

# Accessing MassDEP GIS Data Online

March 2, 2022

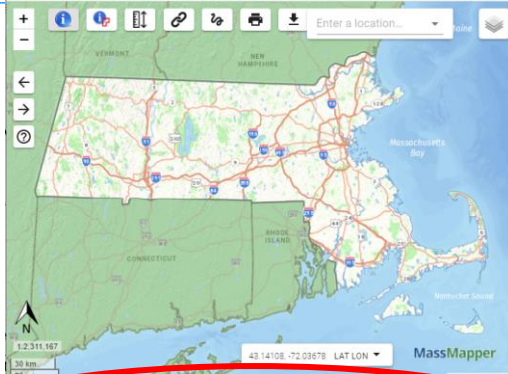
Presented by the MassDEP GIS Program

# Accessing MassDEP GIS Data Online

Mass GIS: <https://www.mass.gov/orgs/massgis-bureau-of-geographic-information>

MassGIS's Online Data Viewer  
Application MassMapper:

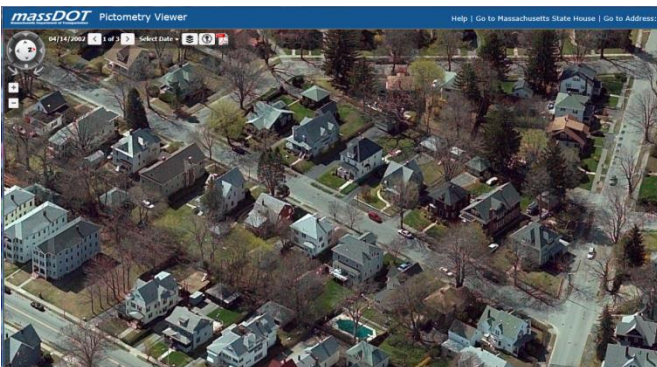
<https://maps.massgis.digital.mass.gov/MassMapper/MassMapper.html>



Mass Mapper MassDEP  
Permalink

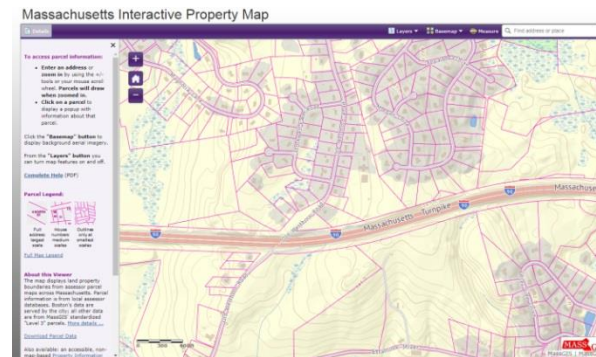
Pictometry:

<https://gis.massdot.state.ma.us/dataviewers/pictometry/>



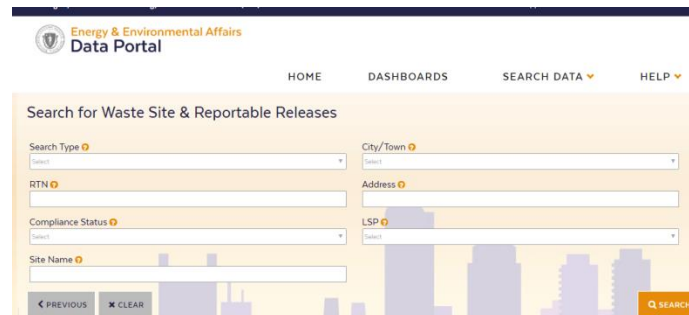
MassGIS's Online Interactive Property Map:

<http://massgis.maps.arcgis.com/apps/OnePane/basicviewer/index.html?appid=47689963e7bb4007961676ad9fc56ae9>



MassDEP Data Portal/Searchable sites:

<https://eeonline.eea.state.ma.us/portal#!/search/wastesite>



Environmental Justice Map Viewer:  
[Environmental Justice Populations in Massachusetts \(arcgis.com\)](https://www.arcgis.com)



# What Information Does MassDEP GIS Staff Map?

- Public Water Supplies and their protection areas
- Title 5 Buffers
- Facilities using or storing hazardous material
- Facilities with air quality permits
- Landfills, compost and recycling sites
- 21e Sites – both current and past
- Wetlands and other hydrography
- CSO's
- And much more...



# Using MassMapper to view MassDEP GIS Data

- Zoom to an Address
- Add MassDEP data
- Change the basemap
- Query a feature
- Change the symbol color
- Print and Save a map



# Accessing MassMapper:

<https://maps.massgis.digital.mass.gov/MassMapper/MassMapper.html>

The screenshot shows the MassMapper web application in a browser window. The browser address bar displays the URL: <https://maps.massgis.digital.mass.gov/MassMapper/MassMapper.html>. The main map area shows a topographic map of Massachusetts with a white splash page overlay. The splash page features the MassMapper logo, the text "An interactive map for Massachusetts", and logos for "MassGIS" and the "Executive Office of Technology and Security Services". A disclaimer states: "DISCLAIMER: The information available through MassMapper is for reference purposes only and should not be used to make legal or other binding decisions. Each map feature in the legend links to detailed information, including its source, that you can use in determining its suitability for your intended purpose." Below the disclaimer is a blue button with a right arrow and the word "ENTER". A checkbox labeled "Don't show this splash page again, please" is present. A link for "License information" is at the bottom of the splash page. The map interface includes a toolbar with icons for zooming, panning, and other map functions. A search box at the top right of the map area contains the text "Enter a location...". On the right side, a legend lists various map layers with expandable arrows: Census, Coastal and Marine Features, Conservation / Recreation, Cultural Resources, Environmental Monitoring (testing/monitoring sites), Images, Index (grids/tiling schemes for certain layers), Infrastructure, Physical Resources, Political / Administrative Boundaries, Regulated Areas, Status / Availability (maps showing where data available or date of data), and Tiled Layers. At the bottom right of the legend, there is a checked checkbox for "Property Tax Parcels" with a link to "Property Tax Parcels". The bottom left of the map shows a north arrow, a scale bar for 30 km and 20 mi, and the coordinates "1:2,311,167". The bottom right of the map area shows the coordinates "40.87199, -72.50322 LAT LON" and the "MassMapper" logo with "Leaflet | MassGIS" below it.

Or use the MassDEP Permalink to Mass Mapper:

[Mass Mapper MassDEP Permalink](#)



# Layers included in the MassDEP Permalink to Mass Mapper

- [Massachusetts Municipalities Black Labels](#)
- [AUL Labels](#)
- [AULs](#)
- [DEP Tier Classified 21E Sites](#)
- [Public Water Supplies](#)
- [MassDEP Water Quality Monitoring Stations](#)
- [Underground Storage Tanks](#)
- [IWPA's Dissolved](#)
- [Zone IIs Dissolved](#)
- [ⓘ Title 5 Buffers](#)
- [DEP Wetlands Labels](#)
- [DEP Wetlands Outlines Only](#)
- [Massachusetts Municipalities Multipart Polygons](#)

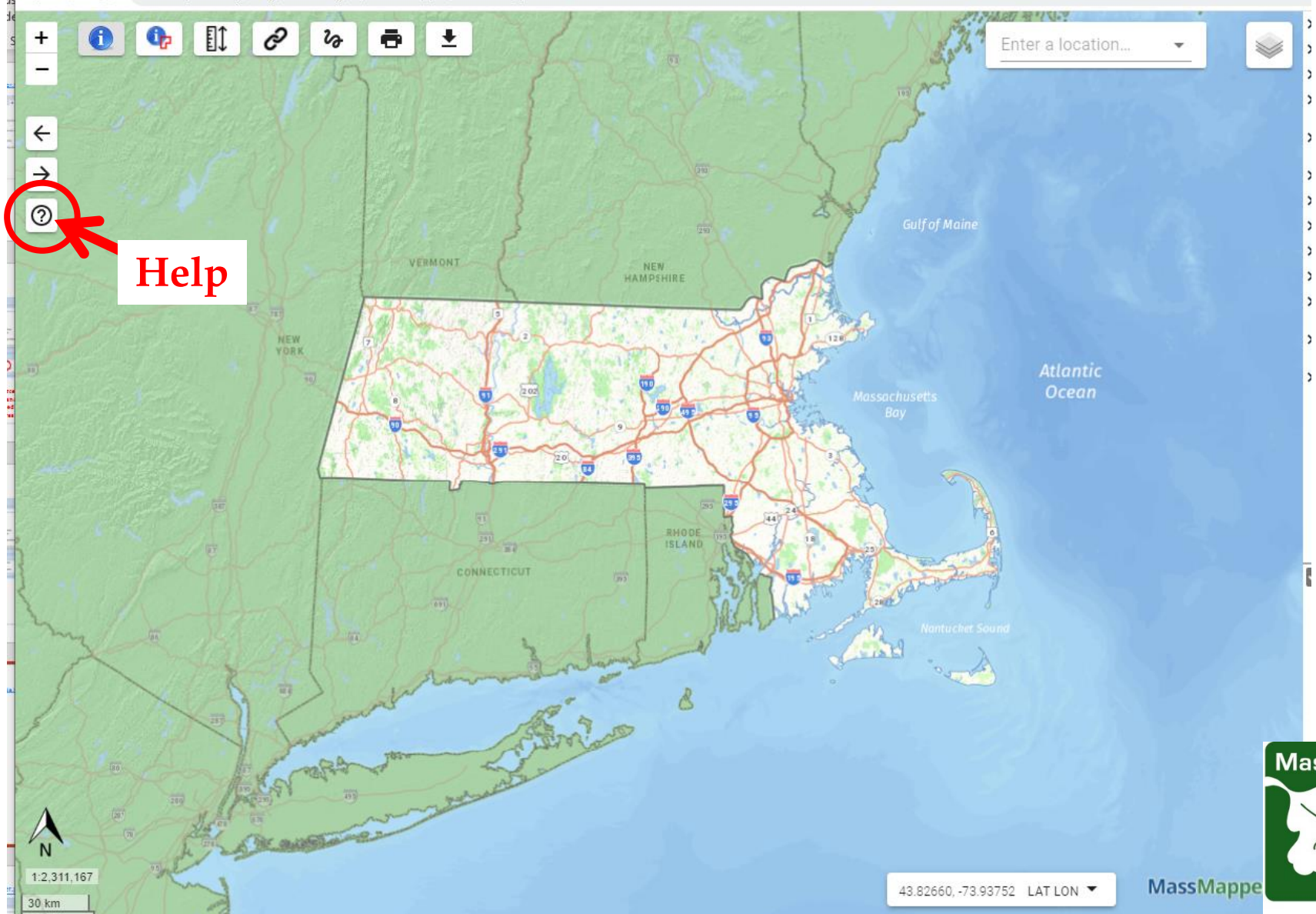
- [Zone A](#)
- [Zone B](#)
- [Zone C](#)
- [Landfills by Waste Type Points](#)
- [Landfills by Waste Type Polygons](#)
- [Non Potential Drinking Water Source Areas](#)
- [Census 2020 Environmental Justice Populations](#)
- [DEP Regions](#)





# MassMapper Help:

<https://maps.massgis.digital.mass.gov/MassMapper/MassMapperUserGuide.htm>



# Adding Data:

The screenshot shows a web-based GIS application. On the left is a map of Massachusetts with major cities like Boston, Lowell, and Worcester labeled. At the top of the map area is a search bar with the text "Enter a location...". To the right of the map is a layer selection panel. At the top of this panel is a search bar with the text "Search for a layer". Below this is a list of categories with expandable arrows (›). A red arrow points from the "Infrastructure" category in the list to a sub-menu that is open, showing a list of infrastructure-related data layers. At the bottom of the layer selection panel are several icons and the text "Property Tax Parcels".

Search for a layer

- › Census
- › Coastal and Marine Features
- › Conservation / Recreation
- › Cultural Resources
- › Environmental Monitoring (testing/monitoring sites)
- › Images
- › Index (grids/tiling schemes for certain layers)
- › Infrastructure
- › Physical Resources
- › Political / Administrative Boundaries
- › Regulated Areas
- › Status / Availability (maps show where data is available or date of data)
- › Tiled Layers

Property Tax Parcels

Use the drop down categories to search for data

- › Infrastructure
  - › Airports
  - › Aqueducts
  - › Area Codes
  - › Boston Harbor Water Taxi Stops
  - › Buildings
  - › Community Health Centers
  - › Courthouses
  - › Dams
  - › DEP Basins

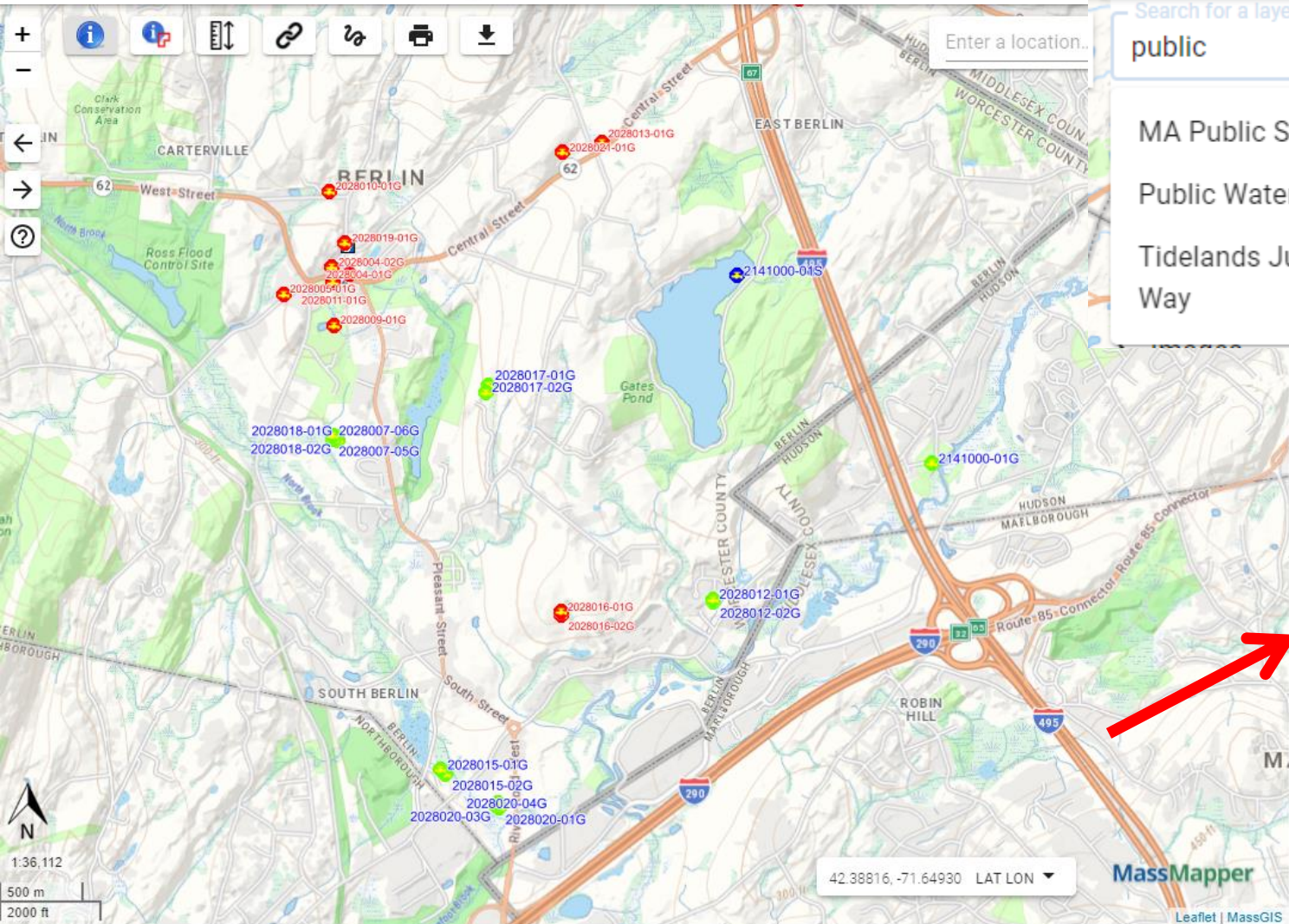








# Adding Public Water Supplies:



Search for a layer:

- MA Public School Districts
- Public Water Supplies
- Tidelands Jurisdiction Chapter 91 Public Way

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- Airports Labels
- Aqueducts
- Area Codes
- Boston Harbor Water Taxi Stops
- Buildings
- Building Structures Download Links
- Building Structures (2-D)
- Public Water Supplies**
  - Community Groundwater Well
  - Non-Community Groundwater Well
  - Surface Water Intake
  - Emergency Surface Water Intake
  - Community Labels
  - Non-Community Labels
- Libraries Buildings
- Property Tax Parcels

Includes:  
 Groundwater wells, tubular wellfields, surface water intakes  
 All active, inactive but not abandoned sources





# Turning Data On and Off:

Enter a location...

- > Census
- > Coastal and Marine Features
- > Conservation / Recreation
- > Cultural Resources
- > Environmental Monitoring (testing/monitoring sites)
- > Images
- > Index (grids/tiling schemes for certain layers)
- > Infrastructure
- > Physical Resources
- > Political / Administrative Boundaries
- > Regulated Areas
- > Status / Availability (maps showing where data is available or date of data)
- > Tiled Layers

- [Active Landfills](#)  
Active Landfills
- [Zone IIs](#)
- [DEP BWP Major Facilities Hazardous Waste Recyclers](#)
- [Property Tax Parcels](#)

**Click the check boxes to turn layers on/off**

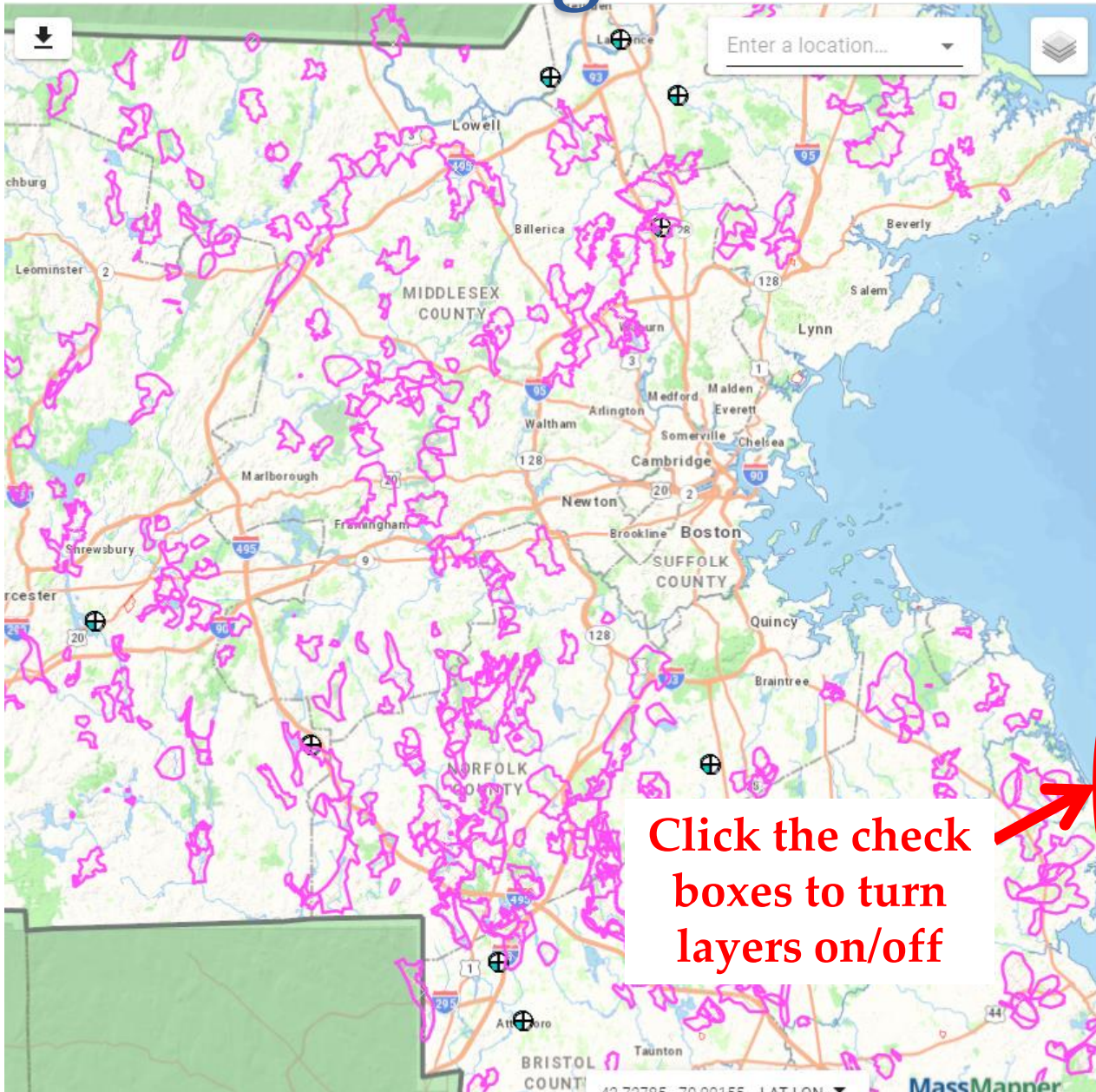
42.66325, -71.80212 LAT LON

MassMapper  
Leaflet | MassGIS





# Turning Data On and Off:



- > Census
- > Coastal and Marine Features
- > Conservation / Recreation
- > Cultural Resources
- > Environmental Monitoring (testing/monitoring sites)
- > Images
- > Index (grids/tiling schemes for certain layers)
- > Infrastructure
- > Physical Resources
- > Political / Administrative Boundaries
- > Regulated Areas
- > Status / Availability (maps showing where data available or date of data)
- > Tiled Layers

- [Active Landfills](#)
- Active Landfills
- [Zone IIs](#)
- [DEP BWP Major Facilities Hazardous Waste Recyclers](#)
- [Property Tax Parcels](#)

**Click the check boxes to turn layers on/off**

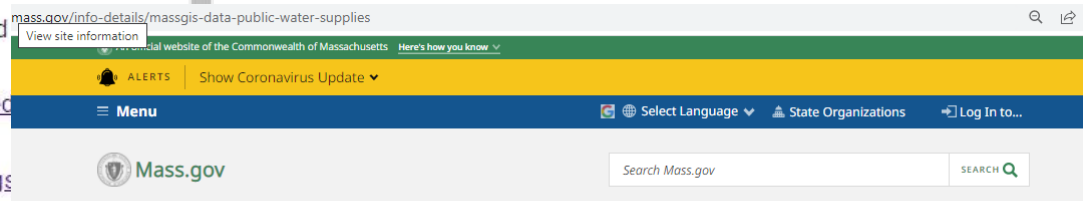
**Click the trashcan to remove a layer**



# Accessing Datalayer Descriptions



Left Click Layer  
Name to go to the  
Datalayer  
Description Online



OFFERED BY MassGIS (Bureau of Geographic Information)

## MassGIS Data: Public Water Supplies

December 2021

The Public Water Supply (PWS) datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

### TABLE OF CONTENTS

- Downloads
- Overview
- Production
- Attributes
- Related Datalayers
- Related Database Tables
- Maintenance
- Related



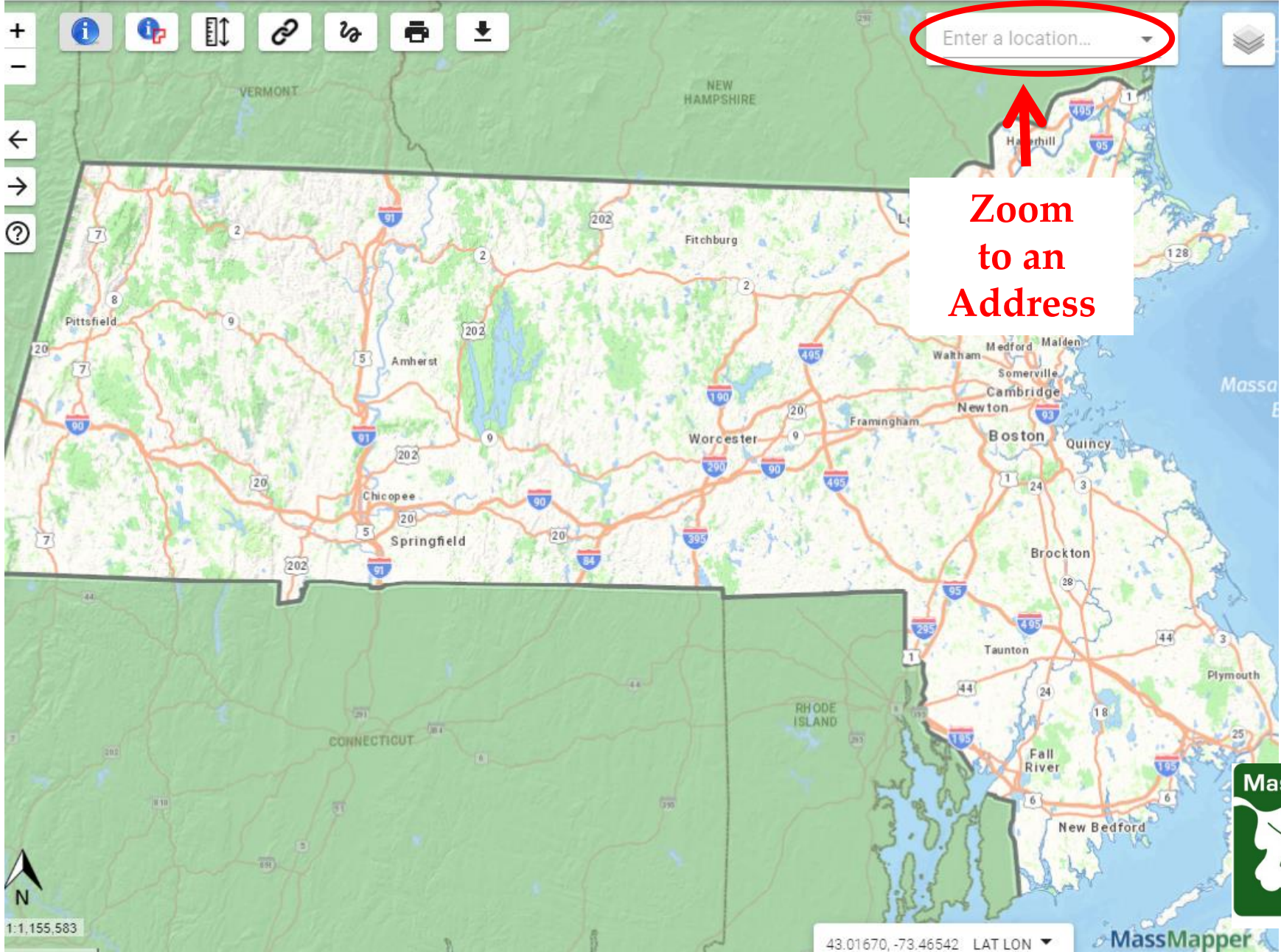








# Zoom to a Location with an Address:



MassDEP



MassMapper



# Zoom to a Location with Coordinates:

The image shows a screenshot of the MassMapper web application. At the top left, there is a toolbar with icons for zooming in (+), zooming out (-), information (i), layers, street view, link, print, and download. A search bar at the top right contains the text "Enter a location..." and is circled in red. A red arrow points from the search bar to a white callout box with red text that reads: "Type lat/long here – don't forget the Minus sign!". The map displays a portion of Massachusetts, showing major highways (Interstates 90, 91, 495, 95, 190, 290, 395, 202, 7, 8, 9, 20, 24, 25, 28, 38, 44, 6, 18, 195, 1) and cities such as Pittsfield, Amherst, Springfield, Worcester, Fitchburg, Framingham, Brockton, Taunton, Fall River, and New Bedford. The map also shows neighboring states: Vermont to the north, New Hampshire to the northeast, Connecticut to the southwest, and Rhode Island to the south. A north arrow and a scale of 1:1,155,583 are visible in the bottom left corner. The bottom right corner shows the coordinates "43.01670, -73.46542" and a dropdown menu set to "LAT LON". The MassMapper logo is in the bottom right corner, and the MassDEP logo is in the bottom right corner.

Type  
lat/long  
here –  
don't  
forget the  
Minus  
sign!

MassDEP



MassMapper

43.01670, -73.46542 LAT LON



# Zoom to a Location with Coordinates:

42.34840 -71.0407

- 2 Seaport Ln, Boston, MA 02210, USA
- Congress St, Boston, MA 02210, USA
- Seaport District, Boston, MA, USA
- Boston, MA 02210, USA
- South Boston, Boston, MA, USA
- Boston, MA, USA
- Suffolk County, MA, USA
- Massachusetts, USA

**Typing in coordinates will cause the nearest address to show**

1:288,896  
5 km  
3 mi

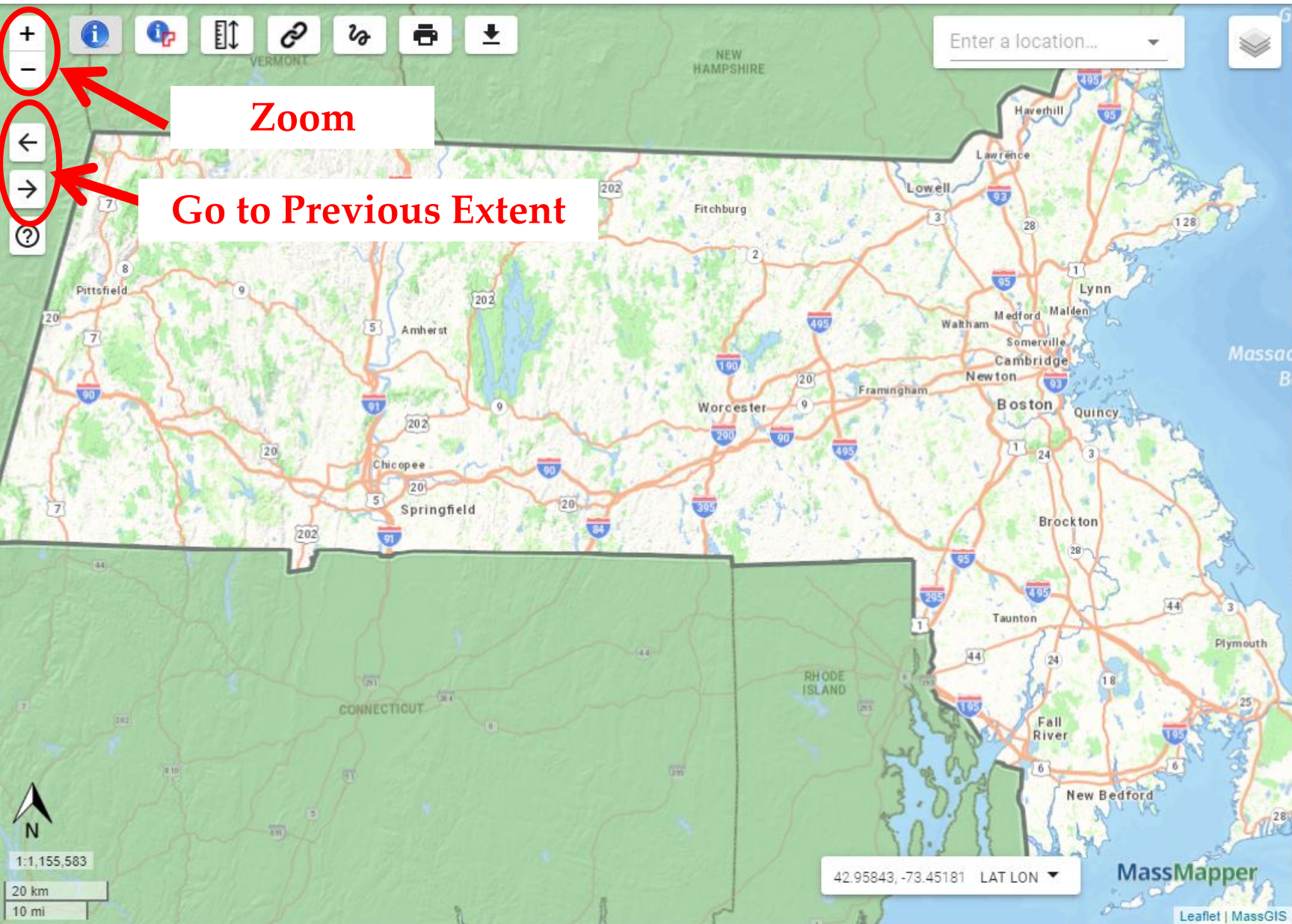
42.34586, -72.06474 LAT LON

MassMapper  
Leaflet | MassGIS

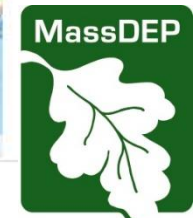




# Zoom/Pan to a Location:



- > Boston Harbor
  - ✓ Buildings
    - Building
    - Building
  - > Community
  - > Courthouse
  - > Dams
  - > DCR Pools
  - > Farmers Market
  - > Ferry Route
  - > Fire Station
  - > Highway Mileage
  - > Hospitals
  - > Ice Rinks
  - ✓ Libraries
    - ✘ Libraries
    - ✘ Libraries
  - > Lighthouse
  - > Long Term
- ✓ □ ≡ ⌚ Pr





# Measuring Tools:



## Measuring Tools

Length: \_\_\_\_\_

Area: \_\_\_\_\_

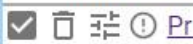
ft

m

mi

To get out of the measuring tool just click the ruler button again

- > Boston Harbor
- ✓ Buildings
  - Building
  - Building
- > Community
- > Courthouse
- > Dams
- > DCR Pools
- > Farmers Markets
- > Ferry Routes
- > Fire Stations
- > Highway Mileage
- > Hospitals
- > Ice Rinks
- ✓ Libraries
  - ✖ Libraries
  - ✖ Libraries
- > Lighthouses
- > Long Term





# Identify Tools:



The screenshot shows the MassMapper web application interface. At the top, there are two icons for identify tools: a blue circle with a white 'i' and a grey square with a blue 'i' and a red square outline. Below these icons, there are three red arrows pointing to specific features on the map. The first arrow points to the blue 'i' icon in the top toolbar, which is circled in red. The second arrow points to a single blue 'i' icon on the map. The third arrow points to a red square outline on the map. In the bottom left corner, there is a MassDEP logo. At the bottom right, there is a coordinate display showing '42.55510, -71.86567' and 'LAT LON'. The map shows various towns in Middlesex County, Massachusetts, including Groton, Lunenburg, Harvard, and Framingham. A search bar at the top right contains the text 'Enter a location...'. A toolbar at the top left contains various navigation and tool icons. A 'Identify Results' panel is open on the left side of the map, showing a table of results for the 'Libraries Buildings' data layer.

**Identify Tools**

**Identify single click**

**Identify features within an area**

Identify Results

<input type="checkbox"/>	name	addr...	town	sta
<input type="checkbox"/>	HARVARD PUBLIC	4 POND ROAD	HARVARD	MA

SAVE ALL FEATURES AS...  
SAVE SELECTED FEATURES AS...

42.55510, -71.86567 LAT LON

MassMapper

Leaflet | MassGIS



# Identify Tools:



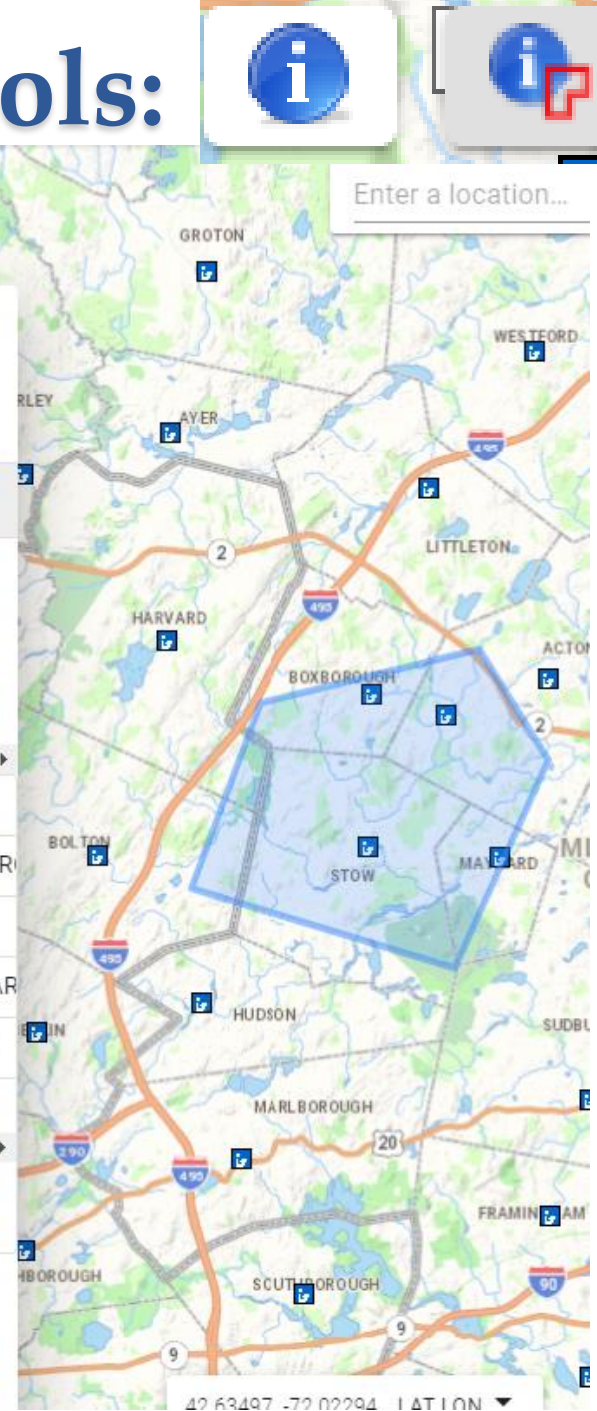
Identify Features Within a Shape

**Identify Results** [Close] [Full Screen]

Data Layer Name  
Libraries Buildings

<input type="checkbox"/>	name	addr...	town
<input type="checkbox"/>	SARGENT MEMORIAL LIBRARY	427 MASSACHUS	BOXBOR
<input type="checkbox"/>	RANDALL LIBRARY	19 CRESCENT ST	STOW
<input type="checkbox"/>	MAYNARD PUBLIC LIBRARY	77 NASON STREE	MAYNAR
<input type="checkbox"/>	WEST ACTON CITIZEN'S LIBRA	21 WINDSOR AVE	ACTON

[SAVE ALL FEATURES AS...]  
[SAVE SELECTED FEATURES AS...]





# Changing the Basemap:

The screenshot displays a web mapping application interface. At the top, a toolbar contains icons for zooming, information, layers, and other map functions. A search bar with the text "Enter a location..." is visible. A red circle highlights the layers icon in the toolbar. A dropdown menu is open, listing several basemap options:

- MassGIS Basemap
- 2021 Aerial Imagery
- 2019 Aerial Imagery
- USGS Topographic Quadrangle Maps
- OpenStreetMap Basemap
- ESRI Streets Basemap
- ESRI Light Gray Basemap

Below the list is an "Opacity (100%)" slider, currently set to 100%.

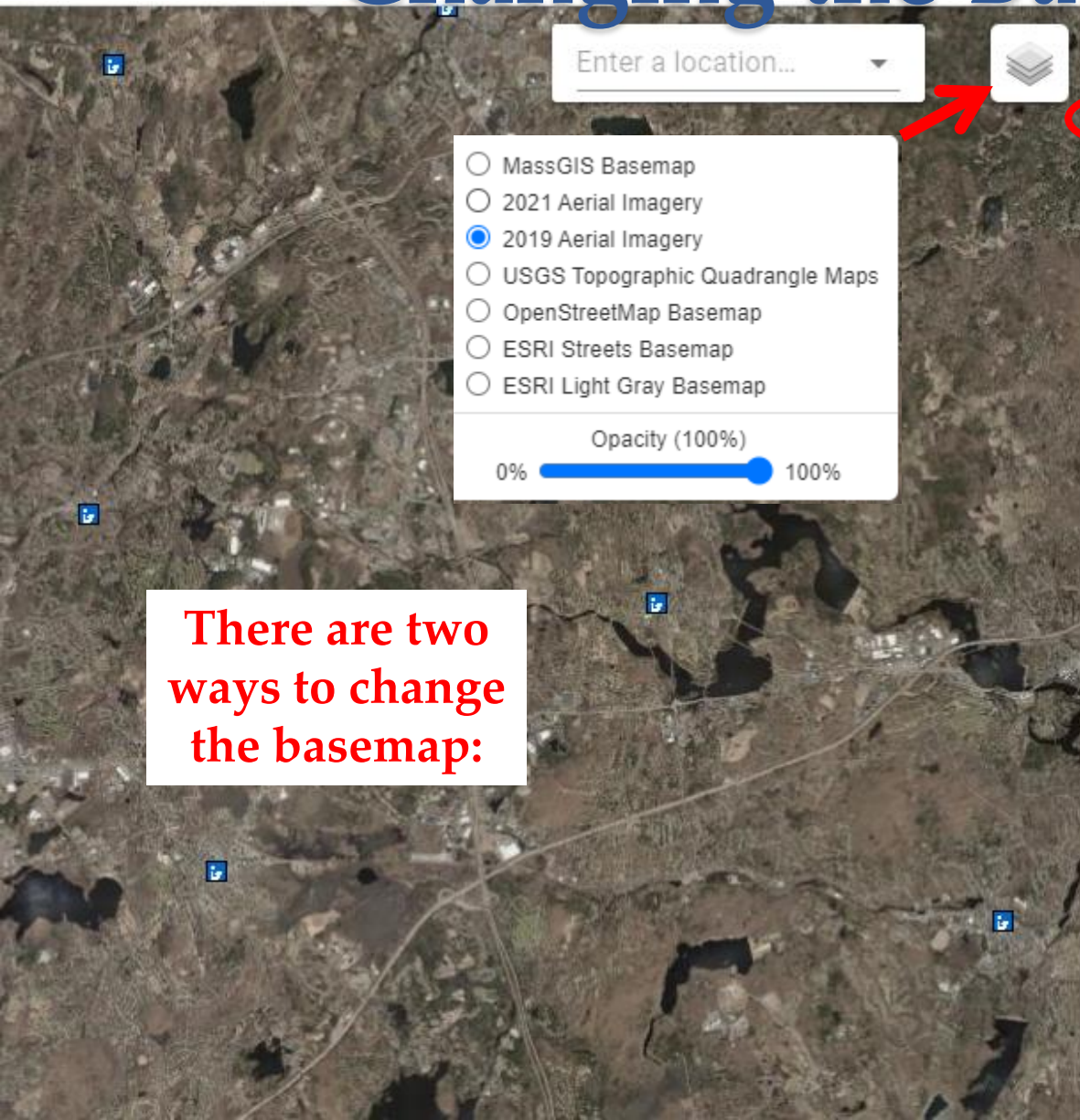
On the right side, a layer list is visible, including:

- Boston Harbor Water
- Buildings
- Building Structures
- Community Health Ce
- Courthouses
- Dams
- DCR Pools
- Farmers Markets
- Ferry Routes
- Fire Stations
- Highway Mile Marker
- Hospitals
- Ice Rinks
- Libraries
- Libraries Buildings
- Libraries Labels
- Lighthouses
- Long Term Care Resid
- Libraries Building
- Property Tax

The map shows a region in Massachusetts, including towns like Sterling, Bolton, Clinton, Berlin, Northborough, Southborough, and Framingham. Major roads like I-90, I-495, and I-290 are visible. A scale bar in the bottom left shows 1:144,448, 2 km, and 1 mi. A coordinate box at the bottom center displays "42.27451, -71.65037 LAT LON". The MassMapper logo and "Leaflet | MassGIS" are in the bottom right.



# Changing the Basemap:



Enter a location...

- MassGIS Basemap
  - 2021 Aerial Imagery
  - 2019 Aerial Imagery
  - USGS Topographic Quadrangle Maps
  - OpenStreetMap Basemap
  - ESRI Streets Basemap
  - ESRI Light Gray Basemap
- Opacity (100%)
- 0%  100%

- Environmental Monitoring (testing/monitoring sites)
- Images**
  - Elevation with Shaded Relief
  - Impervious Surface
  - Aerial Photos (Ortho Imagery)
    - 2021 Aerial Imagery
    - 2019 Aerial Imagery
    - 2015 Satellite Imagery
    - 2013-2014 Aerial Imagery
    - 2011-2012 Aerial Imagery
    - 2008/2009 Aerial Imagery
    - 2005 Aerial Imagery
    - 2005 Aerial Imagery Download Links
    - 2001 Aerial Imagery
    - 2001 Aerial Imagery Download Links
    - 1994 Coastal Aerial Imagery Download Links
    - Links
    - 1990s Black and White Aerial Imagery
    - 1990s Aerial Imagery Download Links
  - USGS Topographic Maps
  - Wind Speed
- [Libraries Buildings](#)
- [Property Tax Parcels](#)

**There are two ways to change the basemap:**





# Changing the Basemap – Adding Streets and Parcels to Orthos:

Enter a location...

- > Census
- > Coastal and Marine Features
- > Conservation / Recreation
- > Cultural Resources
- > Environmental Monitoring (testing/monitoring sites)
- > Images
- > Index (grids/tiling schemes for certain layers)
- > Infrastructure
- > Physical Resources
- > Political / Administrative Boundaries
- > Regulated Areas
- > Status / Availability (maps showing where data is available or date of data)
- > **Tiled Layers**
  - ▣ Structures
  - ▣ Property Tax Parcels
  - ▣ Detailed Features
  - ▣ Map Features for Imagery
  - ▣ FEMA National Flood Hazard Layer

**Add Ortho friendly Streets and Parcels to the map**

- [Property Tax Parcels](#)
- [Detailed Features](#)
- [2019 Aerial Imagery](#)
- [Massachusetts Municipalities Black Labels](#)
- [AUL Labels](#)
- [AULs](#)
- [DEP Tier Classified 21E Sites](#)
- [Public Water Supplies](#)
- [MassDEP Water Quality Monitoring Stations](#)
- [Underground Storage Tanks](#)
- [IWPA's Dissolved](#)

MassDEP



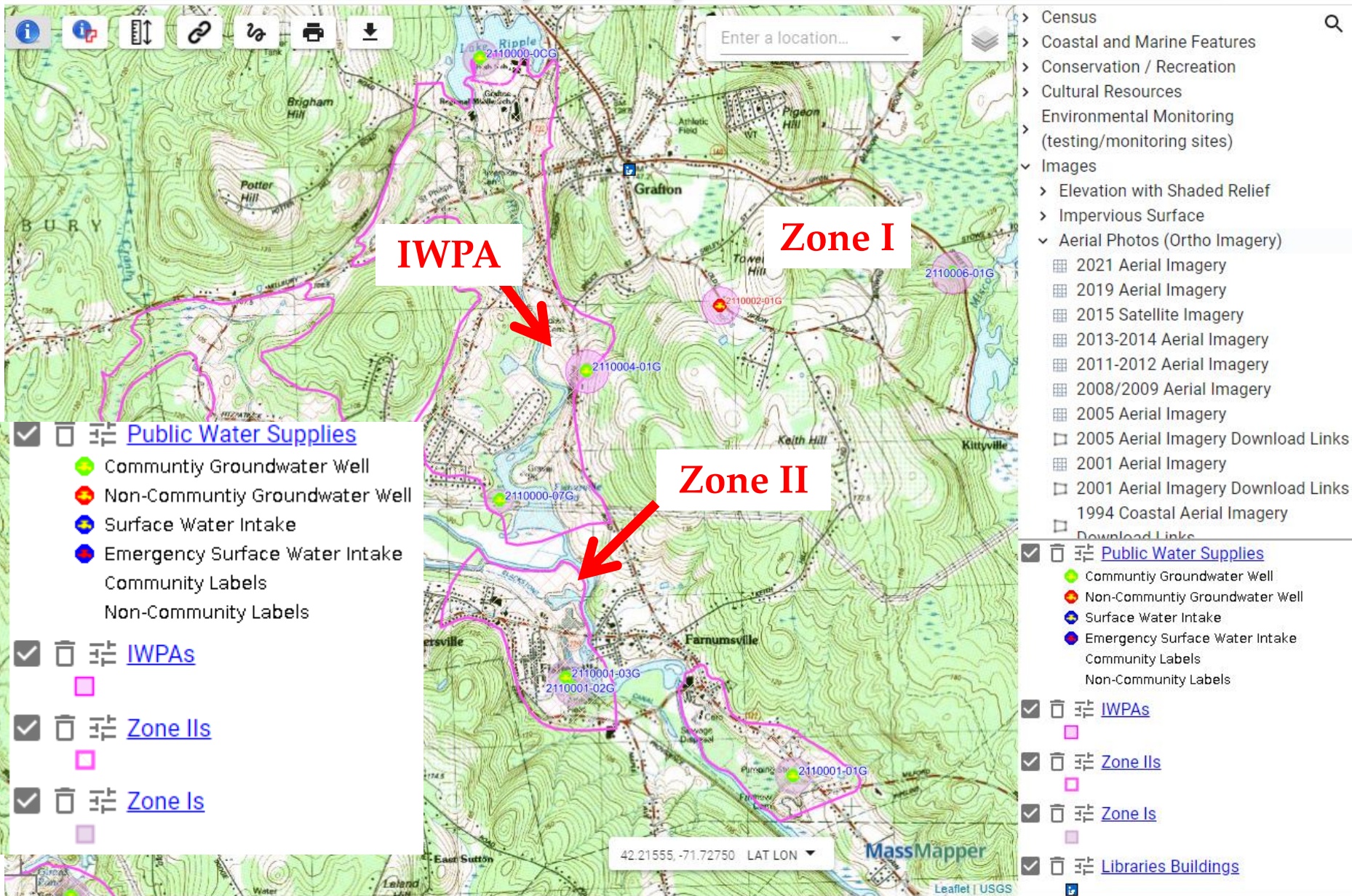
# Wellhead Protection Areas

Last updated January, 2019

- Zone I's - >100,000 GPD = 400 Feet; tubular wellfields = 250 feet; all others 150x log pumping rate in GPD - 350
- Zone II's - A Zone II is a wellhead protection area that has been determined by hydro-geologic modeling and approved by MassDEP's Drinking Water Program (DWP).
- Town regulated Zone C's are not shown
- IWPA's – Interim Wellhead Protection Area (IWPA) is established based on DEP DWP well pumping rates or default values.
- Zone III's – not mapped by MassDEP
- For more info:  
[https://www.mass.gov/files/documents/2016/10/us/310c\\_mr22\\_372\\_16185.pdf](https://www.mass.gov/files/documents/2016/10/us/310c_mr22_372_16185.pdf)

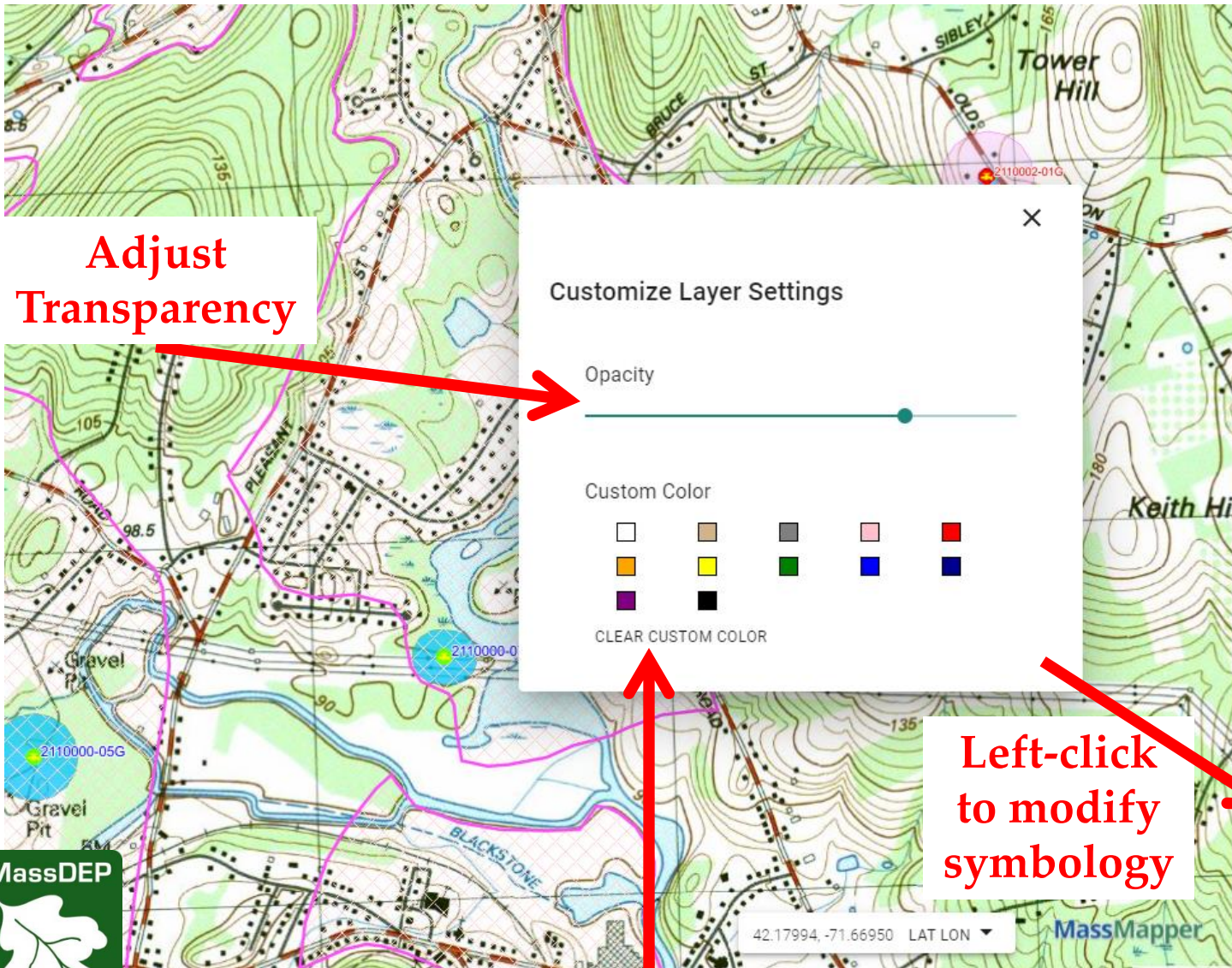


# Zone I's, II's, and IWPA's





# Changing Layer Symbology

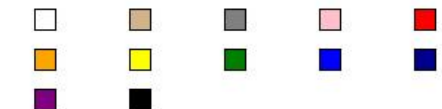


**Adjust  
Transparency**

Customize Layer Settings

Opacity

Custom Color



CLEAR CUSTOM COLOR

**Left-click  
to modify  
symbology**

**Click here to revert to original symbology**

- > Environmental Monitoring (testing/monitoring sites)
- > Images
- > Index (grids/tiling schemes for certain layers)
- > Infrastructure
- > Physical Resources
- > Political / Administrative Boundaries
- > Regulated Areas
- > Status / Availability (maps showing data is available or date of data)
- > Tiled Layers

- Community Groundwater Well
- Non-Community Groundwater Well
- Surface Water Intake
- Emergency Surface Water Intake
- Community Labels
- Non-Community Labels

- IWPAs
- Zone IIs
- Zone IIs
- Zone IIs
- Libraries Buildings
- Property Tax Parcels

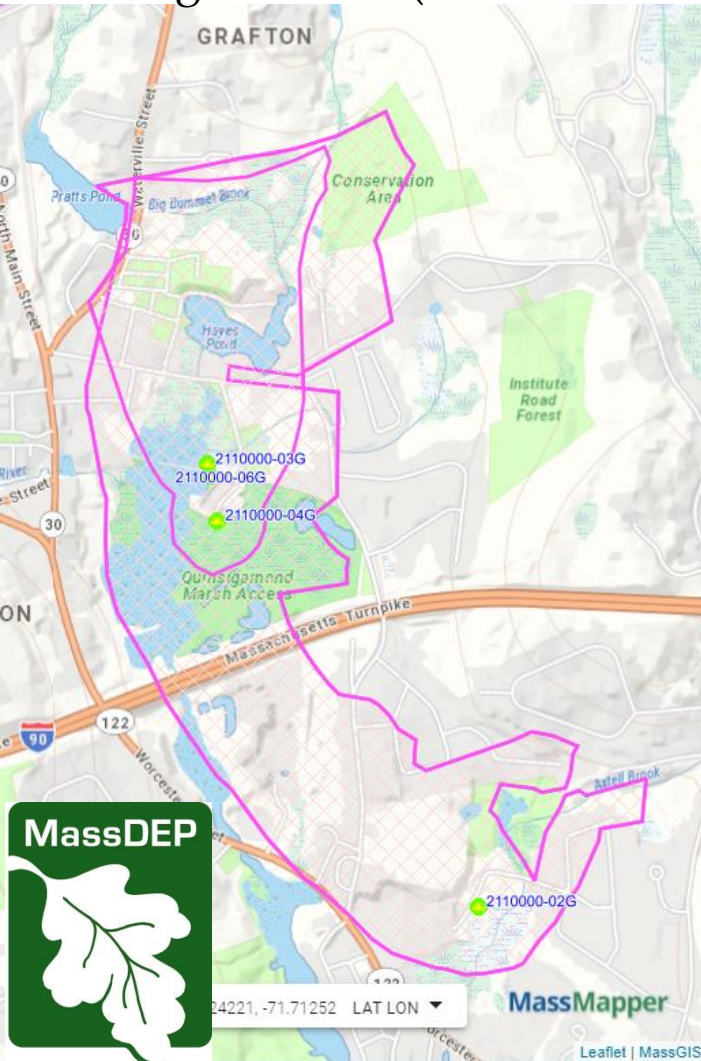




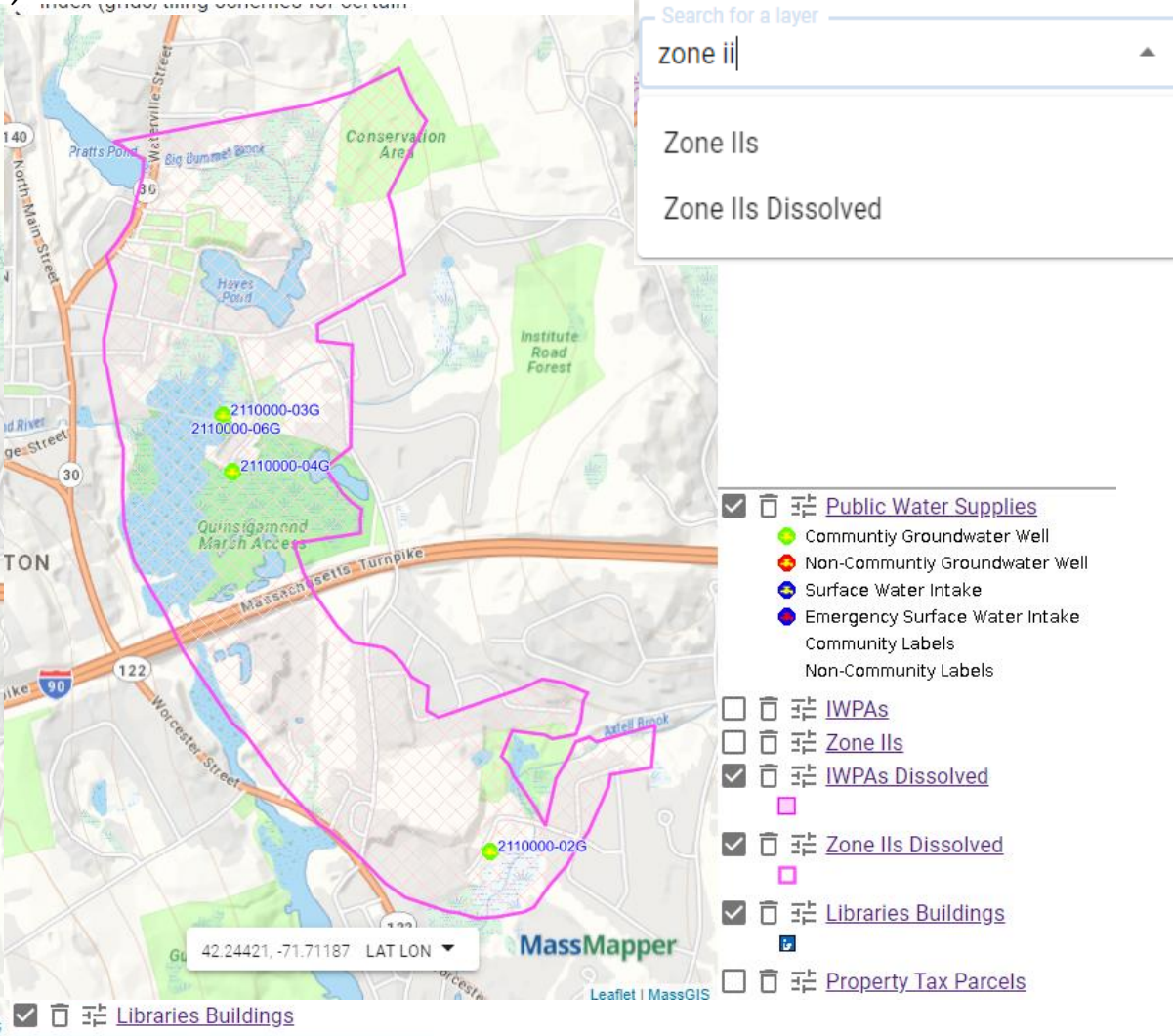
# Dissolved Zone I's, II's, and IWPA's

If you choose to add Zone II's and IWPA's Dissolved these will not show individual Zone II's for each source well.

Showing Zone II's (not dissolved)



Showing Zone II's Dissolved





# Caveats of Zone IIs, IWPAAs and PWS Source



## Locations

- Zone II's and IWPAAs approved recently may not be mapped yet – there can be a delay from the time a recharge area is approved and when it gets into the system
- PWS Source Locations are based on a variety of information including field verification, coordinate reporting from operators, visual placement of location on an interactive map, etc. There can also be a delay from the time a source is approved until when it appears in the GIS datalayer.
- Some towns have recharge areas designated as Zone III's – these are not mapped by MassDEP

# Surface Water Protection

MassDEP

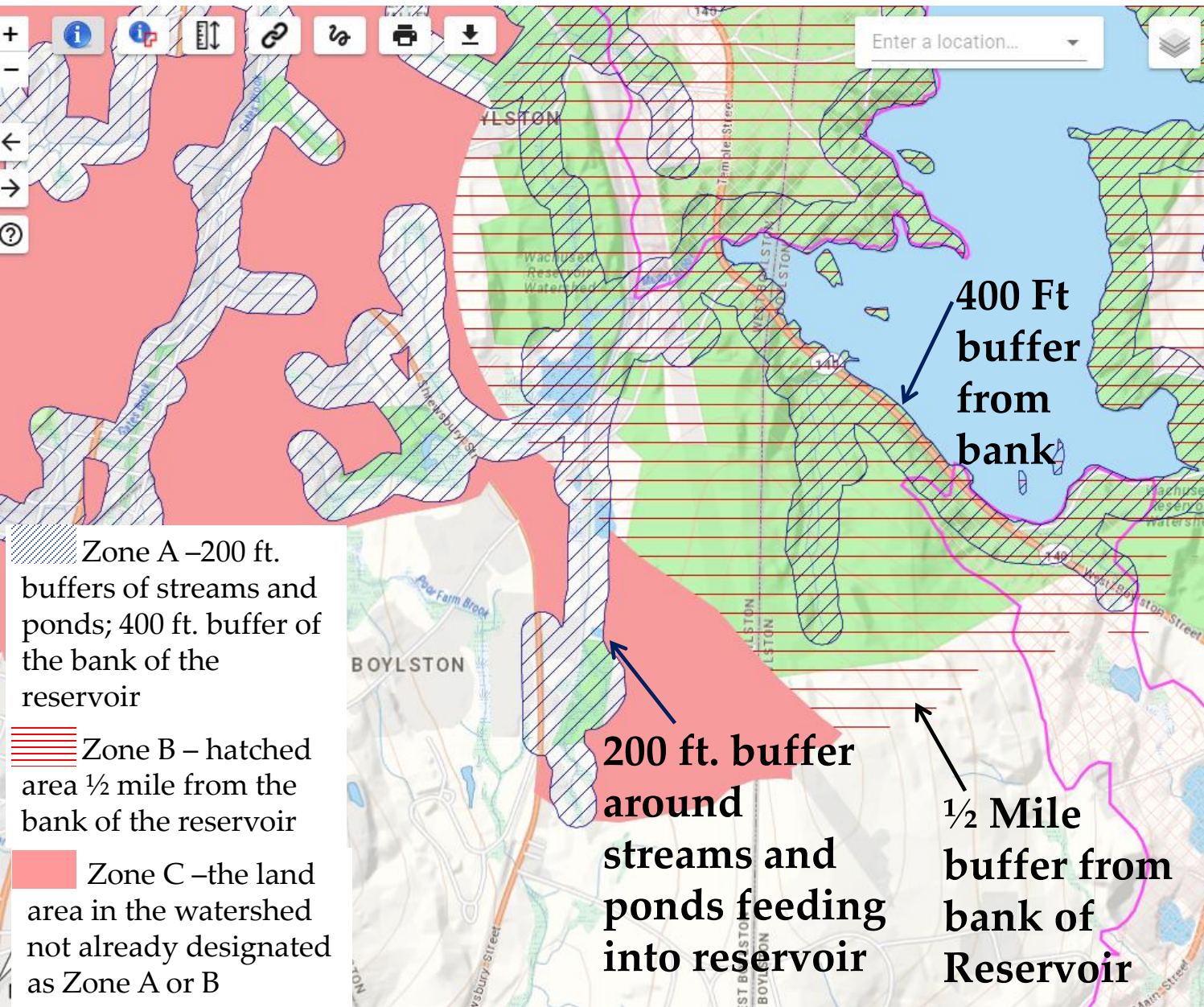


## Zone A's, B's and C's

- **ZONE A:** represents a) the land area between the surface water and the upper boundary of the bank; b) the land area within a 400 foot lateral distance from the upper boundary of the bank of a Class A surface water source, as defined in 314 CMR 4.05(3)(a); and c) the land area within a 200 foot lateral distance from the upper boundary of the bank of a tributary or associated surface water body.
- **ZONE B:** represents the land area within one-half mile of the upper boundary of the bank of a Class A surface water source, as defined in 314 CMR 4.05(3)(a), or edge of watershed, whichever is less. Zone B always includes the land area within a 400 ft lateral distance from the upper boundary of the bank of a Class A surface water source.
- **ZONE C:** represents the land area not designated as Zone A or B within the watershed of a Class A surface water source, as defined in 314 CMR 4.05(3)(a).
- For info on Surface Water Protection: [Source Water Protection | Mass.gov](#)
- For more info on the datalayers: [MassGIS Data: Surface Water Supply Protection Areas \(ZONE A, B, C\) | Mass.gov](#)



# Surface Water Protection – Zone As, Bs and Cs



- > Census
- > Coastal and Marine Features
- > Conservation / Recreation
- > Cultural Resources
- > Environmental Monitoring (testing/monitoring sites)
- > Images
- > Index (grids/tiling schemes for certain layers)
- > Infrastructure
- > Physical Resources
- > Political / Administrative Boundaries
- > Regulated Areas
- > Status / Availability (maps showing data is available or date of data)
- > Tiled Layers

**Zone A** – 200 ft. buffers of streams and ponds; 400 ft. buffer of the bank of the reservoir

**Zone B** – hatched area 1/2 mile from the bank of the reservoir

**Zone C** – the land area in the watershed not already designated as Zone A or B

**200 ft. buffer around streams and ponds feeding into reservoir**

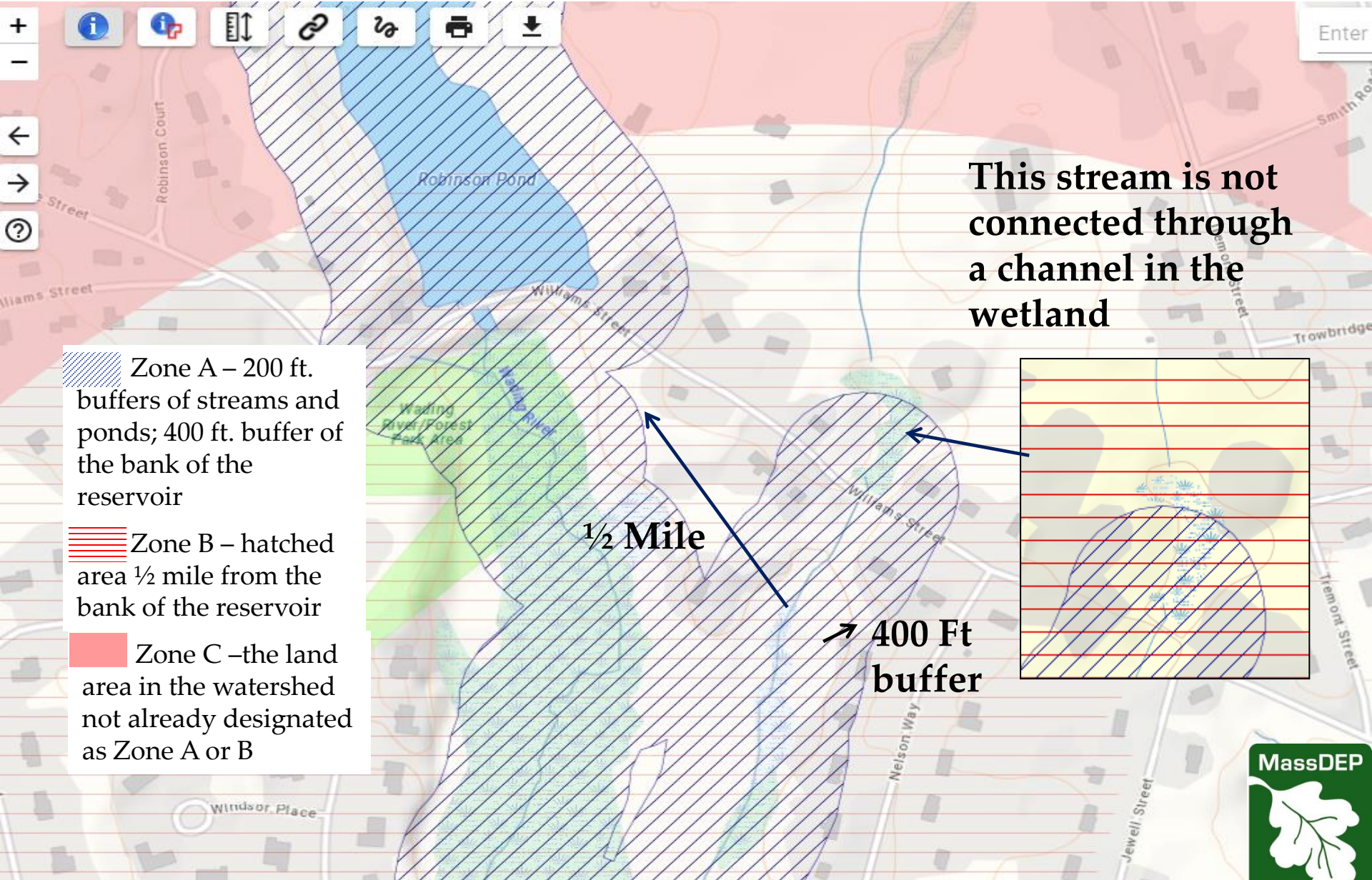
**400 Ft buffer from bank**

**1/2 Mile buffer from bank of Reservoir**

- [Zone A](#)
- [Zone B](#)
- [Zone C](#)
- [Public Water Supplies](#)
- Community Groundwater Well
- Non-Community Groundwater Well
- Surface Water Intake
- Emergency Surface Water Intake
- Community Labels
- Non-Community Labels



# Surface Water Protection- Disconnected Streams





# Title 5 Buffers

- Title 5 Setbacks are only a subset of the setback requirements in Title 5 regulations
- Buffers of hydrologic and wetland features - 25 feet around all water features
- In Zone A's – 100 foot buffers around wetland features and 200 feet around streams and ponds
- 400 feet around actual public water supply reservoir

## Information on Septic Systems and Title 5:

[Septic Systems & Title 5 | Mass.gov](#)



**Please Note:** Those with questions about locations in the **Quabbin, Ware, Wachusett** watershed areas should look at the DCR Watershed Protection Act viewer to determine if they are within a zone of additional protection:

<https://mass-eoea.maps.arcgis.com/apps/webappviewer/index.html?id=b3c3ba79d1df432590f8839ca98cdb19>

# Title 5 Buffers – Recent Updates

In May 2017 the Title 5 Setback Areas were regenerated statewide to incorporate the March 2017 updates to the MassDEP Hydrography and April 2017 updates to the SWP Zones and SWP Watersheds. NHESP certified vernal pools were added to the Title 5 buffering.

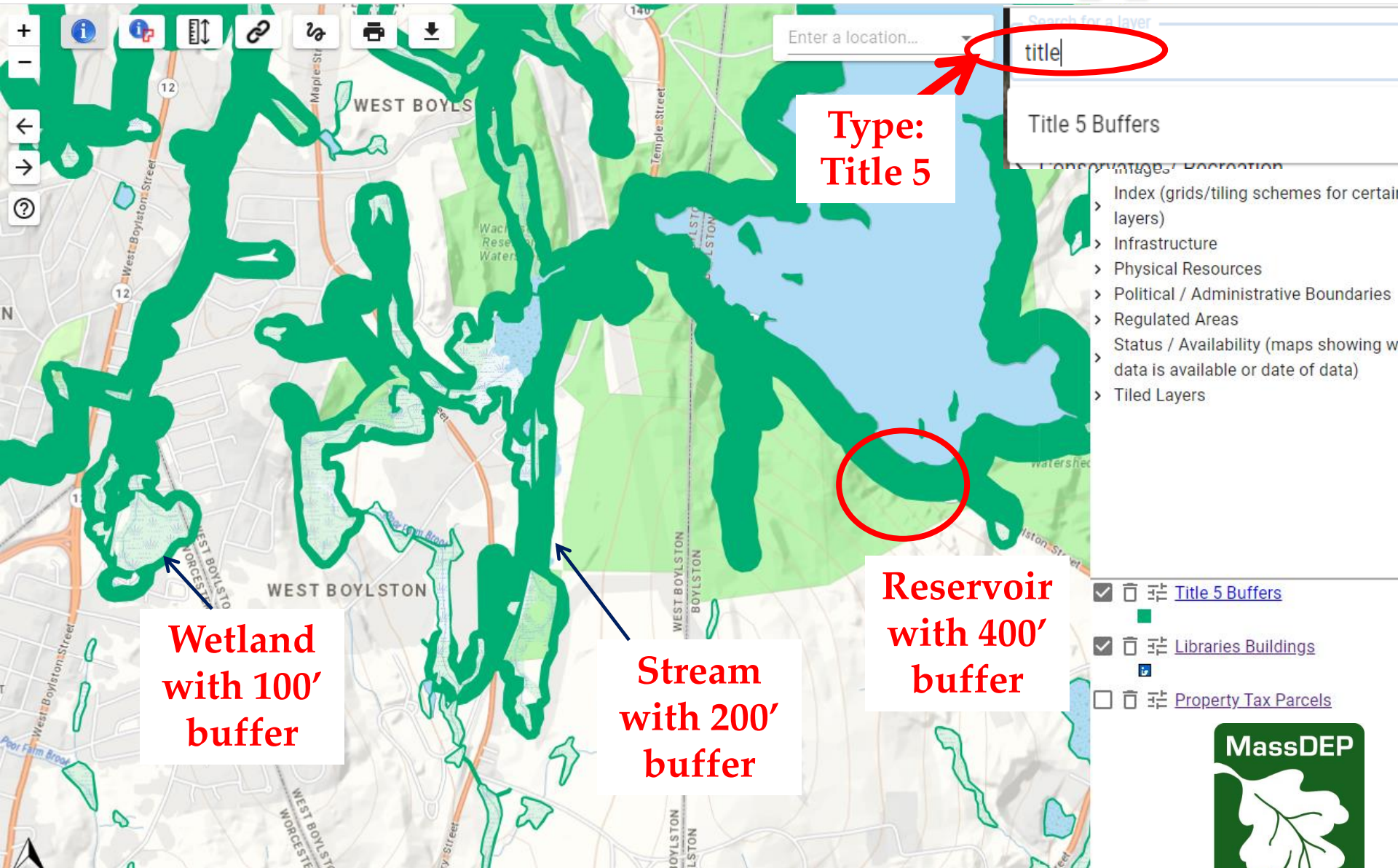
GIS datalayer description:

[MassGIS Data: Title 5 Setback Areas | Mass.gov](#)





# Title 5 Buffers in MassMapper



Type:  
Title 5

Wetland  
with 100'  
buffer

Stream  
with 200'  
buffer

Reservoir  
with 400'  
buffer



# Caveats of Title 5 Buffers



- Title 5 Buffers are to be used as a guide only and should never take the place of field verification
- Drawn based on a certain scale of hydrography and limited to what has been mapped
- There may be other water bodies that are not visible at the scale the hydro was created on
- Hydrography data is in flux and may change due to improved orthophotos images, edits to the line work and field verification
- Remember, parcel data is approximate field and should only be used as a guide



# MassDEP Wetlands: 2005 Update



- This layer provides a medium-scale representation of wetland areas and is for **planning purposes only**. The wetlands boundaries shown have been determined by photographic interpretation from the 2005 orthos. They do not represent, and should not be used as, wetlands delineations under the Massachusetts Wetlands Protection Act (M.G.L. c. 131 §40) and its regulations. **Wetlands boundary determination for other purposes, such as the [Wetlands Protection Act MA Act M.G.L. c. 131](#) or local bylaws must use the relevant procedures and criteria.**

# Mapping of 21e Site Locations

- **Approximate** location of active oil and/or hazardous material disposal sites that have been (1) reported and (2) Tier Classified under M.G.L. Chapter 21E and the Massachusetts Contingency Plan (MCP)
- Represent only a **subset** of the total reported Chapter 21E sites tracked by MassDEP BWSC since 1990. Chapter 21E sites that have not yet been or never were Tier Classified are not contained in this data layer nor are many sites for which a Response Action Outcome (RAO) has been submitted to DEP.
- Some sites that are still under active remediation are not included in the GIS Tier site layer
- Not all sites are able to be accurately mapped

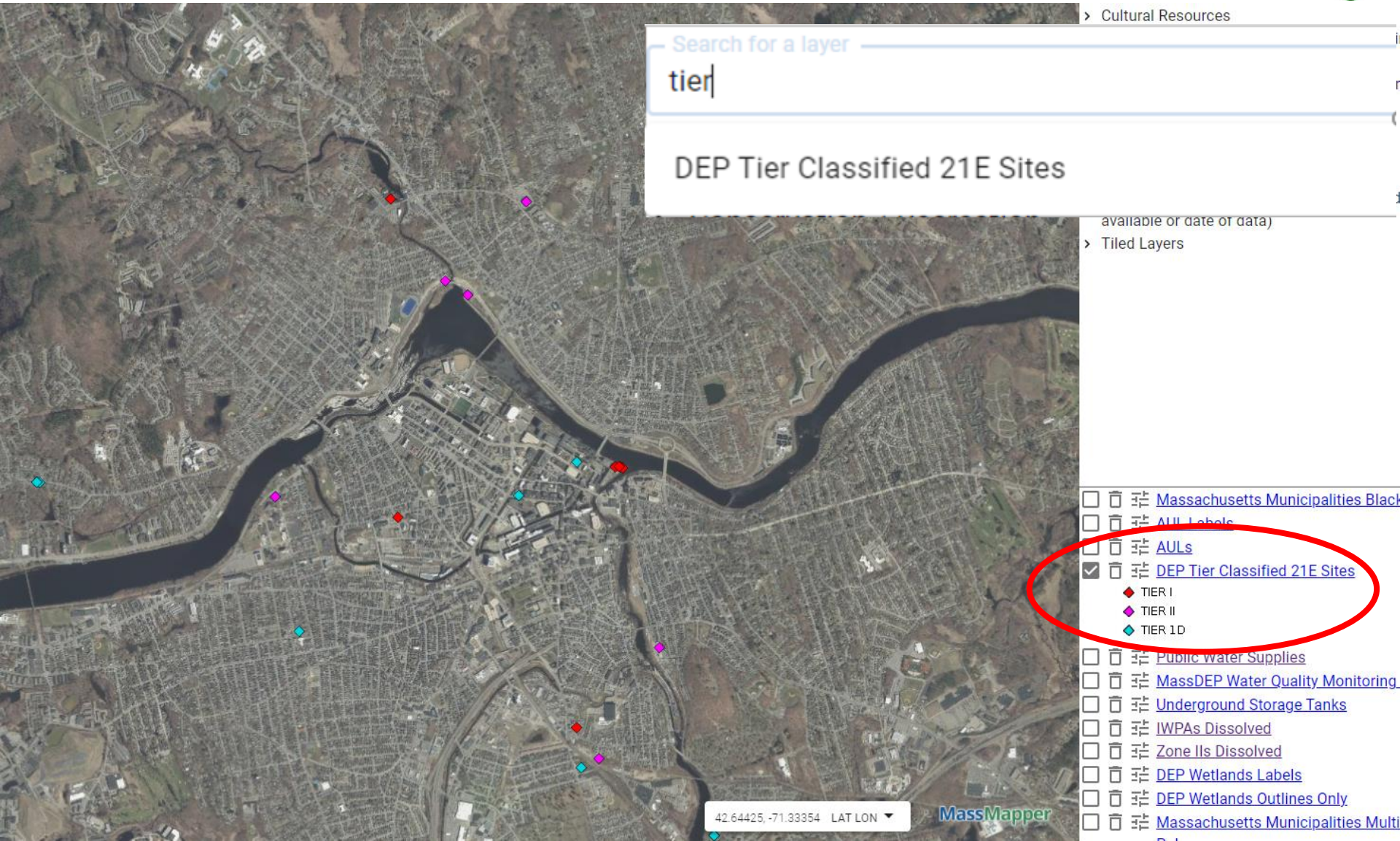
For more info see:

<https://docs.digital.mass.gov/dataset/massgis-data-massdep-tier-classified-oil-andor-hazardous-material-sites-mgl-c-21e>





# 21e Site Locations in MassMapper



Search for a layer

tier

DEP Tier Classified 21E Sites

> Cultural Resources

available or date of data)

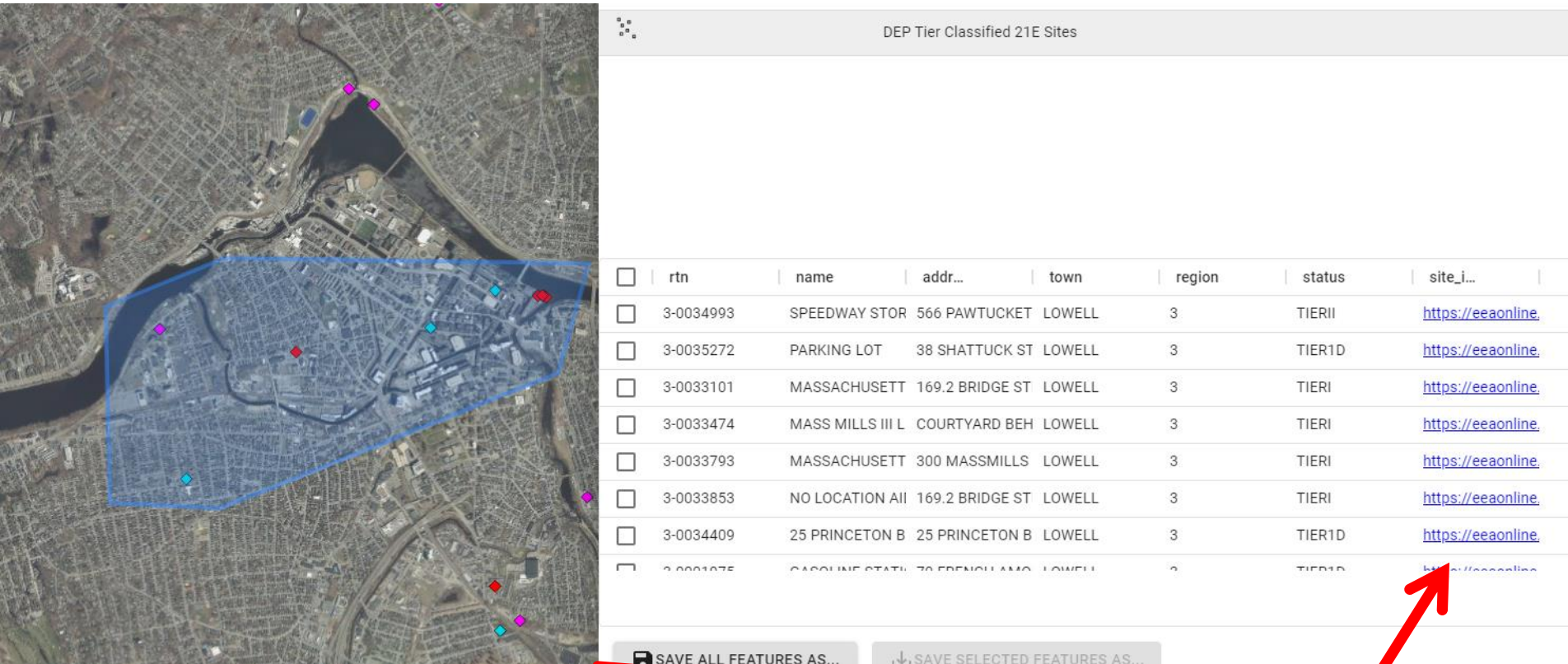
> Tiled Layers

- [Massachusetts Municipalities Black](#)
- [AUL Labels](#)
- [AULs](#)
- [DEP Tier Classified 21E Sites](#)
  - TIER I
  - TIER II
  - TIER 1D
- [Public water Supplies](#)
- [MassDEP Water Quality Monitoring](#)
- [Underground Storage Tanks](#)
- [IWPA's Dissolved](#)
- [Zone IIs Dissolved](#)
- [DEP Wetlands Labels](#)
- [DEP Wetlands Outlines Only](#)
- [Massachusetts Municipalities Multi](#)

42.64425, -71.33354 LAT LON

MassMapper

# Querying 21e Site Locations Within an Area



<input type="checkbox"/>	rtn	name	addr...	town	region	status	site_i...
<input type="checkbox"/>	3-0034993	SPEEDWAY STOR	566 PAWTUCKET	LOWELL	3	TIERII	<a href="https://eeaonline">https://eeaonline</a>
<input type="checkbox"/>	3-0035272	PARKING LOT	38 SHATTUCK ST	LOWELL	3	TIER1D	<a href="https://eeaonline">https://eeaonline</a>
<input type="checkbox"/>	3-0033101	MASSACHUSETT	169.2 BRIDGE ST	LOWELL	3	TIERI	<a href="https://eeaonline">https://eeaonline</a>
<input type="checkbox"/>	3-0033474	MASS MILLS III L	COURTYARD BEH	LOWELL	3	TIERI	<a href="https://eeaonline">https://eeaonline</a>
<input type="checkbox"/>	3-0033793	MASSACHUSETT	300 MASSMILLS	LOWELL	3	TIERI	<a href="https://eeaonline">https://eeaonline</a>
<input type="checkbox"/>	3-0033853	NO LOCATION AII	169.2 BRIDGE ST	LOWELL	3	TIERI	<a href="https://eeaonline">https://eeaonline</a>
<input type="checkbox"/>	3-0034409	25 PRINCETON B	25 PRINCETON B	LOWELL	3	TIER1D	<a href="https://eeaonline">https://eeaonline</a>
<input type="checkbox"/>	3-0031075	CAROLINE STATI	70 FRENCH LANE	LOWELL	3	TIER1D	<a href="https://eeaonline">https://eeaonline</a>

SAVE ALL FEATURES AS...     SAVE SELECTED FEATURES AS...

Save records  
to a table or  
click to go to  
EEOA Portal

[Energy & Environmental Affairs Data Portal  
\(state.ma.us\)](https://state.ma.us)





# 21e Sites Information

## Exported to Excel

URLs to  
Searchable  
Sites



RTN	NAME	ADDRESS	TOWN	STATUS	SITE INFO / URL
1-0000816	HOLYOKE GAS WORKS FMR	7 NORTH BRIDGE ST	HOLYOKE	TIERI	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0000816">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0000816</a>
1-0010691	CHICOPEE INDUSTRIAL CONTRACTORS	107 NORTH CHICOPEE ST	CHICOPEE	TIERII	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0010691">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0010691</a>
1-0011119	FMR SCOTT GRAPHICS CO	195 APPLETON ST	HOLYOKE	TIER1D	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0011119">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0011119</a>
1-0013243	ABANDONED APARTMENT BLDG	1 WORCESTER PL	HOLYOKE	TIER1D	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0013243">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0013243</a>
1-0000039	INGHAM ST PROPERTY	180 INGHAM ST	CHICOPEE	TIERII	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0000039">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0000039</a>
1-0000102	SCHWARTZ	118 CABOT ST	HOLYOKE	TIERII	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0000102">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0000102</a>
1-0000103	SHELDON TRANSFER & STORAGE	55 NORTH CANAL ST	HOLYOKE	TIER1D	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0000103">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0000103</a>
1-0017877	37 APPLETON STREET	37 APPLETON STREET	HOLYOKE	TIER1D	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0017877">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0017877</a>
1-0018701	APARTMENT BUILDING	733 HIGH STREET	HOLYOKE	TIERII	<a href="https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0018701">https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0018701</a>



# Searchable Sites Mapping: In the Portal



Energy & Environmental Affairs  
Data Portal

HOME

DASHBOARDS

SEARCH DATA ▾

HELP ▾

## Waste Site & Reportable Releases Information

Related links

[Supporting Documents](#)

[LSP Lookup](#)

**Click here to  
go to  
scanned  
reports**

Site Number ?

2-0019763

Site Name ?

HOLY CROSS ICE RINK

Compliance Status ?

PSNC

Compliance Date ?

03/07/2016

Phase ?

RAO Class ?

PN

Location Type ?

SCHOOL

Source ?

LINE

Category ?

TWO HR

AUL Info ?

Address ?

1 COLLEGE ST

Town ?

WORCESTER

Zip Code ?

Official Notification Date ?

01/26/2016

Initial Status Date ?

01/26/2017





# Searchable Sites Mapping in the Portal, cont.

## Response Action Information

RESPONSE ACTION TYPE	STATUS	SUBMITTAL DATE	RAO CLASS	ACTIVITY & USE LIMITATION DATE
RAO Response Action Outcome - RAO	PSNRCD Permanent Solution with No Conditions	03/07/2016	PN	
IRA Immediate Response Action	CSRCVD Completion Statement Received	03/04/2016		
REL Potential Release or Threat of Release	REPORT Reportable Release or Threat of	01/26/2016		

## LSPs

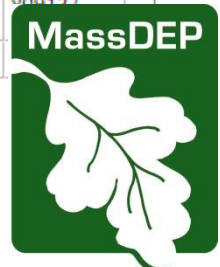
LSP	LSP NUMBER
Curtis, James T	1548

## RAO Detail

CLASS	METHOD	GW CATEGORY	SOIL CATEGORY
PN	N	N	

## Electronically Submitted Files

RTN	Form Name	Submit Date	Attachments	Notes	Trans.ID
2-19763	<a href="#">BW/SC101 Release Log Form- 607</a>	2/9/2016 8:39:05 AM			807300
2-19763	<a href="#">BW/SC103 Release Notification &amp; Retraction Form- 579</a>	3/3/2016 2:35:02 PM			810809
2-19763	<a href="#">BW/SC105 Immediate Response Action Transmittal Form- 604</a>	3/4/2016 1:04:58 PM	73 kb <a href="#">HC Statement of Provisions.pdf</a> 259 kb <a href="#">Perm Solut Reference.pdf</a>		809343
2-19763	<a href="#">BW/SC104 Permanent And Temporary Solution Statement- 581</a>	3/7/2016 8:09:51 AM	73 kb <a href="#">HC Statement of Provisions.pdf</a> 5 mb <a href="#">FINAL Permanent Solution Report.pdf</a>		809127
2-19763	<a href="#">BW/SC128 Recording Receipt/Issuance Form- 685</a>	3/15/2016 11:23:27 AM	655 kb <a href="#">2-0019763 - Worcester - NOR 03-11-2016.pdf</a>		



# Searchable Sites Maps in the Portal

SELECT ...	RTN	CITY/TOWN ...	RELEASE ADDRESS...	SITE NAME LOCATION AID ...	REPORTING CATEGO...	NOTIFICATION DA..	COMPLIANCE STATU...	COMPLIANCE DATE ..
<input type="checkbox"/>	2-0019763	WORCESTER	1 COLLEGE ST	HOLY CROSS ICE RINK	TWO HR	01/26/2016	PSNC	03/07/2016

Location



Maxar, Microsoft | City of Worcester, MassGIS, Esri, HERE, GeoTechnologies, Inc. | City of Worcester, MassGIS, Esri, HERE, Garmin, Geo

● Open Sites   ● Closed Sites   ● Closed Sites with Use Limitation



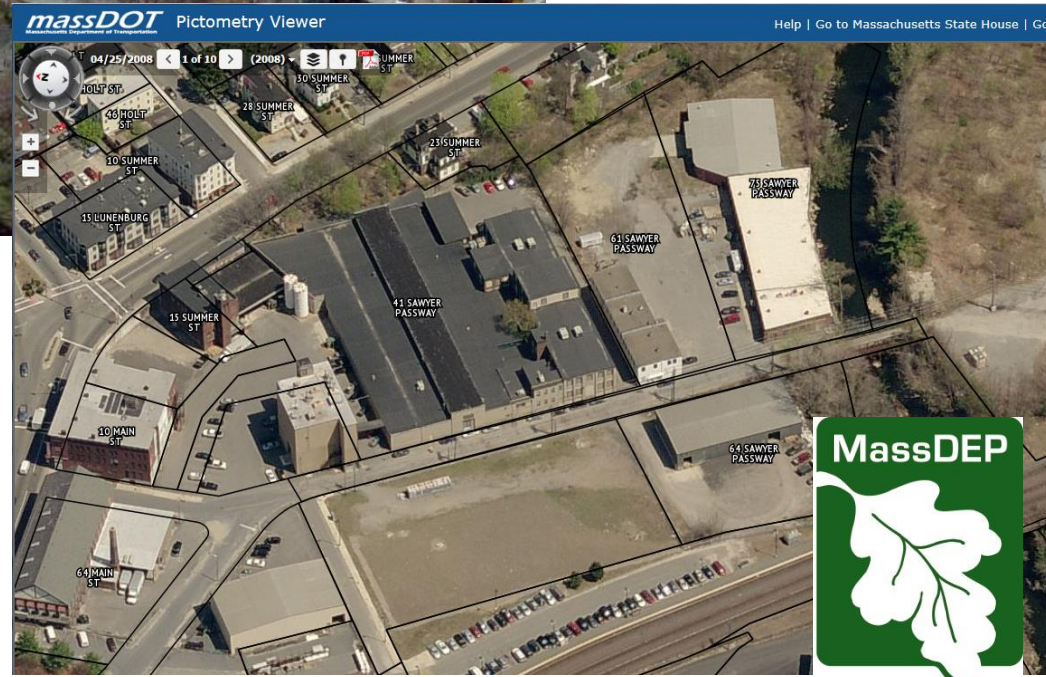
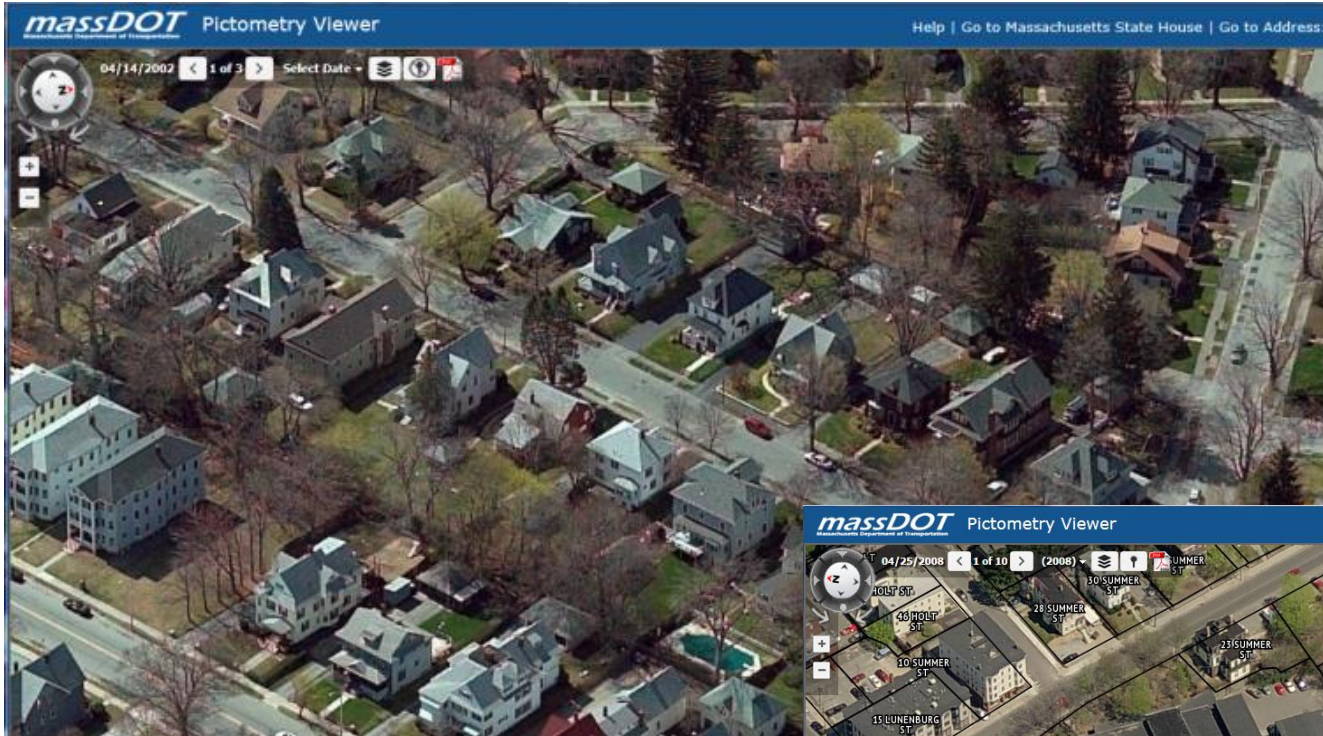
No longer able to add layers – use Mass Mapper instead





# MassDOT Pictometry

<https://gis.massdot.state.ma.us/dataviewers/pictometry/>



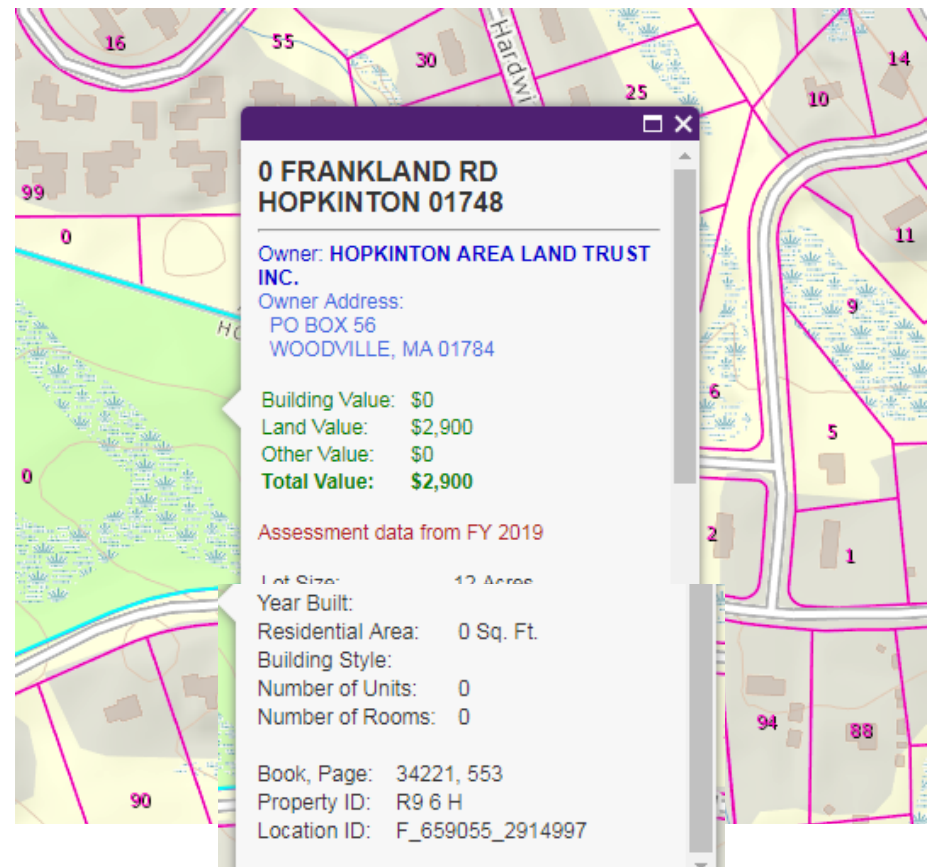
Angled Photography taken  
from 2002 - 2017

# Using the Interactive Property Map

Find it here:

<https://www.mass.gov/service-details/massachusetts-interactive-property-map>

Very Important:  
Parcel boundaries are not survey grade and are only to be used as a guide.



**0 FRANKLAND RD  
HOPKINTON 01748**

Owner: **HOPKINTON AREA LAND TRUST INC.**  
Owner Address:  
PO BOX 56  
WOODVILLE, MA 01784

Building Value: \$0  
Land Value: \$2,900  
Other Value: \$0  
**Total Value: \$2,900**

Assessment data from FY 2019

Lot Size: 12 Acres  
Year Built:  
Residential Area: 0 Sq. Ft.  
Building Style:  
Number of Units: 0  
Number of Rooms: 0

Book, Page: 34221, 553  
Property ID: R9 6 H  
Location ID: F\_659055\_2914997





# New Data and Projects in Progress

CSOs have been mapped and are available in online interactive map here:

[MassDEP CSO Map](#)

MassGIS's EJ Mapping Tool:

[Environmental Justice Populations in Massachusetts \(arcgis.com\)](#)

EPA EJ Screening tool:

[EJScreen: Environmental Justice Screening and Mapping Tool | US EPA](#)

In the works – Online Chapter 91 License Viewer that shows mapped licenses and permits

Also in the works: Solid Waste and Permitted Facility Updates

# Important things to remember:

- Data accuracy is dependent on scale
- 25K hydrography is undergoing edits at this time
- Locations, line work, and basemaps are only to be used as a guide – especially Parcel Data
- Field verification takes precedence over any map
- Solid Waste Data and Permitted Facilities on Mass Mapper are outdated at this time
- Sign up for notifications of updates from MassGIS:  
<https://www.mass.gov/forms/contact-massgis-data>





**Questions?**

# MassDEP GIS Contacts



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Kashif Rashid [kashif.rashid@mass.gov](mailto:kashif.rashid@mass.gov)

MassDEP GIS Regional Contacts:

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NERO: Phil Murphy (978) 694-3336 [philip.murphy@mass.gov](mailto:philip.murphy@mass.gov)

SERO: Anita Beinikis (508) 946-2741 [anita.beinikis@mass.gov](mailto:anita.beinikis@mass.gov)

WERO: Marnie Spadoni (413) 755-2157 [marnie.spadoni@mass.gov](mailto:marnie.spadoni@mass.gov)