTY 63 Oyster Bay Lane

REQUEST FOR ABUTTERS WITHIN **HOW MANY FEET** OF SUBJECT PROPERTY 100'

PURPOSE FOR ABUTTERS' LIST Conservation Commission filing

NAME OF PERSON(S) REQUESTING ABUTTERS' LIST Marija S. Eldredge  
PLEASE PRINT

SIGNATURE *Marija S. Eldredge*

TELEPHONE NUMBER 508-945-3965

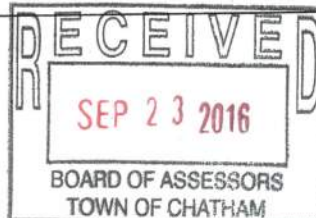
508 945-3550

**FOR ASSESSORS' USE ONLY**

ABUTTERS' LIST COMPLETED BY: APK.

DATE COMPLETED 9/23/16

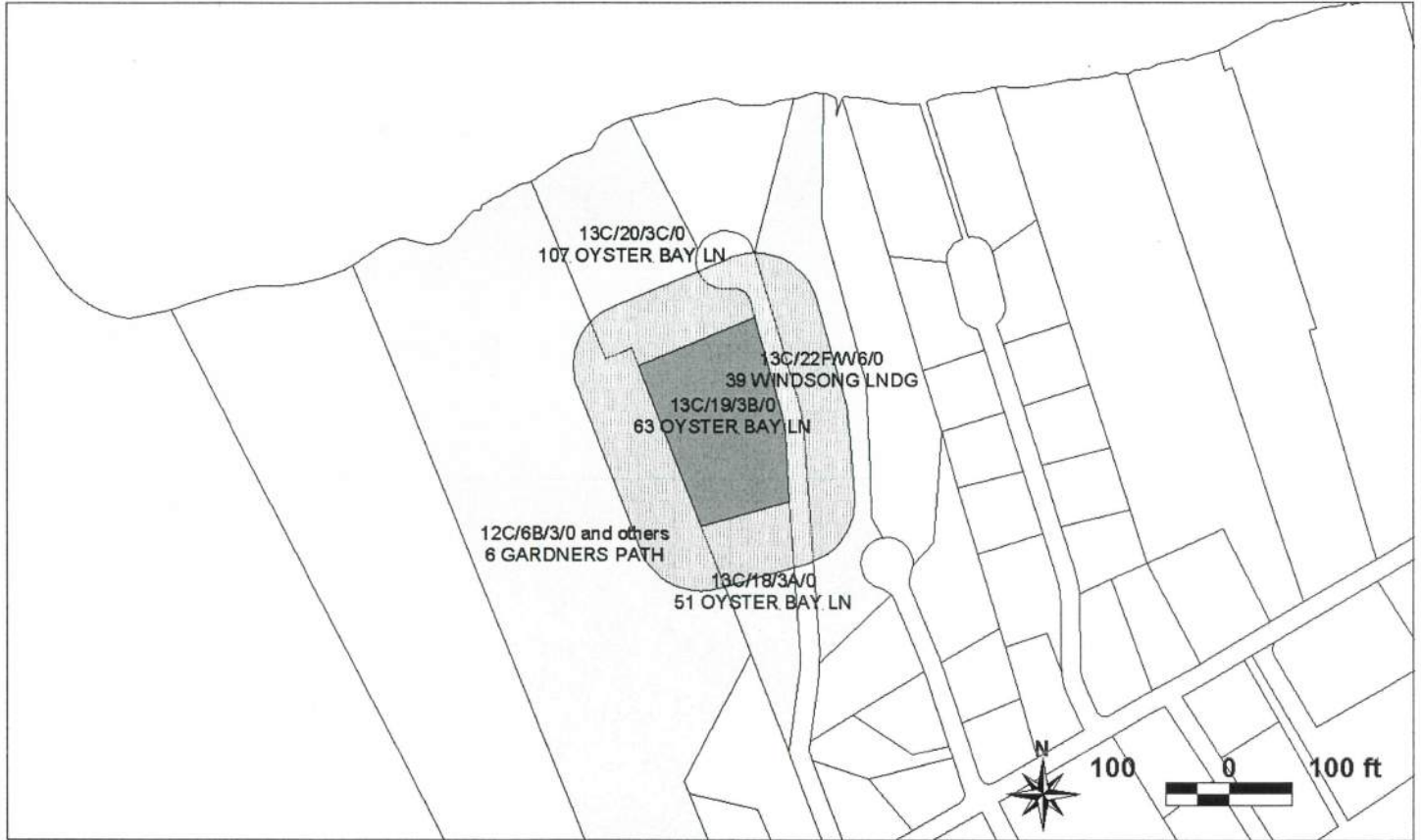
PARCEL ID OF SUBJECT PROPERTY 13C - 19 - 3B



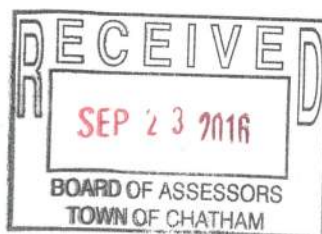


TOWN OF CHATHAM, MA  
 BOARD OF ASSESSORS  
 549 MAIN STREET CHATHAM MA 02633

Abutters List Within 100 feet of Parcel 13C/19/3B/0



Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
1094	12C-6-5-0-R	GARDNER M DOZIER MARGARET B GARDNER	48 GARDNERS PATH	220A ALLANDALE RD	CHESTNUT HILL	MA	02467
13218	12C-6A-2-0-R	GARDNER M DOZIER MARGARET B GARDNER	14 GARDNERS PATH	220A ALLANDALE RD	CHESTNUT HILL	MA	02467
13220	12C-6B-3-0-R	GARDNER M DOZIER MARGARET B GARDNER	6 GARDNERS PATH	220A ALLANDALE RD	CHESTNUT HILL	MA	02467
1620	13C-20-3C-0-R	OYSTER BAY LANE LLC	107 OYSTER BAY LN	2210 EAST MABEL STREET	TUCSON	AZ	85719
1618	13C-19-3B-0-R	SULLIVAN REGINA C	63 OYSTER BAY LN	8 MONADNOCK RD	WELLESLEY	MA	02481
1617	13C-18-3A-0-R	PETERSON JOHN H LOUISA M PETERSON	51 OYSTER BAY LN	51 OYSTER BAY LN	CHATHAM	MA	02633
1627	13C-22F-W6-0-R	PETER T HAHN TRUST 1/2 KATHLEEN A PETERSON TRUST 1/2	39 WINDSONG LNDG	380B POST RD	WAKEFIELD	RI	02879





12C-6-5-0-R

GARDNER M DOZIER  
MARGARET B GARDNER  
220A ALLANDALE RD  
CHESTNUT HILL, MA 02467

12C-6A-2-0-R

GARDNER M DOZIER  
MARGARET B GARDNER  
220A ALLANDALE RD  
CHESTNUT HILL, MA 02467

12C-6B-3-0-R

GARDNER M DOZIER  
MARGARET B GARDNER  
220A ALLANDALE RD  
CHESTNUT HILL, MA 02467

13C-20-3C-0-R

OYSTER BAY LANE LLC  
2210 EAST MABEL STREET  
TUCSON, AZ 85719

13C-19-3B-0-R

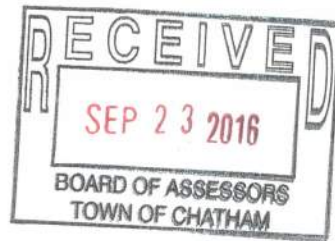
SULLIVAN REGINA C  
8 MONADNOCK RD  
WELLESLEY, MA 02481

13C-18-3A-0-R

PETERSON JOHN H  
LOUISA M PETERSON  
51 OYSTER BAY LN  
CHATHAM, MA 02633

13C-22F-W6-0-R

PETER T HAHN TRUST 1/2  
KATHLEEN A PETERSON TRUST 1/2  
380B POST RD  
WAKEFIELD, RI 02879



***ELDREDGE SURVEYING  
& ENGINEERING, LLC***

1038 Main Street  
Chatham, Massachusetts 02633

## **Notice of Public Hearing**

**To:** Abutters to 63 Oyster Bay Lane (see list enclosed)  
**From:** Marija S. Eldredge  
**Date:** November 8, 2016  
**Subject:** Request for Determination of Applicability  
**Parcel ID 13C-19-3B, 63 Oyster Bay Lane**

---

The Chatham Conservation Commission will be holding a public hearing at the **Town Annex, 261 George Ryder Road on Wednesday, November 30, 2016 at or after 7:00pm** on the application of **Regina C. Sullivan** to determine whether a ditch extending from Cedar Swamp to Oyster Pond contains an intermittent stream or perennial stream.

The details of the project will be presented at the hearing and comment may be offered to the Conservation Commission either by attending this hearing or sending a letter to the Commission. The plan and application describing the project are on file with the Conservation Commission at 261 George Ryder Road or you may contact the Commission with any questions at 508-945-5164.

**Copy:** Chatham Conservation Commission  
DEP

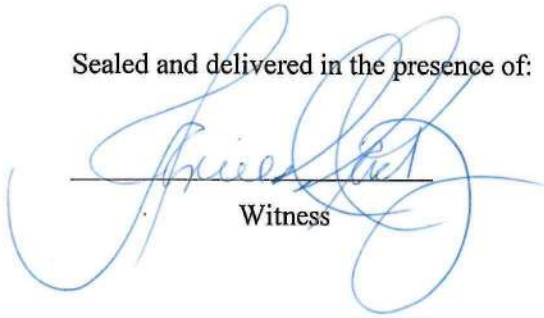
Y:\Clients\Sullivan, Regina 4188\Conservation\Request for Determination\04 Notify Abutter form.docx

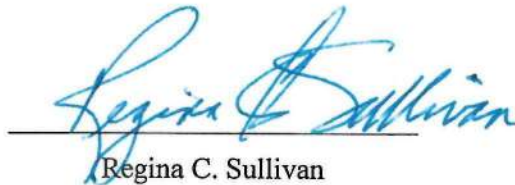
## LIMITED POWER OF ATTORNEY

I, Regina C. Sullivan of 80 Monadnock Road, Wellesley, Massachusetts, 02481, appoint J. THADDEUS ELDREDGE, PLS, and/or his employees, Attorney-in-fact and in my name, grant unto the said J. THADDEUS ELDREDGE, PLS, and/or his employees full power and authority to do and perform all and every act and thing whatsoever requisite and necessary to be done relevant to the filing of, and representation of plans and applications before the Town of Chatham Conservation Commission for property located on 63 Oyster Bay Lane, Chatham, Massachusetts, to all intents and purposes as I might or could do if personally present, hereby ratifying and confirming all that the said J. THADDEUS ELDREDGE, PLS and/or his employees shall lawfully do or cause to be done.

IN WITNESS WHEREOF I have set my hand and seal this 26th day of October 2016.

Sealed and delivered in the presence of:

  
\_\_\_\_\_  
Witness

  
\_\_\_\_\_  
Regina C. Sullivan



TOWN OF CHATHAM  
Conservation Commission

## SITE ACCESS AUTHORIZATION

Date: November 8, 2016  
Project: River determination  
Location: 63 Oyster Bay Road  
Property Owner: Regina C. Sullivan

I (We) hereby authorize the individual members of the Chatham Conservation Commission and its agents to enter upon the referenced property for the purpose of gathering information regarding the application filed with the Commission pursuant to the Wetlands Protection Act (MGL Ch 131, s. 40) and/or the Chatham Wetlands Protection Bylaw (Chapter 37).

Additionally, if an Order of Conditions is issued for the project, I (we) grant permission for Commission members and the Commission's agents to enter the above referenced property for the purpose of inspecting for compliance with the Order of Conditions. This site access authorization is valid until a Certificate of Compliance is issued by the Conservation Commission.

Authorized Signature:  Date: November 8, 2016

Please Print: J. Thaddeus Eldredge, PLS

(If other than owner, please state whether tenant, agent or other)

**ELDREDGE SURVEYING  
& ENGINEERING, LLC**

1038 Main Street  
Chatham, Massachusetts 02633  
508-945-3508-945-3965; Fax 508-945-5885; email: [office@ESE-LLC.com](mailto:office@ESE-LLC.com)

7016 1370 0002 3567 1467

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

CHATHAM, MA 02633

Certified Mail Fee	\$3.30
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.47
Total Postage	\$3.77

Sent To: PETERSON JOHN H  
LOUISA M PETERSON  
51 OYSTER BAY LN  
CHATHAM, MA 02633

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 1370 0002 3567 1450

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

CHESTNUT HILL, MA 02467

Certified Mail Fee	\$3.30
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.47
Total Postage	\$3.77

Sent To: GARDNER M DOZIER  
MARGARET B GARDNER  
220A ALLANDALE RD  
CHESTNUT HILL, MA 02467

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 1370 0002 3567 1443

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

TUCSON, AZ 85719

Certified Mail Fee	\$3.30
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.47
Total Postage	\$3.77

Sent To: OYSTER BAY LANE LLC  
2210 EAST MABEL STREET  
TUCSON, AZ 85719

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 1370 0002 3567 0580

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

WAKEFIELD, RI 02879

Certified Mail Fee	\$3.30
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.47
Total Postage	\$3.77

Sent To: PETER T HAHN TRUST 1/2  
KATHLEEN A PETERSON TRUST 1/2  
380B POST RD  
WAKEFIELD, RI 02879

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 1370 0002 3567 1474

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

LAKEVILLE, MA 02347

Certified Mail Fee	\$3.30
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$3.04
Total	\$6.34

Sent To: Department of Environmental Protection  
20 Riverside Drive  
Lakeville, MA 02347

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions