The Jillson Company, Inc.

P.O. Box 2135
Framingham, MA 01703
(781) 400-5946x1

32 Fremont St. Suite 200
Needham, MA 02494
koleary@jillsoncompany.com

August 28, 2019

Riverfront De-listing Request for Determination of Applicability

Project Site:
No. 215 Glezen Lane, Wayland, Mass.

Owners:
William & Leslie Jacques
215 Glezen Lane
Wayland, MA 01778

Prepared For:
Leslie Jacques
215 Glezen Lane
Wayland, MA 01778

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Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Wayland
City/Town

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:

Leslie (Name)	lrjacques215@gmail.com (E-Mail Address)
215 Glezen Ln (Mailing Address)	
Wayland (City/Town)	MA (State) 01778 (Zip Code)
508-728-3676 (Phone Number)	(Fax Number (if applicable))

2. Representative (if any):

The Jillson Company, Inc. (Firm)	
Kevin O'Leary (Contact Name)	koleary@jillsoncompany.com (E-Mail Address)
P.O. Box 2135 (Mailing Address)	
Framingham (City/Town)	MA (State) 01703 (Zip Code)
781-400-5946 (Phone Number)	(Fax Number (if applicable))

B. Determinations

1. I request the Wayland (Conservation Commission) make the following determination(s). Check any that apply:

☒ 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:

Wayland
Name of Municipality

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

C. Project Description

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

215 Glezen Lane Street Address	Wayland City/Town
12 Assessors Map/Plat Number	12-039 Parcel/Lot Number

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

A 400' section of stream located on 215 Glezen Lane, depicted as perennial on USGS Maynard Quad Sheet, is the subject of this filing. The stream flows east to west from a wetland area to Folsom Pond (approximately 1300' west). it runs parallel and to the south of Glezen Lane and crosses under Draper Road about 400' south of Draper and Glezen intersection.

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

See attached Quad Sheet, Town GIS, and Stream Stat print-outs Title	8/12/19 Date
Title	Date
Title	Date

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

No work is proposed under this stream de-listing RDA.

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).

No work proposed.

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.)

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:

Leslie Jacques
Name

215 Glezen Ln
Mailing Address

Wayland
City/Town

MA
State

01778
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.

Leslie Jacques
Signature of Applicant

8/21/2019
Date

Kevin O'Leary
Signature of Representative (if any)

8/27/19
Date

The Jillson Company, Inc.

P.O. Box 2135
Framingham, MA 01703
Phone: (781) 400-5946
koleary@jillsoncompany.com

RDA Project Narrative

Project Address: 215 Glezen Lane, Wayland, Mass.
Project Type: RDA Stream De-Listing (no work proposed)
Owner(s): William & Leslie Jacques
215 Glezen Lane

From the USGS Maynard Quadrangle Sheet, the stream on this property is "Perennial". Based on field observations & Stream Stat analysis performed in accordance with Mass. Wetland Protection Act & Wayland's Wetland Bylaw the stream is determined to be "Intermittent".

#215 Glezen Lane is an 11 acre, generally square shaped, property containing a single family house located on the south side of the road. It has approximately 510 feet of frontage & is around 750 feet deep in a southerly direction. From the high point in the property middle where the house is located elevations descend in all directions. Besides the developed areas of lawn around the house & driveway, the property is mostly wooded but also has a field on the southern side. The subject stream is located along the southern edge of the field.

The property is zoned Single family residential & also in Wayland's Aquifer Protection Overlay Zoning. All nearby & abutting properties are served by town water. Mass. Natural Heritage mapping was also examined & there are not Rare or Endangered Species Priority or Estimated Habitat areas on or near this property. Additionally, there's no local, state or federal floodway areas on or near the property.

Wetland systems on and around this property are across the rear southerly boundary. To the southeast partially on & off the property there's a ponding wetland area draining westerly to the stream channel crossing the property. "Perennial" is the current stream, USGS Maynard Quad Sheet, classification. It's an unnamed, single order stream on & across the property. It flows westerly, under Draper Rd., & into Folsom Pond about 1300' away.

The easterly wetland system providing the seasonal stream flow water supply does not have a control outlet. Water from the ponding area flows into the stream channel most every spring & stops around the beginning of summer.

Across the property the stream channel has sharp, steep banks approximately two to three feet high. The average channel slope is 10%. It's a mineral based stream having very limited organic deposits or ponding areas. Flow velocities are fast & likely several feet/second as a result of the steep channel slopes.

Based on soil maps & topography the parent material is sandy till. On the property & in the surrounding areas 5% - 10% sloping ground is average. Ground water levels in the soil are low. The stream doesn't have the physical ability to provide any flood storage & doesn't have a sustained base flow. For these reasons, surface water interaction with ground water is minimal. Having very limited ability for contributions to the ecosystem it's function & environmental value are low.

In addition to the foregoing, a Stream Stat analysis was performed. Watershed area is 0.086 sq mi or around 55 acres. ½ sq mi or 320 acres is the minimum size for Perennial stream classification. With regard to the minimum predicted flow rate, per Stream Stat methodology, no flow could be computed. The watershed size & soil conditions do not produce a computed flow rate.

Besides the Stream Stat analysis, I monitored & documented the stream flow for 5 consecutive days in August 2017; not during a drought or when rainfall amounts were below average for the 3 prior months. No stream flow was observed. This stream doesn't meet or satisfy the minimum Perennial flow characteristics.

TOWN OF WAYLAND
Conservation Commission
41 COCHITUATE ROAD
WAYLAND, MASSACHUSETTS 01778

CHAPTER 194 Submittal Requirements

Upon submittal of any Bylaw application the applicant(s), property owner (if different), and their representative(s) must sign this checklist.

- [X] Original and one copy of the MA Wetlands Protection Act ("WPA") application and Chapter 194 Bylaw application, including owner(s) signature, the applicant(s) signature, site plan(s), narrative, etc. *

  NOTE: If a WPA Application is not filed, a copy of either a statement as to not applicable (limited generally to buffer zone or bordering land subject to flooding) or a valid Order of Resource Area Determination (ORAD) must be provided with copies.

- [ ] A separate check for all applicable Wetlands Act fees.

- [X] A separate check for all applicable Chapter 194 Bylaw fees.

- [X] A list of the 100' Abutters, certified by the Assessors Office.

- [ ] Evidence of Board of Health receipt of application or approval for all applications with septic work or home renovations.

*A copy of all documents submitted should be provided electronically to conservation@wayland.ma.us

Project Summary

- [ ] A narrative statement describing all of the activities proposed. If work is omitted from the narrative it may not be permitted.

- [X] A narrative summary description of the types of resource areas on or near the site. Omission of resource areas is a basis for denial of the project as being incomplete.

- [ ] A narrative discussion how the project has been designed to minimize impacts to resource areas and how any mitigation has been proposed to better protect or enhance the resource areas during and after construction.

  The Conservation Commission will evaluate the application based on the scope of the project and the potential impacts on the resource area (e.g. a wetland, pond, vernal pool, riverfront area, etc.) The Commission's priorities for project assessment are avoidance, minimization, and mitigation of impacts to resource area/s in that order. If mitigation is proposed, the Commission will require a 1:1.5 ratio of replication for impacts to wetlands and for buffer zones. The narrative should clearly address these priorities.

- [ ] A narrative discussion that presents justification, based on factors of technical or economic feasibility, why alternatives that might minimize or completely avoid adverse impact to the Riverfront Area, Floodplain, the Buffer Zone, and/or any other resource area are not being proposed. At a minimum there must be discussion of the alternative for no alteration.

The following items are required for Site Plans submitted with a Bylaw application; however, if the Applicant considers that the information is not relevant to the scope or scale of the proposed project, a Waiver(s) of requirements must be requested at the time of filing the application with the Conservation Commission.

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Site Plan Minimum Requirements

The following shall be included on the Site Plan:

- ☐ Stamp of a Professional Engineer (P.E.) and/or a Professional Land Surveyor (P.L.S.) depending upon proximity to lot lines or project complexity.

  OR

- ☐ Stamp of a Registered Sanitarian (R.S.) is acceptable for designs of septic systems handling less than 2,000 gallons per day, with incidental site work.

- ☐ Grade elevations based on National Geodetic Vertical Datum (NGVD). Grade contours in the area of work shall be provided with at least 1-foot intervals.

- ☐ Plan Scale: 1 inch = 10 feet or 1 inch = 20 feet.

- ☐ Wetlands flagging with letters and/or numbers as defined in the field.

- ☐ Date that wetlands flagging was done and name of the wetland delineator (if GIS was used to wetlands, then include the GIS source.)

- ☐ Site Plans must clearly show existing conditions and proposed conditions, utilities, impervious surfaces, limit of lawn, trees greater than 6 inches in diameter proposed for removal, significant land features such as rock outcroppings, all Resource Areas (differentiate each) including Buffer Zone. *Note: It may be more comprehensible to submit two plans: an existing conditions plan and a proposed conditions plan.*

- ☐ Site plans must detail the permanent demarcation of the limit of lawn with minimum 30' offset from resource area for new construction, and minimum average 15' offset for existing dwellings.

- ☐ Locations and identifiers for all test pit locations.

- ☐ A cross-section of grading and profile for proposed septic systems.

- ☐ Locations for temporary stockpiles or storage of soils or demolition debris during construction.

- ☐ Access route for construction equipment and construction entrance location details.

- ☐ Location of erosion control barrier(s).

- ☐ Detail for installation of erosion control barrier(s).

- ☐ Location for refueling of equipment. (Outside buffer zone strongly preferred)

- ☐ Locations designated for snow storage, if necessary.

- ☐ Pre/Post-Construction Lot Coverage Summary for areas within by-law jurisdiction: a) Total lot area; b) total impervious area **(Note: impervious areas shall include, but are not limited to, roofs, decks, walks, and driveways)**; c) total landscaped/lawn area; and d) total area altered during construction (including temporary impacts).

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Drainage Requirements

The Commission seeks to protect water quality of surface waters and groundwater, and to limit any increase in the rate or quantity of runoff of storm water from the property.

- ☐ For projects adding less than or equal to 500 square feet of impervious area, a narrative description of specific measures used to provide for infiltration of runoff equivalent to runoff this additional impervious area. Those measures must be clearly depicted on the Site Plan as a specification.

  OR

- ☐ For projects adding more than 500 square feet of impervious area,
  - ☐ A narrative discussion of the methods and all assumptions used in the drainage calculations
  - ☐ A plan showing drainage catchment areas
  - ☐ Supporting calculations (i.e. HydroCAD) stamped by a P.E.
  - ☐ Summary tables presenting Pre/Post Construction Storm Water Runoff Rates and Volumes for a 1-inch storm event, a 10-year, and a 100-year storm events. Note: Rainfall of at least 8 inches in 24 hours must be used for 100-year storm event.
  - ☐ Compliance with DEP's Stormwater Management Standards.

- ☐ Narrative description of structural and non-structural best management practice (BMP) (See 'Definitions), controls for storm water management for the project **during construction phases and for long term site management**:
  - ☐ Evaluation of BMP selection and factors of site suitability including: soils, drainage area, depth to water table, depth to bedrock, slopes and proximity to wells and foundations
  - ☐ Discussion of construction phasing
  - ☐ Relevant site characterization data for design
  - ☐ Water quality calculations for total suspended solids (TSS) removal
  - ☐ Calculated storm water recharge rate
  - ☐ Calculated peak discharge rate

- ☐ Maintenance requirements and site inspections templates for BMPs must be specified. Operation and Maintenance (O&M) plans for Stormwater shall be submitted with the application describing short-term BMPs (during construction) and long-term BMPs (post-construction) for management of the drainage structures, roadway and/or parking lot (as applicable) including but not limited to sweeping; catch basin cleaning; snow storage and erosion controls, such as hay bales or sediment fences. The drainage components (Best Management Practice – BMP) shall be as described using terminology in the most recent version of the DEP Storm water Technical Handbook, March 1997. A Plan for protecting the post-construction BMPs during construction shall be include in the O&M Plan.

- ☒ Aquifer Protection District – If the project is within this area, a narrative description of how the project complies with aquifer protection requirements.

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Soils Information

☐ Septic Systems or Drainage BMPs (where applicable) - Clear statement of how many test pits or borings were conducted for the project planning and engineering evaluations and what number and types of analytical methods may have been applied for soils characterization including visual evaluation, percolation tests, field screening, and laboratory analyses.

☐ Septic Systems and/or applicable drainage BMP - Copies of all soil data including boring and/or test pit logs.

☐ Wetland field data forms that document observations made during the wetland delineation including soil or test pit logs.

Waivers

In the event that Applicant considers certain required information to be, in their opinion, not relevant to the scope or scale of the proposed project Applicant may request a Waiver of the requirements with this application to the Conservation Commission. Indicate all provisions requested for Waiver below designating the specific paragraph number/letter designation.

Site Plan Minimum Requirement Waiver(s)	☐ None ☒ List	No site development work proposed
Drainage Requirement Waiver(s)	☐ None ☒ List	No site development work proposed
Soils Information Waiver(s)	☐ None ☒ List	No site development work proposed

If applicable, attach a statement for justification of the requested waivers.

In the event that any requested Waiver is not granted by the Commission or the application is otherwise found to be deficient in providing required information the hearing may at the discretion of the Commission either be closed and denied for the lack of information or continued for a specific timeframe approved by the Commission for the Applicant to submit the required information.

The Commission has authorized its Administrator to review projects and to not accept project applications under the Bylaw that have apparent deficiencies to meeting the above requirements. Notwithstanding that authority, acceptance of an application by the Administrator does not represent a decision that the application is fully complete. Deficiencies identified by the Administrator will be report to the applicant and the Commission during the hearing.

The property owner, as well as the applicant and/or representative (if different from owner) must sign this checklist and all other applicable applications. The property owner, by signing this checklist and the applications, acknowledges that the Commission and Staff may enter the property to inspect the premises as part of the assessment of the application.

William & Leslie Jacques — Property Owner's Name (Print)

Property Owner's Signature — Date 8/21/2019

Leslie Jacques — 8/21/2019

I certify under penalty of law that this document and all its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Leslie Jacques — Applicant's Name (Print)

Leslie Jacques — Applicant's Signature — Date 8/21/19

GIS Stream Monitoring Station Plan

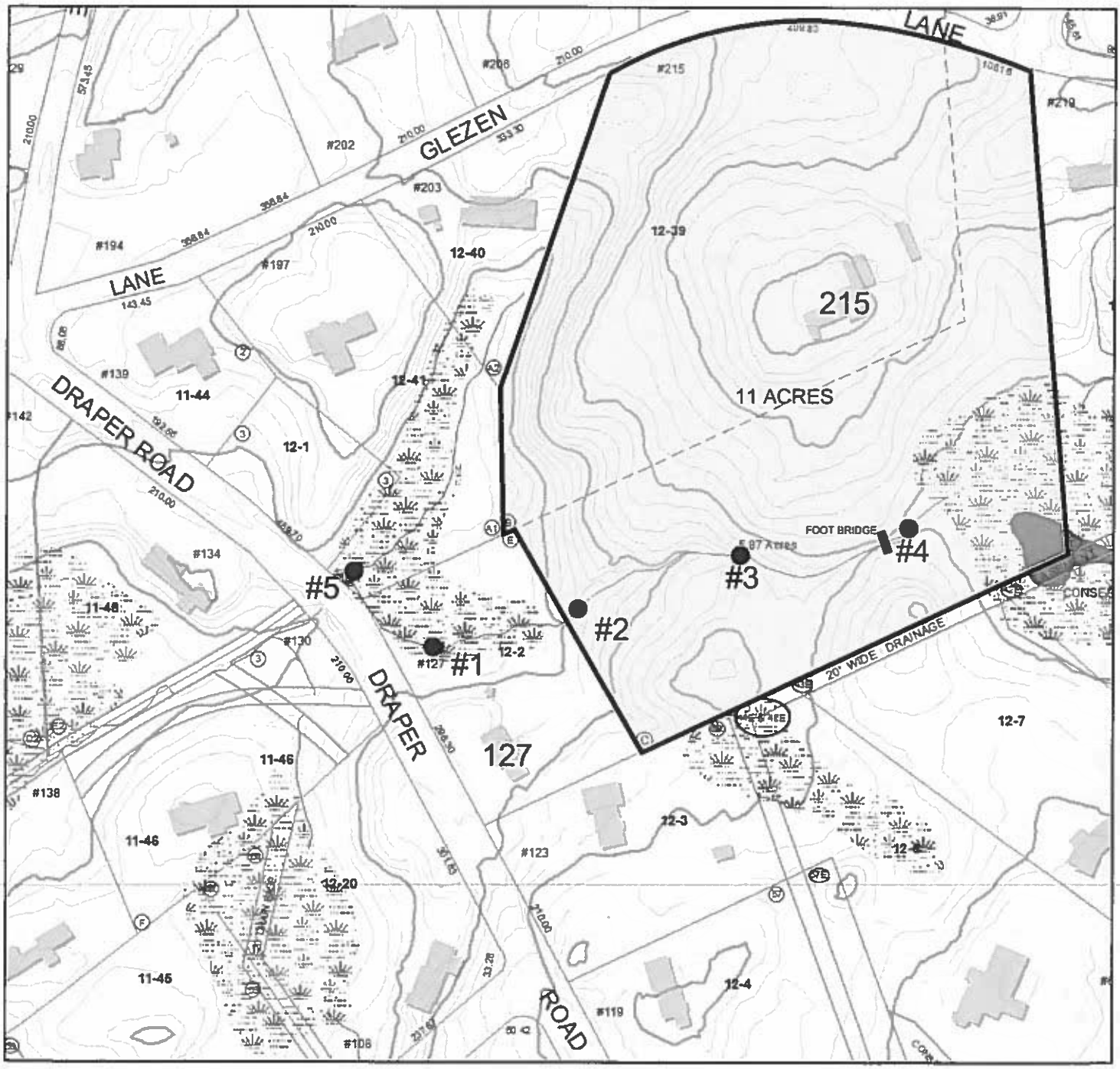
Wayland, MA

August 12, 2019

1 inch = 175 Feet

0 175 350 525

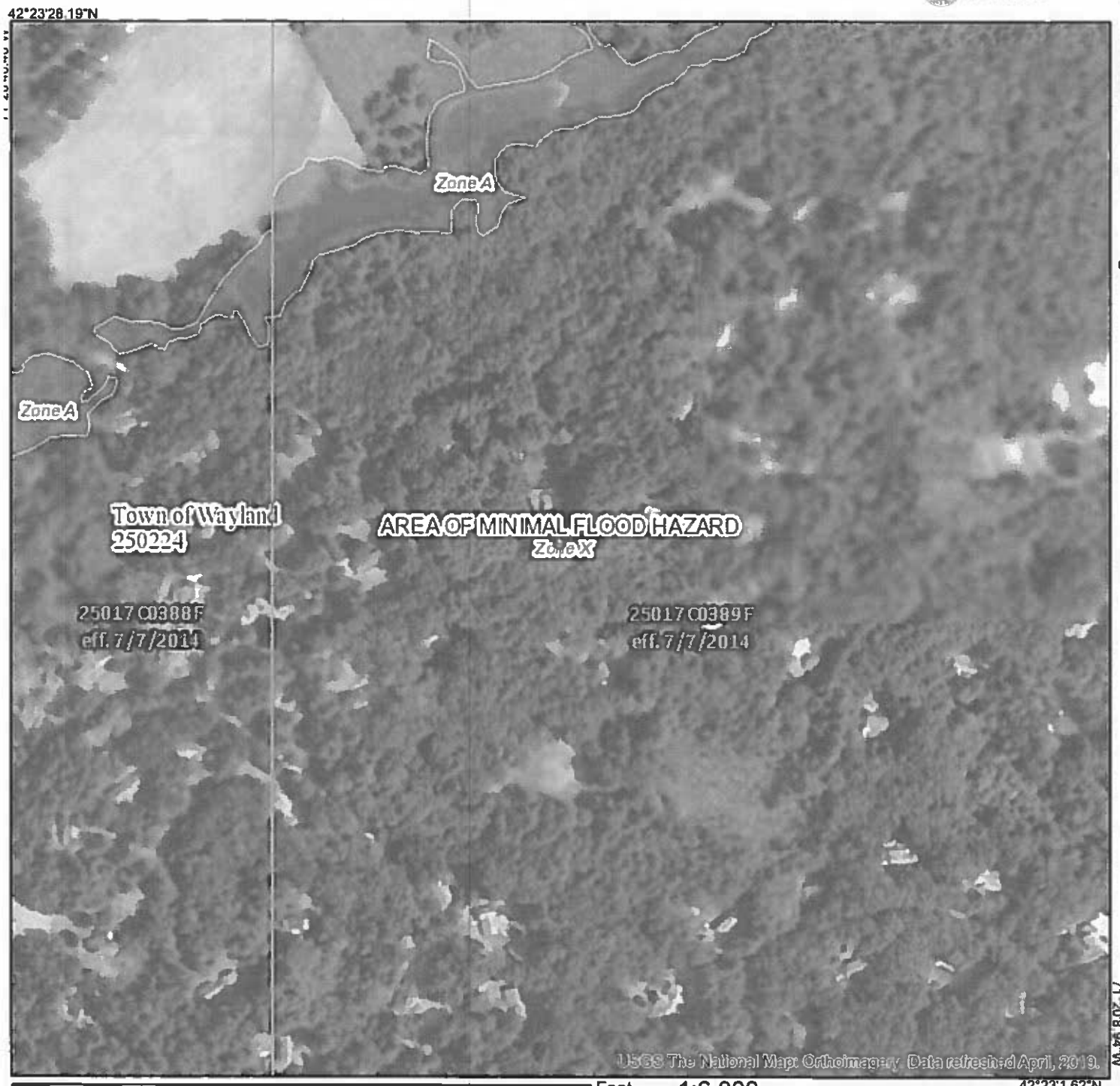
www.cai-tecn.com



Tract Line	Index (10 ft Interval)	Streams
Polygons	Index Depression	Lakes, Ponds, Rivers
Parcel Lines - No Ortho	Intermediate (2 ft Interval)	Wetlands (2012 Flyover)
Building Rooftop	Intermediate Depression	Wetlands (DEP)


LOCUS
#215
¼ MILE RADIUS
(TYP.)

National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

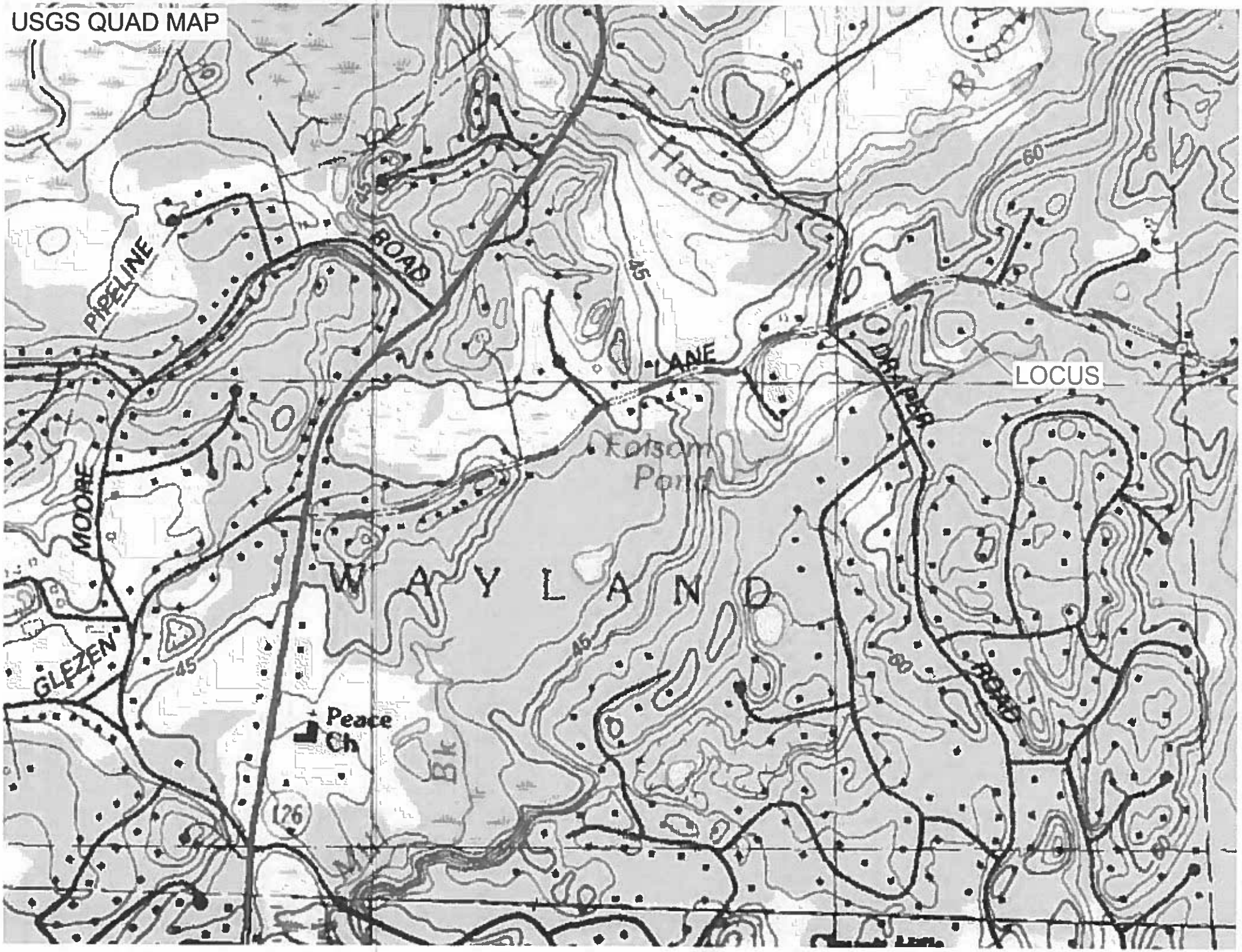
N

The pin displayed on the map is an approximate point selected by the user and does not represen an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/7/2019 at 1:09:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.


USGS QUAD MAP
Hazel
PIPELINE
ROAD
45
60
LANE
DRAPER
LOCUS
Folsom
Pond
MOORE
WAYLAND
GLEZEN
45
45
60
ROAD
Peace
Ch
Bk
126

Station No. 2 StreamStats Report

Region ID: MA
Workspace ID: MA20190816182822293000
Clicked Point (Latitude, Longitude): 42.38554, -71.34155
Time: 2019-08-16 14:28:38 -0400

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0861	square miles
ELEV	Mean Basin Elevation	221	feet
LC06STOR	Percentage of water bodies and wetlands determined from the NLCD 2006	0	percent
DRFTPERSTR	Area of stratified drift per unit of stream length	-100000	square mile per mile
MAREGION	Region of Massachusetts 0 for Eastern 1 for Western	0	dimensionless

Parameter Code	Parameter Description	Value	Unit
BSLDEM250	Mean basin slope computed from 1:250K DEM	1.799	percent
PCTSNDGRV	Percentage of land surface underlain by sand and gravel deposits	13.1	percent
FOREST	Percentage of area covered by forest	26.87	percent

Peak-Flow Statistics Parameters[Peak Statewide 2016 5156]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0861	square miles	0.16	512
ELEV	Mean Basin Elevation	221	feet	80.6	1948
LC06STOR	Percent Storage from NLCD2006	0	percent	0	32.3

Peak-Flow Statistics Disclaimers[Peak Statewide 2016 5156]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errorsOne or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errorsOne or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errorsOne or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errorsOne or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errorsOne or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors

Peak-Flow Statistics Flow Report[Peak Statewide 2016 5156]

Statistic	Value	Unit
2 Year Peak Flood	6.57	ft^3/s
5 Year Peak Flood	11.3	ft^3/s
10 Year Peak Flood	15.2	ft^3/s
25 Year Peak Flood	21	ft^3/s
50 Year Peak Flood	25.8	ft^3/s
100 Year Peak Flood	31.1	ft^3/s
200 Year Peak Flood	36.8	ft^3/s

Statistic	Value	Unit
500 Year Peak Flood	45.3	ft^3/s

Peak-Flow Statistics Citations

Zarriello, P.J.,2017, Magnitude of flood flows at selected annual exceedance probabilities for streams in Massachusetts: U.S. Geological Survey Scientific Investigations Report 2016–5156, 99 p. (https://dx.doi.org/10.3133/sir20165156)

Flow-Duration Statistics Parameters[Statewide Low Flow WRIR00 4135]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0861	square miles	1.61	149
DRFTPERSTR	Stratified Drift per Stream Length	-100000	square mile per mile	0	1.29
MAREGION	Massachusetts Region	0	dimensionless	0	1
BSLDEM250	Mean Basin Slope from 250K DEM	1.799	percent	0.32	24.6

Flow-Duration Statistics Flow Report[Statewide Low Flow WRIR00 4135]

Statistic	Value	Unit

Flow-Duration Statistics Citations

Low-Flow Statistics Parameters[Statewide Low Flow WRIR00 4135]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0861	square miles	1.61	149
BSLDEM250	Mean Basin Slope from 250K DEM	1.799	percent	0.32	24.6
DRFTPERSTR	Stratified Drift per Stream Length	-100000	square mile per mile	0	1.29
MAREGION	Massachusetts Region	0	dimensionless	0	1

Low-Flow Statistics Flow Report[Statewide Low Flow WRIR00 4135]

Statistic	Value	Unit

Low-Flow Statistics Citations

Probability Statistics Parameters[Perennial Flow Probability]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0861	square miles	0.01	1.99
PCTSNDGRV	Percent Underlain By Sand And Gravel	13.1	percent	0	100
FOREST	Percent Forest	26.87	percent	0	100
MAREGION	Massachusetts Region	0	dimensionless	0	1

Probability Statistics Flow Report[Perennial Flow Probability]

PII: Prediction Interval-Lower, Plu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	PC
Probability Stream Flowing Perennially	0.476	dim	71

Probability Statistics Citations

Bent, G.C., and Steeves, P.A.,2006, A revised logistic regression equation and an automated procedure for mapping the probability of a stream flowing perennially in Massachusetts: U.S. Geological Survey Scientific Investigations Report 2006–5031, 107 p. (http://pubs.usgs.gov/sir/2006/5031/pdfs/SIR_2006-5031rev.pdf)

StreamStats Report at Draper Road

Region ID: MA
Workspace ID: MA20190816185815806000
Clicked Point (Latitude, Longitude): 42.38537, -71.34277
Time: 2019-08-16 14:58:31 -0400

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.11	square miles
ELEV	Mean Basin Elevation	216	feet
LC06STOR	Percentage of water bodies and wetlands determined from the NLCD 2006	0	percent
DRFTPERSTR	Area of stratified drift per unit of stream length	-100000	square mile per mile
MAREGION	Region of Massachusetts 0 for Eastern 1 for Western	0	dimensionless

Parameter Code	Parameter Description	Value	Unit
BSLDEM250	Mean basin slope computed from 1:250K DEM	2.076	percent
PCTSNDGRV	Percentage of land surface underlain by sand and gravel deposits	27.96	percent
FOREST	Percentage of area covered by forest	29.35	percent

Peak-Flow Statistics Parameters[Peak Statewide 2016 5156]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.11	square miles	0.16	512
ELEV	Mean Basin Elevation	216	feet	80.6	1948
LC06STOR	Percent Storage from NLCD2006	0	percent	0	32.3

Peak-Flow Statistics Disclaimers[Peak Statewide 2016 5156]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errorsOne or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errorsOne or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors

Peak-Flow Statistics Flow Report[Peak Statewide 2016 5156]

Statistic	Value	Unit
2 Year Peak Flood	7.98	ft^3/s
5 Year Peak Flood	13.7	ft^3/s
10 Year Peak Flood	18.4	ft^3/s
25 Year Peak Flood	25.3	ft^3/s
50 Year Peak Flood	31.1	ft^3/s
100 Year Peak Flood	37.4	ft^3/s
200 Year Peak Flood	44.3	ft^3/s
500 Year Peak Flood	54.4	ft^3/s

Peak-Flow Statistics Citations

Zarriello, P.J.,2017, Magnitude of flood flows at selected annual exceedance probabilities for streams in Massachusetts: U.S. Geological Survey Scientific Investigations Report 2016–5156, 99 p. (https://dx.doi.org/10.3133/sir20165156)

Flow-Duration Statistics Parameters[Statewide Low Flow WRIR00 4135]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.11	square miles	1.61	149
DRFTPERSTR	Stratified Drift per Stream Length	-100000	square mile per mile	0	1.29
MAREGION	Massachusetts Region	0	dimensionless	0	1
BSLDEM250	Mean Basin Slope from 250K DEM	2.076	percent	0.32	24.6

Flow-Duration Statistics Flow Report[Statewide Low Flow WRIR00 4135]

Statistic	Value	Unit

Flow-Duration Statistics Citations

Low-Flow Statistics Parameters[Statewide Low Flow WRIR00 4135]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.11	square miles	1.61	149
BSLDEM250	Mean Basin Slope from 250K DEM	2.076	percent	0.32	24.6
DRFTPERSTR	Stratified Drift per Stream Length	-100000	square mile per mile	0	1.29
MAREGION	Massachusetts Region	0	dimensionless	0	1

Low-Flow Statistics Flow Report[Statewide Low Flow WRIR00 4135]

Statistic	Value	Unit

Low-Flow Statistics Citations

Probability Statistics Parameters[Perennial Flow Probability]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.11	square miles	0.01	1.99
PCTSNDGRV	Percent Underlain By Sand And Gravel	27.96	percent	0	100
FOREST	Percent Forest	29.35	percent	0	100
MAREGION	Massachusetts Region	0	dimensionless	0	1

Probability Statistics Flow Report[Perennial Flow Probability]

PII: Prediction Interval-Lower, PIu: Prediction Interval-Upper, SEp: Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	PC
Probability Stream Flowing Perennially	0.563	dim	71

Probability Statistics Citations

Bent, G.C., and Steeves, P.A.,2006, A revised logistic regression equation and an automated procedure for mapping the probability of a stream flowing perennially in Massachusetts: U.S. Geological Survey Scientific Investigations Report 2006–5031, 107 p. (http://pubs.usgs.gov/sir/2006/5031/pdfs/SIR_2006-5031rev.pdf)

Application Version: 4.3.8

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Application Version: 4.3.8

Climatological Data for BEDFORD HANSCOM FIELD, MA - May 2017

Date	Temperature				HDD	CDD	Precipitation
	Maximum	Minimum	Average	Departure			
2017-05-01	49	45	47.0	-6.4	18	0	T
2017-05-02	68	44	56.0	2.3	9	0	0.18
2017-05-03	64	43	53.5	-0.5	11	0	T
2017-05-04	63	32	47.5	-6.8	17	0	0.00
2017-05-05	50	47	48.5	-6.1	16	0	0.87
2017-05-06	69	49	59.0	4.0	6	0	0.16
2017-05-07	66	47	56.5	1.2	8	0	T
2017-05-08	56	37	46.5	-9.1	18	0	T
2017-05-09	55	32	43.5	-12.4	21	0	T
2017-05-10	61	43	52.0	-4.2	13	0	0.00
2017-05-11	60	40	50.0	-6.5	15	0	0.00
2017-05-12	58	37	47.5	-9.2	17	0	T
2017-05-13	54	38	46.0	-11.0	19	0	0.09
2017-05-14	50	44	47.0	-10.3	18	0	0.91
2017-05-15	60	46	53.0	-4.6	12	0	0.24
2017-05-16	80	49	64.5	6.6	0	0	0.00
2017-05-17	91	53	72.0	13.8	0	7	T
2017-05-18	93	63	78.0	19.5	0	13	0.15
2017-05-19	88	54	71.0	12.2	0	6	T
2017-05-20	68	45	56.5	-2.6	8	0	0.00
2017-05-21	68	40	54.0	-5.4	11	0	0.00
2017-05-22	55	49	52.0	-7.7	13	0	0.20
2017-05-23	70	51	60.5	0.5	4	0	0.01
2017-05-24	68	49	58.5	-1.8	6	0	0.00
2017-05-25	56	48	52.0	-8.5	13	0	0.55
2017-05-26	59	48	53.5	-7.3	11	0	0.57
2017-05-27	69	49	59.0	-2.1	6	0	0.00
2017-05-28	71	51	61.0	-0.4	4	0	0.00
2017-05-29	53	48	50.5	-11.2	14	0	0.06
2017-05-30	61	48	54.5	-7.5	10	0	0.00
2017-05-31	74	53	63.5	1.2	1	0	0.28
Sum	2007	1422	-	-	319	26	4.27
Average	64.7	45.9	55.3	-2.6	-	-	-
Normal	68.4	47.4	57.9	-	245	25	3.85

Observations for each day cover the 24 hours ending at the time given below (Local Standard Time).
Max Temperature : unknown
Min Temperature : unknown
Precipitation : unknown

Climatological Data for BEDFORD HANSCOM FIELD, MA - June 2017

Date	Temperature				HDD	CDD	Precipitation
	Maximum	Minimum	Average	Departure			
2017-06-01	78	50	64.0	1.3	1	0	0.07
2017-06-02	72	45	58.5	-4.5	6	0	T
2017-06-03	69	44	56.5	-6.8	8	0	0.01
2017-06-04	73	46	59.5	-4.1	5	0	0.13
2017-06-05	56	51	53.5	-10.4	11	0	0.52
2017-06-06	51	47	49.0	-15.2	16	0	0.83
2017-06-07	72	48	60.0	-4.5	5	0	0.03
2017-06-08	81	45	63.0	-1.8	2	0	0.00
2017-06-09	81	52	66.5	1.4	0	2	0.00
2017-06-10	85	53	69.0	3.6	0	4	0.00
2017-06-11	91	64	77.5	11.7	0	13	0.00
2017-06-12	95	66	80.5	14.4	0	16	0.00
2017-06-13	94	68	81.0	14.6	0	16	0.28
2017-06-14	81	54	67.5	0.8	0	3	0.00
2017-06-15	77	47	62.0	-5.0	3	0	0.00
2017-06-16	73	57	65.0	-2.3	0	0	0.81
2017-06-17	72	59	65.5	-2.1	0	1	0.03
2017-06-18	85	68	76.5	8.6	0	12	0.00
2017-06-19	88	71	79.5	11.3	0	15	0.22
2017-06-20	85	62	73.5	5.0	0	9	0.08
2017-06-21	83	60	71.5	2.7	0	7	0.00
2017-06-22	83	54	68.5	-0.6	0	4	0.00
2017-06-23	89	67	78.0	8.7	0	13	0.02
2017-06-24	87	66	76.5	6.9	0	12	0.10
2017-06-25	84	61	72.5	2.6	0	8	0.14
2017-06-26	79	56	67.5	-2.6	0	3	0.00
2017-06-27	75	53	64.0	-6.4	1	0	1.33
2017-06-28	77	50	63.5	-7.1	1	0	0.00
2017-06-29	78	56	67.0	-3.8	0	2	0.00
2017-06-30	88	67	77.5	6.4	0	13	0.25
Sum	2382	1687	-	-	59	153	4.85
Average	79.4	56.2	67.8	0.8	-	-	-
Normal	77.2	56.9	67.0	-	57	119	3.92

Observations for each day cover the 24 hours ending at the time given below (Local Standard Time).

Max Temperature : unknown

Min Temperature : unknown

Precipitation : unknown

Climatological Data for BEDFORD HANSCOM FIELD, MA - July 2017

Date	Temperature				HDD	CDD	Precipitation
	Maximum	Minimum	Average	Departure			
2017-07-01	90	68	79.0	7.7	0	14	0.00
2017-07-02	88	69	78.5	7.0	0	14	0.14
2017-07-03	85	62	73.5	1.8	0	9	0.00
2017-07-04	84	57	70.5	-1.4	0	6	0.00
2017-07-05	84	55	69.5	-2.6	0	5	0.00
2017-07-06	83	56	69.5	-2.7	0	5	0.00
2017-07-07	72	61	66.5	-5.9	0	2	0.39
2017-07-08	87	60	73.5	1.0	0	9	0.17
2017-07-09	82	59	70.5	-2.2	0	6	0.00
2017-07-10	86	59	72.5	-0.3	0	8	0.00
2017-07-11	84	68	76.0	3.1	0	11	0.15
2017-07-12	87	66	76.5	3.5	0	12	3.01
2017-07-13	70	58	64.0	-9.1	1	0	0.10
2017-07-14	66	58	62.0	-11.2	3	0	0.01
2017-07-15	81	62	71.5	-1.8	0	7	T
2017-07-16	87	60	73.5	0.2	0	9	0.00
2017-07-17	87	65	76.0	2.6	0	11	0.00
2017-07-18	86	68	77.0	3.6	0	12	0.09
2017-07-19	91	65	78.0	4.5	0	13	T
2017-07-20	90	65	77.5	4.0	0	13	T
2017-07-21	89	62	75.5	2.0	0	11	T
2017-07-22	84	65	74.5	1.0	0	10	T
2017-07-23	76	61	68.5	-5.0	0	4	0.00
2017-07-24	64	56	60.0	-13.5	5	0	1.11
2017-07-25	68	53	60.5	-13.0	4	0	0.01
2017-07-26	80	50	65.0	-8.5	0	0	0.00
2017-07-27	74	60	67.0	-6.4	0	2	0.07
2017-07-28	83	60	71.5	-1.9	0	7	0.00
2017-07-29	73	51	62.0	-11.4	3	0	0.00
2017-07-30	80	48	64.0	-9.3	1	0	0.00
2017-07-31	86	52	69.0	-4.3	0	4	0.00
Sum	2527	1859	-	-	17	204	5.25
Average	81.5	60.0	70.7	-2.2	-	-	-
Normal	83.7	62.2	72.9	-	4	250	3.72

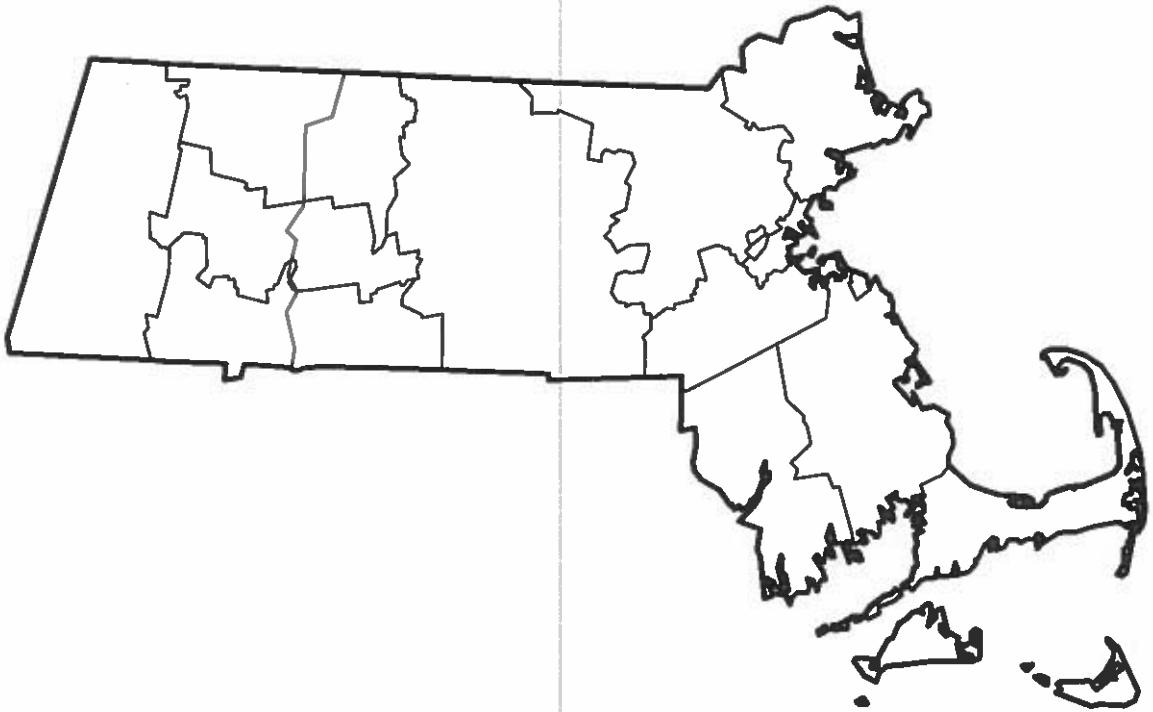
Observations for each day cover the 24 hours ending at the time given below (Local Standard Time).
Max Temperature : unknown
Min Temperature : unknown
Precipitation : unknown

Climatological Data for BEDFORD HANSCOM FIELD, MA - August 2017

Date	Temperature				HDD	CDD	Precipitation
	Maximum	Minimum	Average	Departure			
2017-08-01	88	61	74.5	1.3	0	10	0.00
2017-08-02	88	63	75.5	2.4	0	11	0.94
2017-08-03	85	62	73.5	0.5	0	9	0.00
2017-08-04	85	65	75.0	2.0	0	10	0.00
2017-08-05	76	62	69.0	-3.9	0	4	0.24
2017-08-06	77	55	66.0	-6.8	0	1	0.00
2017-08-07	75	54	64.5	-8.2	0	0	T
2017-08-08	76	59	67.5	-5.1	0	3	T
2017-08-09	84	55	69.5	-2.9	0	5	T
2017-08-10	86	58	72.0	-0.3	0	7	0.00
2017-08-11	82	58	70.0	-2.2	0	5	T
2017-08-12	76	61	68.5	-3.6	0	4	0.09
2017-08-13	84	60	72.0	0.1	0	7	0.00
2017-08-14	82	55	68.5	-3.3	0	4	T
2017-08-15	77	60	68.5	-3.1	0	4	0.00
2017-08-16	83	59	71.0	-0.5	0	6	0.00
2017-08-17	81	50	65.5	-5.8	0	1	0.00
2017-08-18	82	63	72.5	1.4	0	8	0.01
2017-08-19	88	65	76.5	5.5	0	12	0.00
2017-08-20	84	61	72.5	1.7	0	8	0.00
2017-08-21	86	58	72.0	1.4	0	7	0.00
2017-08-22	89	64	76.5	6.1	0	12	T
2017-08-23	81	56	68.5	-1.7	0	4	0.15
2017-08-24	80	52	66.0	-4.0	0	1	0.00
2017-08-25	76	49	62.5	-7.2	2	0	T
2017-08-26	75	46	60.5	-9.0	4	0	0.00
2017-08-27	78	46	62.0	-7.3	3	0	0.00
2017-08-28	77	47	62.0	-7.0	3	0	0.00
2017-08-29	70	47	58.5	-10.2	6	0	0.00
2017-08-30	74	52	63.0	-5.5	2	0	0.06
2017-08-31	79	49	64.0	-4.2	1	0	0.00
Sum	2504	1752	-	-	21	143	1.49
Average	80.8	56.5	68.6	-2.6	-	-	-
Normal	81.5	60.9	71.2	-	13	206	3.65

Observations for each day cover the 24 hours ending at the time given below (Local Standard Time).
Max Temperature : unknown
Min Temperature : unknown
Precipitation : unknown

U.S. Drought Monitor
Massachusetts



May 30, 2017
(Released Thursday, Jun. 1, 2017)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week *05-23-2017*	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago *02-28-2017*	0.70	99.30	97.18	37.11	0.01	0.00
Start of Calendar Year *01-03-2017*	0.70	99.30	98.09	69.13	8.59	0.00
Start of Water Year *09-27-2016*	0.00	100.00	98.15	89.95	52.13	0.00
One Year Ago *05-31-2016*	57.14	42.86	0.00	0.00	0.00	0.00

Intensity:

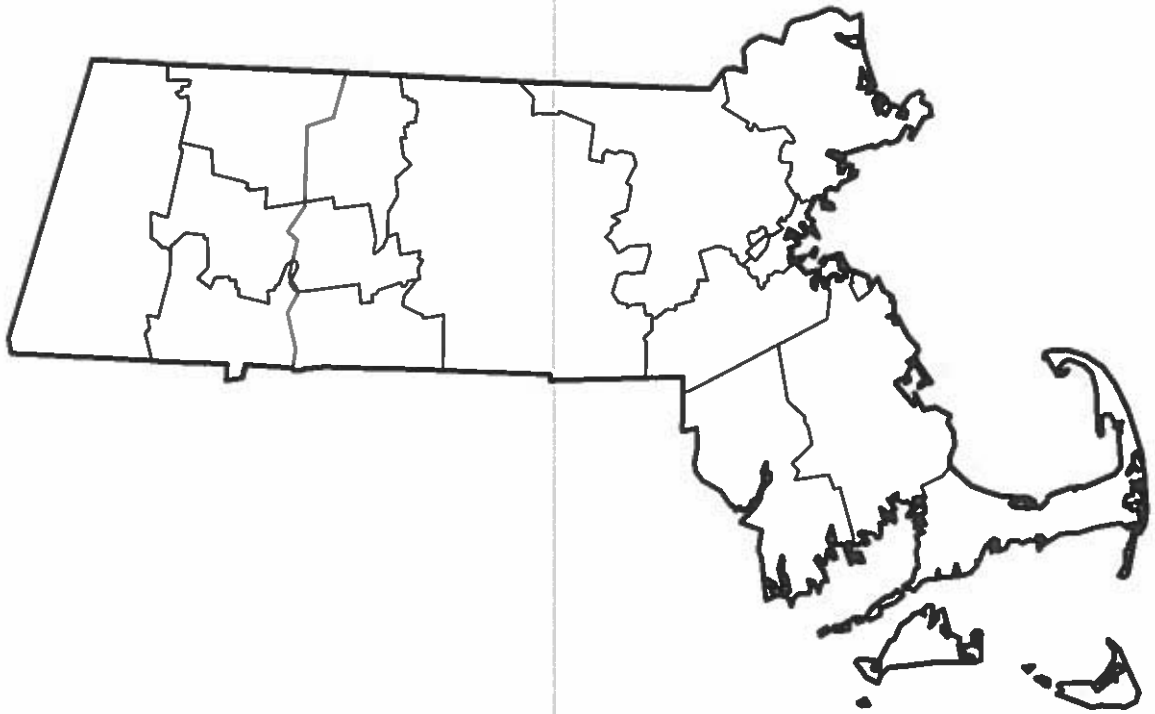
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Chris Fenimore
NCEI/NESDIS/NOAA

http://droughtmonitor.unl.edu/

U.S. Drought Monitor
Massachusetts



June 6, 2017
(Released Thursday, Jun. 8, 2017)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3 D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week *05-30-2017*	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago *03-07-2017*	0.70	99.30	97.18	37.11	0.00	0.00
Start of Calendar Year *01-03-2017*	0.70	99.30	98.09	69.13	8.59	0.00
Start of Water Year *09-27-2016*	0.00	100.00	98.15	89.95	52.13	0.00
One Year Ago *06-07-2016*	39.11	60.89	13.56	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
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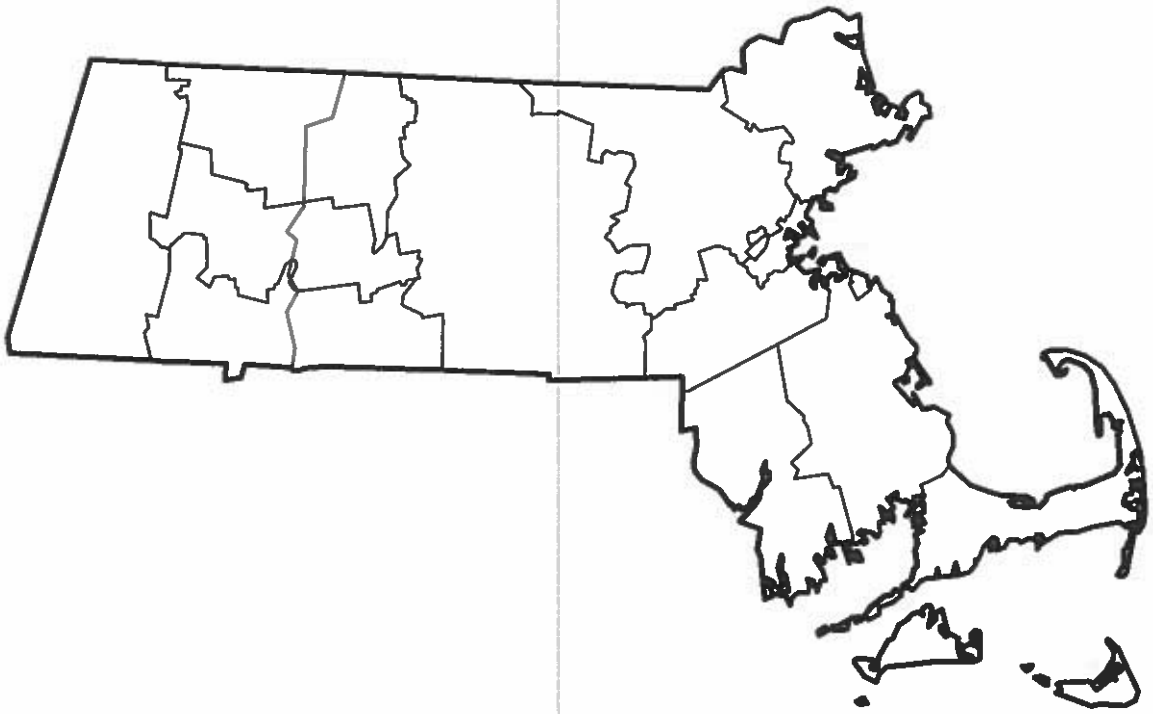
http://droughtmonitor.unl.edu/

U.S. Drought Monitor
Massachusetts



July 4, 2017
(Released Thursday, Jul. 6, 2017)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week *06-27-2017*	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago *04-04-2017*	33.19	66.81	16.65	0.00	0.00	0.00
Start of Calendar Year *01-03-2017*	0.70	99.30	98.09	69.13	8.59	0.00
Start of Water Year *09-27-2016*	0.00	100.00	98.15	89.95	52.13	0.00
One Year Ago *07-05-2016*	0.70	99.30	54.99	29.65	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
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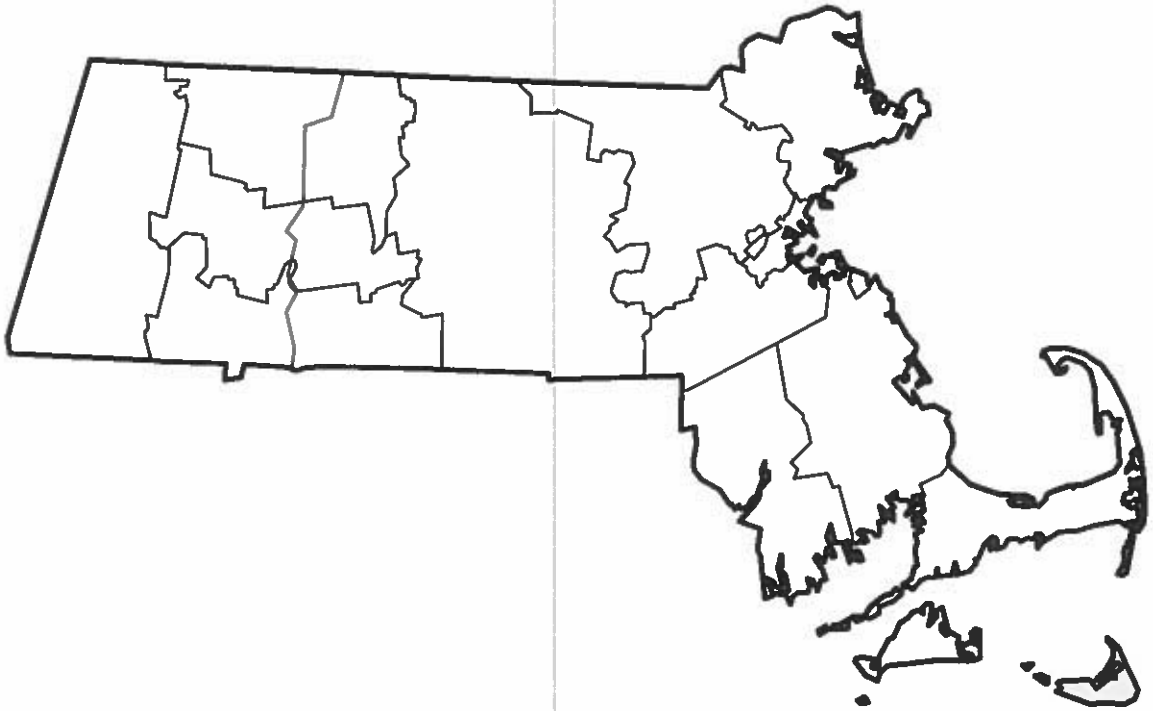
U.S. Drought Monitor
Massachusetts



August 1, 2017
(Released Thursday, Aug. 3, 2017)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3 D4	D4
Current	99.32	0.68	0.00	0.00	0.00	0.00
Last Week *07-25-2017*	99.32	0.68	0.00	0.00	0.00	0.00
3 Months Ago *05-02-2017*	77.24	22.76	0.01	0.00	0.00	0.00
Start of Calendar Year *01-03-2017*	0.70	99.30	98.09	69.13	8.59	0.00
Start of Water Year *09-27-2016*	0.00	100.00	98.15	89.95	52.13	0.00
One Year Ago *08-02-2016*	0.70	99.30	91.78	61.70	0.00	0.00

Intensity:

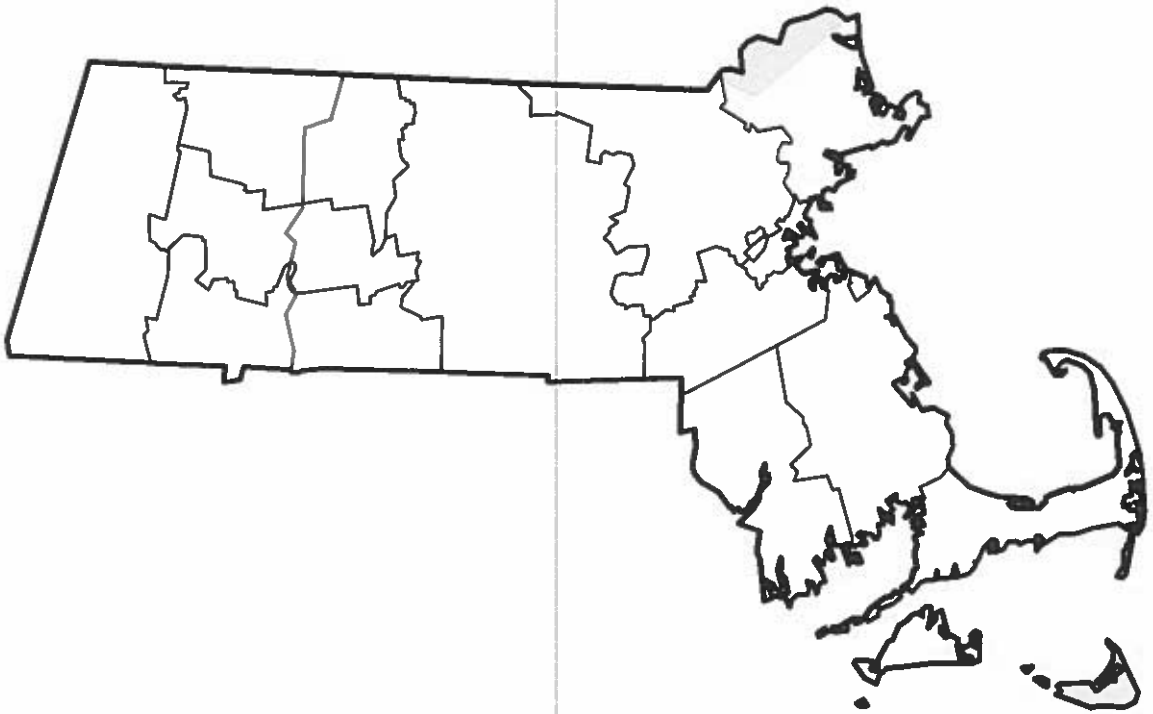
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Deborah Bathke
National Drought Mitigation Center

http://droughtmonitor.unl.edu/

U.S. Drought Monitor
Massachusetts



August 8, 2017
(Released Thursday, Aug. 10, 2017)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	97.89	2.11	0.00	0.00	0.00	0.00
Last Week *08-01-2017*	99.32	0.68	0.00	0.00	0.00	0.00
3 Months Ago *05-09-2017*	99.99	0.01	0.00	0.00	0.00	0.00
Start of Calendar Year *01-03-2017*	0.70	99.30	98.09	69.13	8.59	0.00
Start of Water Year *09-27-2016*	0.00	100.00	98.15	89.95	52.13	0.00
One Year Ago *08-09-2016*	0.70	99.30	91.78	61.70	3.66	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Deborah Bathke
National Drought Mitigation Center

http://droughtmonitor.unl.edu/

Town of Wayland

41 COCHITUATE ROAD
WAYLAND MASSACHUSETTS 01778
www.wayland.ma.us TEL. 508-358-3788

OFFICE STAFF
Bruce Morgan MAA, Director of Assessing
Matthew Lanefski, MAA, Assistant Assessor

Certification of Abutters

Date of request 8/9/19

Please plan your submission accordingly. The Assessors' office has 10 business days to certify an abutters list Per MGL Ch. 66, S.10

Address to be certified 215 Glezen Lane Parcel ID 12-039 (Map/Lot)

Owner's Name (PLEASE PRINT) William & Leslie Jacques

Owner's Mailing Address 215 Glezen Lane Wayland, MA 01778

Name of Applicant (PLEASE PRINT) The Jillson Company, Inc. Telephone: 781-400-5946

P.O. Box 2135 Framingham MA 01703
Mailing Address of Applicant City/Town State Zip

Signature of Applicant

Reason for List (check one) ☒Conservation ☐Health ☐Planning ☐Zoning ☐Board of Selectmen

**Please check with the Board/Commission for their guidelines regarding the number of feet required for notification. Each Board/Commission has its own regulations for their abutters listing. There's no fee for certification, however the list/s of abutters must be provided by the person or company requesting certification.

For use by Assessors

This is to certify that at the time of the last assessment for taxation made by the Town of Wayland, the names and addresses are the assessed owners to these parcels.

Certified By: Date: 8-19-19

CC: ☑Conservation ☐Health ☐Planning ☐ Zoning ☐Board of Selectmen

Abutterrequestform.doc

100 foot Abutters List Report

Wayland, MA
August 08, 2019

Subject Property:

Parcel Number:	12-039	Mailing Address:	JACQUES WILLIAM E LESLIE R
CAMA Number:	12-039		JACQUES
Property Address:	215 GLEZEN LN		215 GLEZEN LANE
			WAYLAND, MA 01778

Abutters:

Parcel Number:	12-002	Mailing Address:	~~DRAPER RD LLC~~ Michael + Samantha Ortc
CAMA Number:	12-002		~~215 GLEZEN LN~~ 127 Draper Rd
Property Address:	127 DRAPER RD		WAYLAND, MA 01778
Parcel Number:	12-003	Mailing Address:	MELVIN DAVID MELVIN CARRIE T/E
CAMA Number:	12-003		123 DRAPER RD
Property Address:	123 DRAPER RD		WAYLAND, MA 01778 ✓
Parcel Number:	12-006	Mailing Address:	LEINBACH MICHELLE TRAVIS ROBERT
CAMA Number:	12-006		T/E
Property Address:	69 HIGHLAND CIR		69 HIGHLAND CIR
			WAYLAND, MA 01778 ✓
Parcel Number:	12-007	Mailing Address:	HERBERT MICHEL J HERBERT LORNA
CAMA Number:	12-007		M T/E
Property Address:	65 HIGHLAND CIR		65 HIGHLAND CIR
			WAYLAND, MA 01778 ✓
Parcel Number:	12-008	Mailing Address:	CUNNINGHAM REBECCA J
CAMA Number:	12-008		EVANGELISTA JOHN P
Property Address:	61 HIGHLAND CIR		61 HIGHLAND CIR
			WAYLAND, MA 01778 ✓
Parcel Number:	12-022	Mailing Address:	ROSENBERG MIRIAM KRAKOWER
CAMA Number:	12-022		DIANE
Property Address:	206 GLEZEN LN		206 GLEZEN LANE
			WAYLAND, MA 01778 ✓
Parcel Number:	12-023	Mailing Address:	JOHNSON DONALD W RITTER
CAMA Number:	12-023		JOHNSON HELEN R
Property Address:	210 GLEZEN LN		210 GLEZEN LN
			WAYLAND, MA 01778 ✓
Parcel Number:	12-024	Mailing Address:	BURKE KRISTINE BETH
CAMA Number:	12-024		214 GLEZEN LN
Property Address:	214 GLEZEN LN		WAYLAND, MA 01778 ✓
Parcel Number:	12-029	Mailing Address:	BEER DONALD GODFREY BEER
CAMA Number:	12-029		PENELOPE ANN GODFREY T/E
Property Address:	1 AUTUMN LN		1 AUTUMN LN
			WAYLAND, MA 01778 ✓
Parcel Number:	12-038	Mailing Address:	GUIDO JOSEPH D ANGELA T GUIDO
CAMA Number:	12-038		219 GLEZEN LANE
Property Address:	219 GLEZEN LN		WAYLAND, MA 01778 ✓

100 foot Abutters List Report

Wayland, MA
August 08, 2019

Parcel Number:	12-040	Mailing Address:	RYAN JEAN L MARJORIE J RYAN
CAMA Number:	12-040		203 GLEZEN LN
Property Address:	203 GLEZEN LN		WAYLAND, MA 01778

Parcel Number:	12-041	Mailing Address:	PANACCIO FRANK A SCAFATI CARA A J/T
CAMA Number:	12-041		197 GLEZEN LN
Property Address:	197 GLEZEN LN		WAYLAND, MA 01778

8/19/19

Station #1 08-08-17 Stream Observation

Station #1 08-09-17 Stream Observation

Station #1 08-10-17 Stream Observation

Station #1 08-11-17 Stream Observation

Station #1 08-12-17 Stream Observation

Station #2 08-08-17 Stream Observation

Station #2 08-09-17 Stream Observation

Station #2 08-10-17 Stream Observation

Station #2 08-11-17 Stream Observation

Station #3 08-10-17 Stream Observation

Station #3 08-11-17 Stream Observation

Station #3 08-12-17 Stream Observation

Station #4 08-08-17 Stream Observation

Station #4 08-09-17 Stream Observation

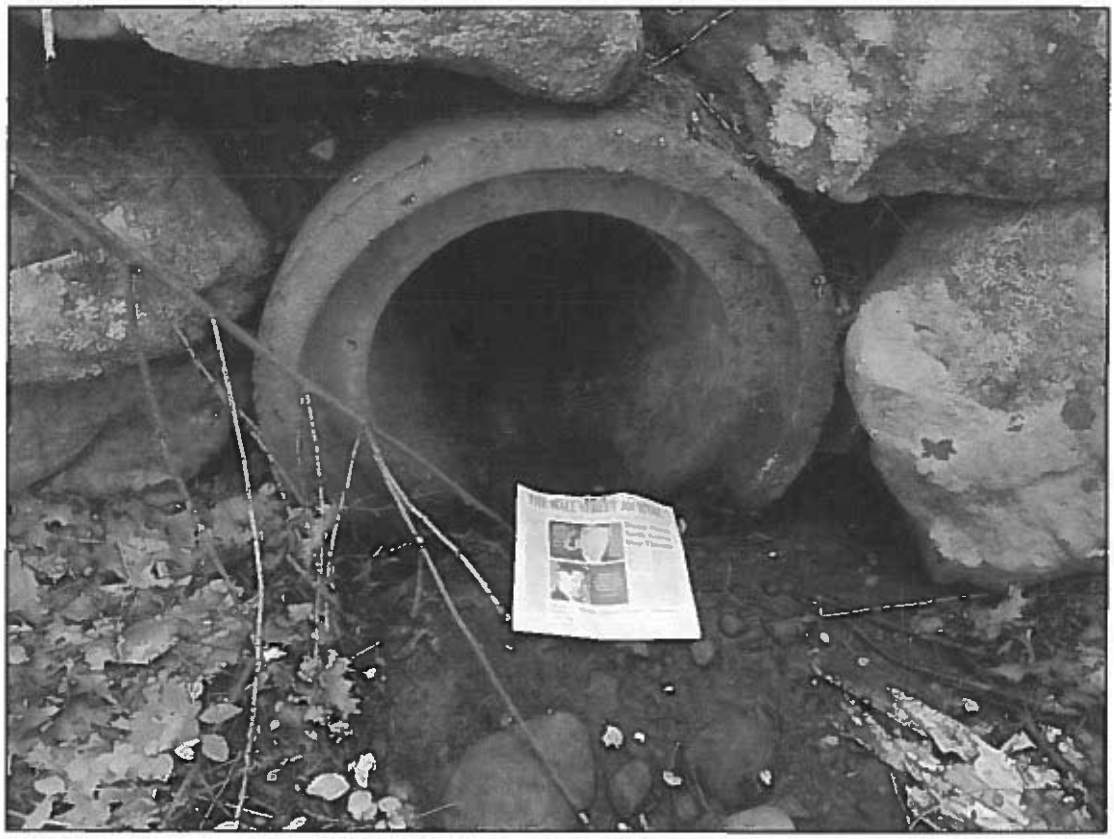
Station #4 08-10-17 Stream Observation

Station #4 08-11-17 Stream Observation

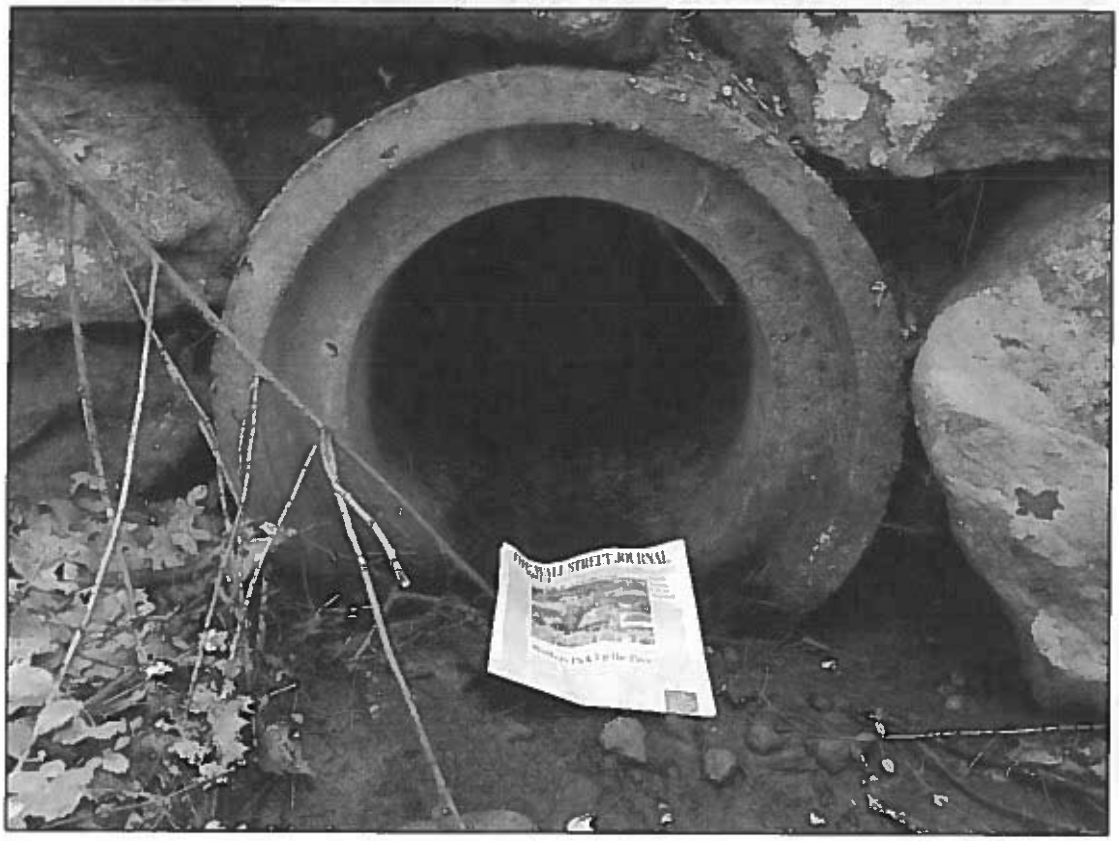
Station #4 08-12-17 Stream Observation

Station #5 08-08-17 Stream Observation

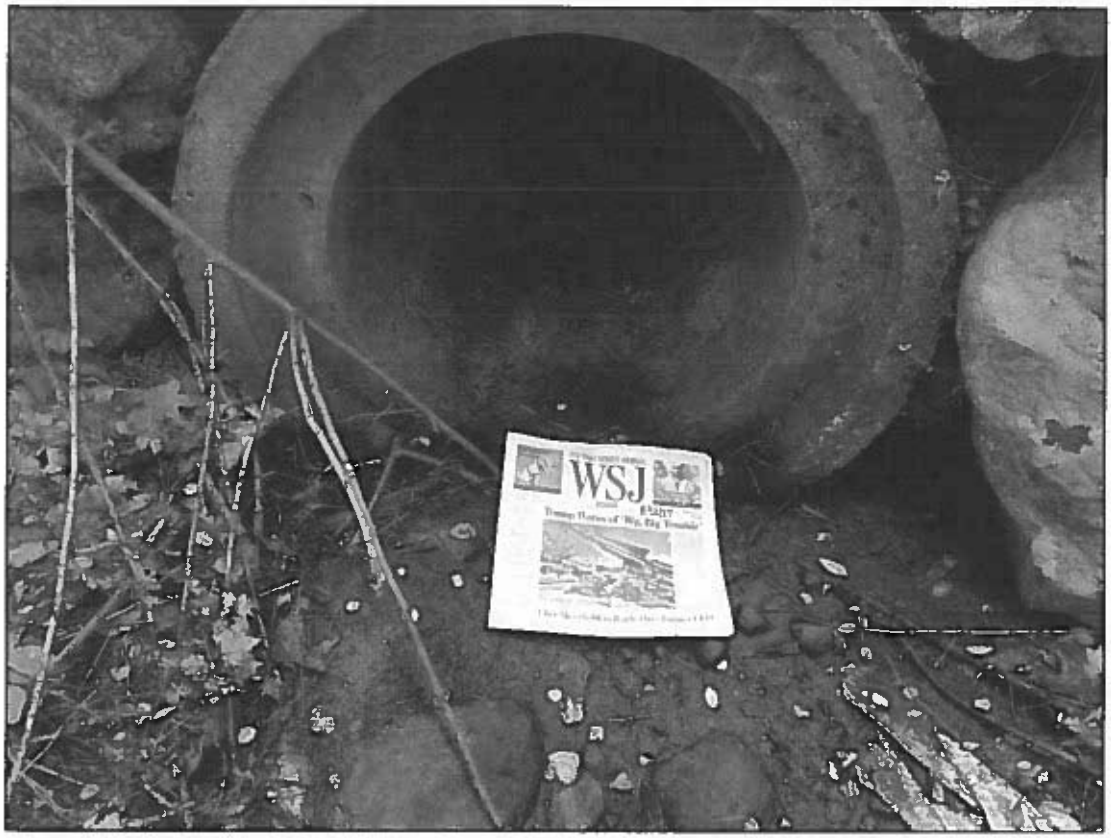
Station #5 08-09-17 Stream Observation



Station #5 08-10-17 Stream Observation



Station #5 08-12-17 Stream Observation



Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application

1. **Applicant:**
Wayland Conservation Department, Ryan Brown rbrown@wayland.ma.us

Name (PLEASE PRINT) Email Address (if applicable)

41 Cochituate Road **Wayland** **MA** **01778**

Mailing Address City/Town State Zip Code

508-358-3669

Phone Number Fax Number (if applicable)

2. **Representative:**

Firm/Business Name Contact Name

Mailing Address City/Town State Zip Code

Phone Number Fax Number (if applicable)

3. **Property Owner(s)**
Wayland Conservation Department rbrown@wayland.ma.us

Property Owner (PLEASE PRINT) Email Address (if applicable)

41 Cochitutate Road **Wayland** **MA** **01778**

Address City/Town State Zip Code

508-358-3669

Phone Number Fax Number (if applicable)

4. **Type of Application**

[X] Request for a Determination of Applicability (RDA)
[ ] Abbreviated NOI
[ ] Notice of Resource Area Delineation
[ ] After the Fact Amendment (AFA)
[ ] Amendment to Order of Conditions
[ ] Notice of Intent (NOI)
[ ] Extension of O.O.C.
[ ] Certificate of Compliance
[ ] After the Fact Filing (AFF)

5. **Project**
Upper Mill Brook Conservation Area **15** **028A**

Location Address Assessors Map(s) Parcel(s)

Project Description (PLEASE PRINT): **Construction of a 69' long bridge / boardwalk across a space of wetlands to improve existing trail conditions and reduce wetlands degradation.**
See attachment for more information.

6. **Title/Date of Plan(s)**

7. **Bylaw Application Fee:** **$ NA**

8. **Application filed pursuant to MGL Chapter 131, Section 40** [x] Yes [ ] No

9. **Signature of Applicant** Conservation Department Date 09.10.2019

Signature of Property Owner Wayland Conservation Department Date 09.10.2019

(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)

FEES- Wetlands and Water Resources Bylaw (Chapter 194) and Stormwater and Land Disturbance Bylaw(Chapter 193)

ADOPTED: May 10, 2005
Effective June 8, 2005

RDA (1) – S.f.h. addition/Landscaping/ Septic Repair (w/on-site grading, other than septic, less than 1,000 s.f.): Work less than 50' from wetlands	$100.00
RDA (1): Work, including grading more than 50' from wetlands	$ 50.00
RDA – Determination of Conservation Commission jurisdiction, *w/no proposed work*	$100.00/40,000 s.f. of lot area
Other RDA – Work less than 50' from wetlands	$150.00
Other RDA – If no alteration of resource area is proposed, except buffer zone more than 50' from wetlands	$100.00
Other RDA – w/alteration of resource area more than 50' from wetlands, excluding buffer zone	$100.00 + .25/s.f. of resource area impacted (excluding buffer zone)
NOI – Single-family addition and on-site grading less than 2,000 s.f. and work more than 50' from wetlands	$50.00
NOI – Single-family addition and on-site grading less than 2,000 s.f. and work less than 50' from wetlands	$100.00
NOI – New construction and *NO* alteration of v.w. or l.s.f.l. work less than 50' from wetlands	$200.00/unit
NOI – New construction and *NO* alteration of v.w. or l.s.f.l. and work more than 50 from wetlands	$100.00/unit
NOI –Other, work less than 50' from wetlands	$200.00
NOI –Other, work more than 50' from wetlands	$100.00
NOI – w/alteration of v.w. and/or l.s.f.l. and work less than 50' from wetlands	$200.00 + .25/s.f. of resource area impacted
NOI – w/alteration of v.w. and/or l.s.f.l. and work more than 50' from wetlands	$100.00 + .25/s.f. of resource area impacted
NOI/RDA: Riverfront Area –Work within 100' and 200' of mean annual high water (First application)	Two times the applicable fee
NOI/RDA: Riverfront Area – work between 100' and 200' of mean annual high water (First application)	Applicable fee times 1.5
ANRAD	$100.00/40,000 s.f. of lot area
After the Fact Amendment	Applicable fee above + $100.00
After the Fact Filing	Double the applicable fee above
Amendment	$75.00
Extension	$25.00
Certificate of Compliance	$50.00/unit
Chapter 193- Stormwater Management and Land Disturbance Bylaw	$100.00

Abbreviations:
Request for Determination of Applicability (RDA)
Notice of Intent (NOI)
Request to Amend Order of Conditions (Amendment)
Abbreviate Notice of Intent – Resource Area Determination (ANRAD)
Single Family House (S.f.h.)
Vegetated Wetlands (v.w.)
Land Subject to Flooding and Inundation (l.s.f.l.)
Riverfront Area (R.A.)
Vernal Pool (V.P.)
Square Feet (s.f.)

*** NOTE:** Stormwater Management and Land Disturbance Bylaw, Chapter 193, has a separate filing fee. Please refer to the application for further submittal requirement.

NOTES:

- Legal advertising will be billed directly to the applicant.
- The Conservation Commission may seek consultant fees pursuant to the Rules and Regulations.
- These fees are in addition to the fees required for applications filed pursuant to the Wetlands Protection Act (MGL Chapter 131, Section 40).
- Payment of fee does NOT guarantee approval of project.
- Town, county, state, and federal projects may be exempted from fees upon request.

TOWN OF WAYLAND
Conservation Commission
41 COCHITUATE ROAD
WAYLAND, MASSACHUSETTS 01778

CHAPTER 194 Submittal Requirements

Upon submittal of any Bylaw application the applicant(s), property owner (if different), and their representative(s) must sign this checklist.

☐ Original and one copy of the MA Wetlands Protection Act ("WPA") application and Chapter 194 Bylaw application, including owner(s) signature, the applicant(s) signature, site plan(s), narrative, etc. *

NOTE: If a WPA Application is not filed, a copy of either a statement as to not applicable (limited generally to buffer zone or bordering land subject to flooding) or a valid Order of Resource Area Determination (ORAD) must be provided with copies.

☐ A separate check for all applicable Wetlands Act fees.

☐ A separate check for all applicable Chapter 194 Bylaw fees.

☐ A list of the 100' Abutters, certified by the Assessors Office.

☐ Evidence of Board of Health receipt of application or approval for all applications with septic work or home renovations.

*A copy of all documents submitted should be provided electronically to conservation@wayland.ma.us

Project Summary

☒ A narrative statement describing all of the activities proposed. If work is omitted from the narrative it may not be permitted.

☒ A narrative summary description of the types of resource areas on or near the site. Omission of resource areas is a basis for denial of the project as being incomplete.

☐ A narrative discussion how the project has been designed to minimize impacts to resource areas and how any mitigation has been proposed to better protect or enhance the resource areas during and after construction.

The Conservation Commission will evaluate the application based on the scope of the project and the potential impacts on the resource area (e.g. a wetland, pond, vernal pool, riverfront area, etc.) The Commission's priorities for project assessment are avoidance, minimization, and mitigation of impacts to resource area/s in that order. If mitigation is proposed, the Commission will require a 1:1.5 ratio of replication for impacts to wetlands and for buffer zones. The narrative should clearly address these priorities.

☐ A narrative discussion that presents justification, based on factors of technical or economic feasibility, why alternatives that might minimize or completely avoid adverse impact to the Riverfront Area, Floodplain, the Buffer Zone, and/or any other resource area are not being proposed. At a minimum there must be discussion of the alternative for no alteration.

The following items are required for Site Plans submitted with a Bylaw application; however, if the Applicant considers that the information is not relevant to the scope or scale of the proposed project, a Waiver(s) of requirements must be requested at the time of filing the application with the Conservation Commission.

TOWN OF WAYLAND
Conservation Commission
41 COCHITUATE ROAD
WAYLAND, MASSACHUSETTS 01778

Site Plan Minimum Requirements

The following shall be included on the Site Plan:

- ☐ Stamp of a Professional Engineer (P.E.) and/or a Professional Land Surveyor (P.L.S.) depending upon proximity to lot lines or project complexity.

  OR

- ☐ Stamp of a Registered Sanitarian (R.S.) is acceptable for designs of septic systems handling less than 2,000 gallons per day, with incidental site work.

- ☐ Grade elevations based on National Geodetic Vertical Datum (NGVD). Grade contours in the area of work shall be provided with at least 1-foot intervals.

- ☐ Plan Scale: 1 inch = 10 feet or 1 inch = 20 feet.

- ☐ Wetlands flagging with letters and/or numbers as defined in the field.

- ☐ Date that wetlands flagging was done and name of the wetland delineator (if GIS was used to wetlands, then include the GIS source.)

- ☐ Site Plans must clearly show existing conditions and proposed conditions, utilities, impervious surfaces, limit of lawn, trees greater than 6 inches in diameter proposed for removal, significant land features such as rock outcroppings, all Resource Areas (differentiate each) including Buffer Zone. *Note: It may be more comprehensible to submit two plans: an existing conditions plan and a proposed conditions plan.*

- ☐ Site plans must detail the permanent demarcation of the limit of lawn with minimum 30' offset from resource area for new construction, and minimum average 15' offset for existing dwellings.

- ☐ Locations and identifiers for <u>all</u> test pit locations.

- ☐ A cross-section of grading and profile for proposed septic systems.

- ☐ Locations for temporary stockpiles or storage of soils or demolition debris during construction.

- ☐ Access route for construction equipment and construction entrance location details.

- ☐ Location of erosion control barrier(s).

- ☐ Detail for installation of erosion control barrier(s).

- ☐ Location for refueling of equipment. (Outside buffer zone strongly preferred)

- ☐ Locations designated for snow storage, if necessary.

- ☐ Pre/Post-Construction Lot Coverage Summary for areas within by-law jurisdiction: a) Total lot area; b) total impervious area **(Note: impervious areas shall include, but are not limited to, roofs, decks, walks, and driveways)**; c) total landscaped/lawn area; and d) total area altered during construction (including temporary impacts).

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Conservation Commission
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Drainage Requirements

The Commission seeks to protect water quality of surface waters and groundwater, and to limit any increase in the rate or quantity of runoff of storm water from the property.

☐ For projects adding less than or equal to 500 square feet of impervious area, a narrative description of specific measures used to provide for infiltration of runoff equivalent to runoff this additional impervious area. Those measures must be clearly depicted on the Site Plan as a specification.

OR

☐ For projects adding more than 500 square feet of impervious area,

- ☐ A narrative discussion of the methods and all assumptions used in the drainage calculations
- ☐ A plan showing drainage catchment areas
- ☐ Supporting calculations (i.e. HydroCAD) stamped by a P.E.
- ☐ Summary tables presenting Pre/Post Construction Storm Water Runoff Rates and Volumes for a 1-inch storm event, a 10-year, and a 100-year storm events. Note: Rainfall of at least 8 inches in 24 hours must be used for 100-year storm event.
- ☐ Compliance with DEP's Stormwater Management Standards.

☐ Narrative description of structural and non-structural best management practice (BMP) (See "Definitions), controls for storm water management for the project during construction phases and for long term site management:

- ☐ Evaluation of BMP selection and factors of site suitability including: soils, drainage area, depth to water table, depth to bedrock, slopes and proximity to wells and foundations
- ☐ Discussion of construction phasing
- ☐ Relevant site characterization data for design
- ☐ Water quality calculations for total suspended solids (TSS) removal
- ☐ Calculated storm water recharge rate
- ☐ Calculated peak discharge rate

☐ Maintenance requirements and site inspections templates for BMPs must be specified. Operation and Maintenance (O&M) plans for Stormwater shall be submitted with the application describing short-term BMPs (during construction) and long-term BMPs (post-construction) for management of the drainage structures, roadway and/or parking lot (as applicable) including but not limited to sweeping; catch basin cleaning; snow storage and erosion controls, such as hay bales or sediment fences. The drainage components (Best Management Practice – BMP) shall be as described using terminology in the most recent version of the DEP Storm water Technical Handbook, March 1997. A Plan for protecting the post-construction BMPs during construction shall be include in the O&M Plan.

☐ Aquifer Protection District – If the project is within this area, a narrative description of how the project complies with aquifer protection requirements.

TOWN OF WAYLAND
Conservation Commission
41 COCHITUATE ROAD
WAYLAND, MASSACHUSETTS 01778

Soils Information

☐ Septic Systems or Drainage BMPs (where applicable) - Clear statement of how many test pits or borings were conducted for the project planning and engineering evaluations and what number and types of analytical methods may have been applied for soils characterization including visual evaluation, percolation tests, field screening, and laboratory analyses.

☐ Septic Systems and/or applicable drainage BMP - Copies of all soil data including boring and/or test pit logs.

☐ Wetland field data forms that document observations made during the wetland delineation including soil or test pit logs.

Waivers

In the event that Applicant considers certain required information to be, in their opinion, not relevant to the scope or scale of the proposed project Applicant may request a Waiver of the requirements with this application to the Conservation Commission. Indicate all provisions requested for Waiver below designating the specific paragraph number/letter designation.

Site Plan Minimum Requirement Waiver(s) ☐ None ☐ List_____

Drainage Requirement Waiver(s) ☐ None ☐ List_____

Soils Information Waiver(s) ☐ None ☐ List_____

If applicable, attach a statement for justification of the requested waivers.

In the event that any requested Waiver is not granted by the Commission or the application is otherwise found to be deficient in providing required information the hearing may at the discretion of the Commission either be closed and denied for the lack of information or continued for a specific timeframe approved by the Commission for the Applicant to submit the required information.

The Commission has authorized its Administrator to review projects and to not accept project applications under the Bylaw that have apparent deficiencies to meeting the above requirements. Notwithstanding that authority, acceptance of an application by the Administrator does not represent a decision that the application is fully complete. Deficiencies identified by the Administrator will be report to the applicant and the Commission during the hearing.

The property owner, as well as the applicant and/or representative (if different from owner) must sign this checklist and all other applicable applications. The property owner, by signing this checklist and the applications, acknowledges that the Commission and Staff may enter the property to inspect the premises as part of the assessment of the application.

_____ _____

Property Owner's Name (Print) Property Owner's Signature Date

I certify under penalty of law that this document and all its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

_____ _____

Applicant's Name (Print) Applicant's Signature Date

Town of Wayland

41 COCHITUATE ROAD
WAYLAND MASSACHUSETTS 01778
www.wayland.ma.us TEL. 508-358-3788

LIST OF ABUTTERS
REQUEST FOR CERTIFICATION

PLEASE ALLOW 10 BUSINESS DAYS FOR A LIST TO BE CERTIFIED BY ASSESSORS PER MGL CH. 66, S.10
LISTS ARE CERTIFIED ON A" FIRST COME, FIRST SERVE" BASIS PLEASE PLAN YOUR SUBMISSION ACCORDINGLY

Date of request _____ Telephone: _____

Name Of Applicant _____ Signature of Applicant _____
Please Print

Company's Name _____

Mailing Address _____

Location of Property _____
To Be Certified

Map Number _____ Parcel _____

***Please check with the Board/Commission for their guidelines, each Board/Commission has its own regulations for their abutters listing.

This is to certify that at the time of the last assessment for taxation made by the Town of Wayland, the names and addresses are the assessed owners to these parcels.

Certified By: _____ Date: _____

CC:

☐ Conservation ☐ Board Of Health ☐ Other _____

Notification to Abutters
Under the Wayland Wetlands and Water Resources Protection Bylaw

In accordance with Chapter 194 of the Town of Wayland Bylaws, you are hereby notified of the following:

A. The name of the **Applicant** is _____

B. The Applicant has filed a Chapter 194 application with the Wayland Conservation Commission for permission to remove, fill, dredge, or alter an Area Subject to Protection (Wetland Resource Area and/or Buffer Zone) Under the Wayland Wetlands and Water Resources Protection Bylaw (Chapter 194).

C. The **address** of the lot where the activity is proposed: _____
Map:_____ Lot:_____

D. The **proposed activity** is: _____

_____

_____

D. A **Public Hearing** regarding this application will be held on:
- ☐ Thursday,_____ at _____ PM at Town Hall (41 Cochituate Road, Wayland).
- ☐ Information regarding the date, time, and place of the public hearing may be obtained from the applicant or the Wayland Conservation Commission (check website).

E. Copies of the Chapter 194 may be examined at **THE WAYLAND CONSERVATION COMMISSION OFFICE** at Wayland Town Hall between the hours of 8:00 A.M. & 4:00 P.M. Monday – Thursday and 8:00 A.M. & 12:30 P.M Friday. For more information, call: 508-358-6339.

F. Copies of the Chapter 194 application may be obtained from either:
- ☐ The Applicant, or the Applicant's representative _____, by calling this telephone number: _____ between the hours of _____ on the following days of the week: _____.

Note: Public Hearing Notice, including its date, time, and place, will be published at least 5 days in advance in the **Wayland Town Crier or MetroWest Daily News** (at the applicant's expense).

Since you are receiving this notice, you may have wetland or riverfront resource areas on your property.
Therefore, construction, cutting, clearing, or grading may require a permit. For clarification or for more information, call the Conservation office 508-358-3669 or visit our web site: http://www.wayland.ma.us/Pages/WaylandMA_Conservation/index