

Title 5 Data Dashboards & Be Well Informed Web Tool

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MassDEP | Drinking Water Program
Boston, MA



MassDEP/MHOA Seminar
March 2026



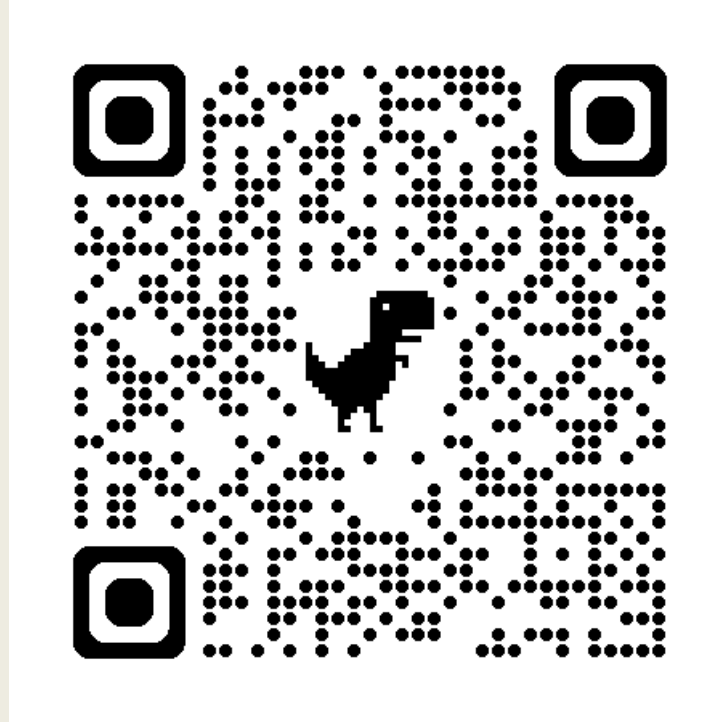
Topics

- MassDEP Title 5 Data Viewer
- MassDEP Well Location Viewer
- MassDEP Content for Be Well Informed
Web Tool for Assessing Private Well Water
Quality Lab Results

MassDEP Title 5 Data Viewer

- Application allows user to quickly obtain most of the site background reference material for Title 5, Form 11 (test pit log)
- <https://experience.arcgis.com/experience/79989f3c752b47f885c425a480725c14>

QR Code for Title 5 Data Viewer



Title 5 Data Viewer Home Page

MassDEP Title 5 Data Viewer

Hey There!
Welcome to the MassDEP Title 5 Resource Viewer.
Click Here to open the tour of this application.

- About
- Form 11 Help
- Last Update
- Contact
- Data Sources + Links

Form 11 Title 5 Information Groundwater Levels in MA

Map showing the Northeast United States, including Massachusetts, New Hampshire, Connecticut, Rhode Island, New York, and New Jersey. Major cities like Boston, Worcester, Springfield, Hartford, Providence, Albany, and New York are labeled. The map is overlaid with a data visualization showing groundwater levels.

At top right, links to:

Form 11

MassDEP Septic System & Title 5 webpage

USGS Groundwater Levels webpage

After clicking on a test pit location, 2nd page of popup window provides information to complete Section B Item 2, “Soil Survey” information

2. Soil Survey	Source	Soil Map Unit	Soil Series
Landform	Soil Limitations		
Soil Parent material			

3rd and 4th pages of popup window provide information to complete Section B Item 3, “Surficial Geological Report”

3. Surficial Geological Report	Year Published/Source	Map Unit
Description of Geologic Map Unit:		



Available mapping layers:

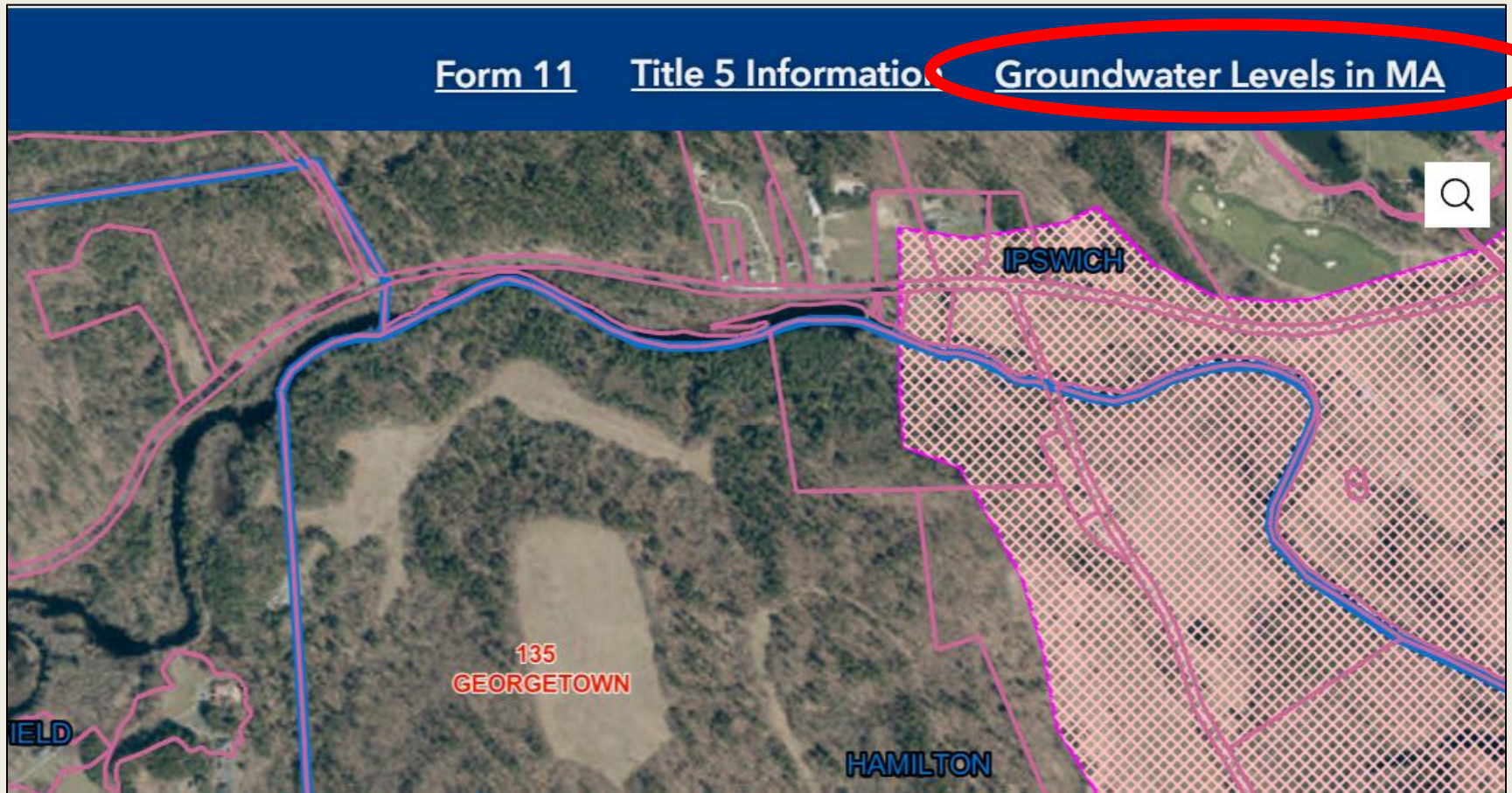
<input checked="" type="checkbox"/>	USDA-NRCS Soils Outlines	...
<input checked="" type="checkbox"/>	MassGIS L3 Parcels Source: MassGIS AGOL	...
<input checked="" type="checkbox"/>	USDA-NRCS Soils Data (Pop-ups)	...
<input checked="" type="checkbox"/>	Surficial Geology (24k) Data (Pop-ups)	...
<input checked="" type="checkbox"/>	USGS 7.5-Minute Quadrangle Index	...

<input type="checkbox"/>	Surficial Geology (24k)	...
<input checked="" type="checkbox"/>	Massachusetts Municipalities (Hosted Feature Layer)	...
<input type="checkbox"/>	FEMA National Flood Hazard Layer	...
<input type="checkbox"/>	MassDEP Wetlands	...
<input type="checkbox"/>	MassDEP Approved Zone I	...
<input type="checkbox"/>	MassDEP Wellhead	...

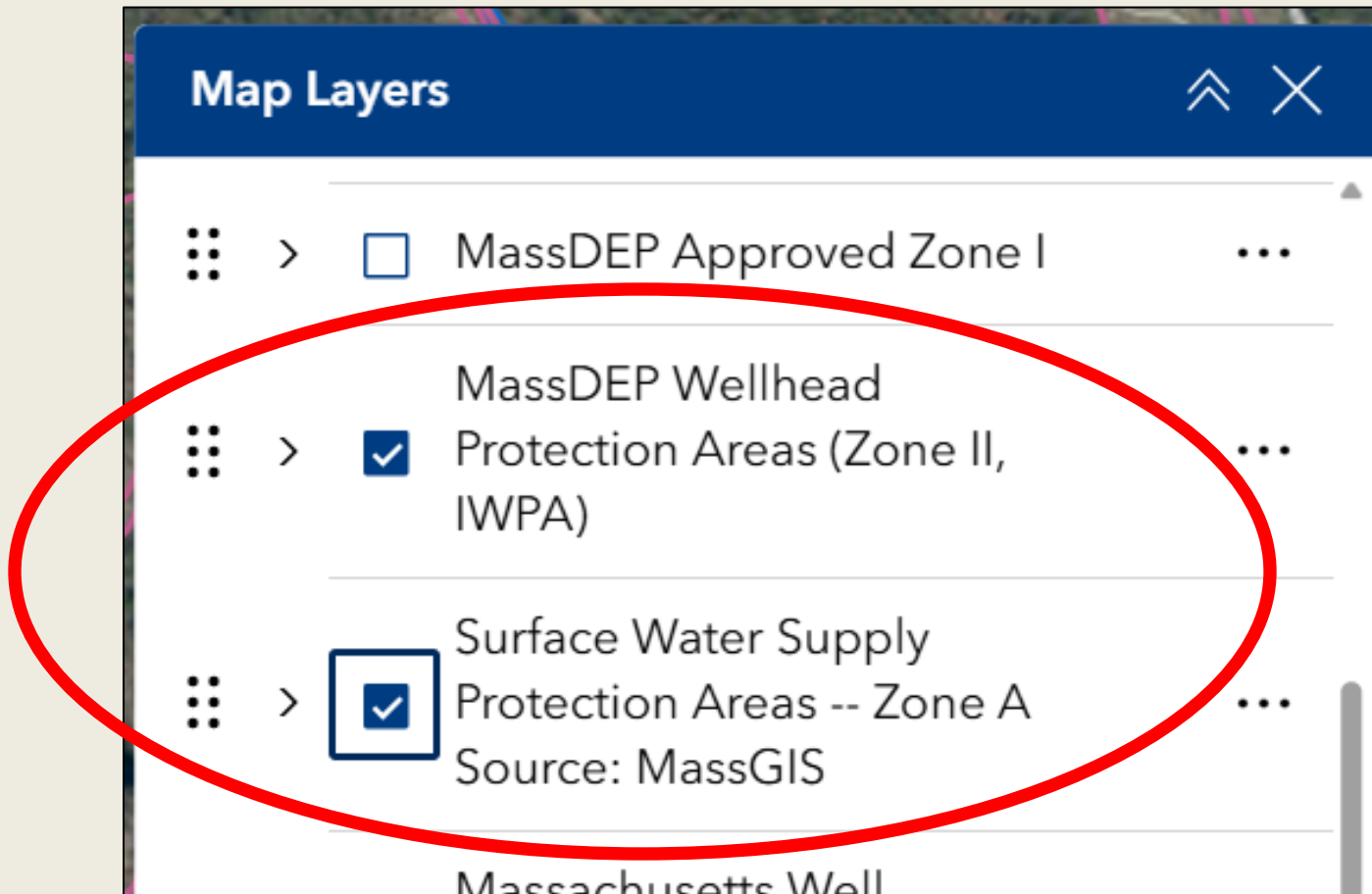
<input type="checkbox"/>	MassDEP Wellhead Protection Areas (Zone II, IWPA)	...
<input type="checkbox"/>	Surface Water Supply Protection Areas -- Zone A Source: MassGIS	...
<input type="checkbox"/>	Massachusetts Well Locations - Point Layer	...
<input type="checkbox"/>	Estimated Depth to Bedrock Data (Pop-ups)	...
<input type="checkbox"/>	Bedrock Depth Image	...
<input type="checkbox"/>	Natural Resource Nitrogen Sensitive Areas (NRNSA) 2023	...
<input type="checkbox"/>	Shaded Relief from Lidar (Tile Service)	...
<input type="checkbox"/>	USGS Topographic Quadrangle Maps	...
<input checked="" type="checkbox"/>	Massachusetts 2023 Aerial Imagery (Tile Service)	...



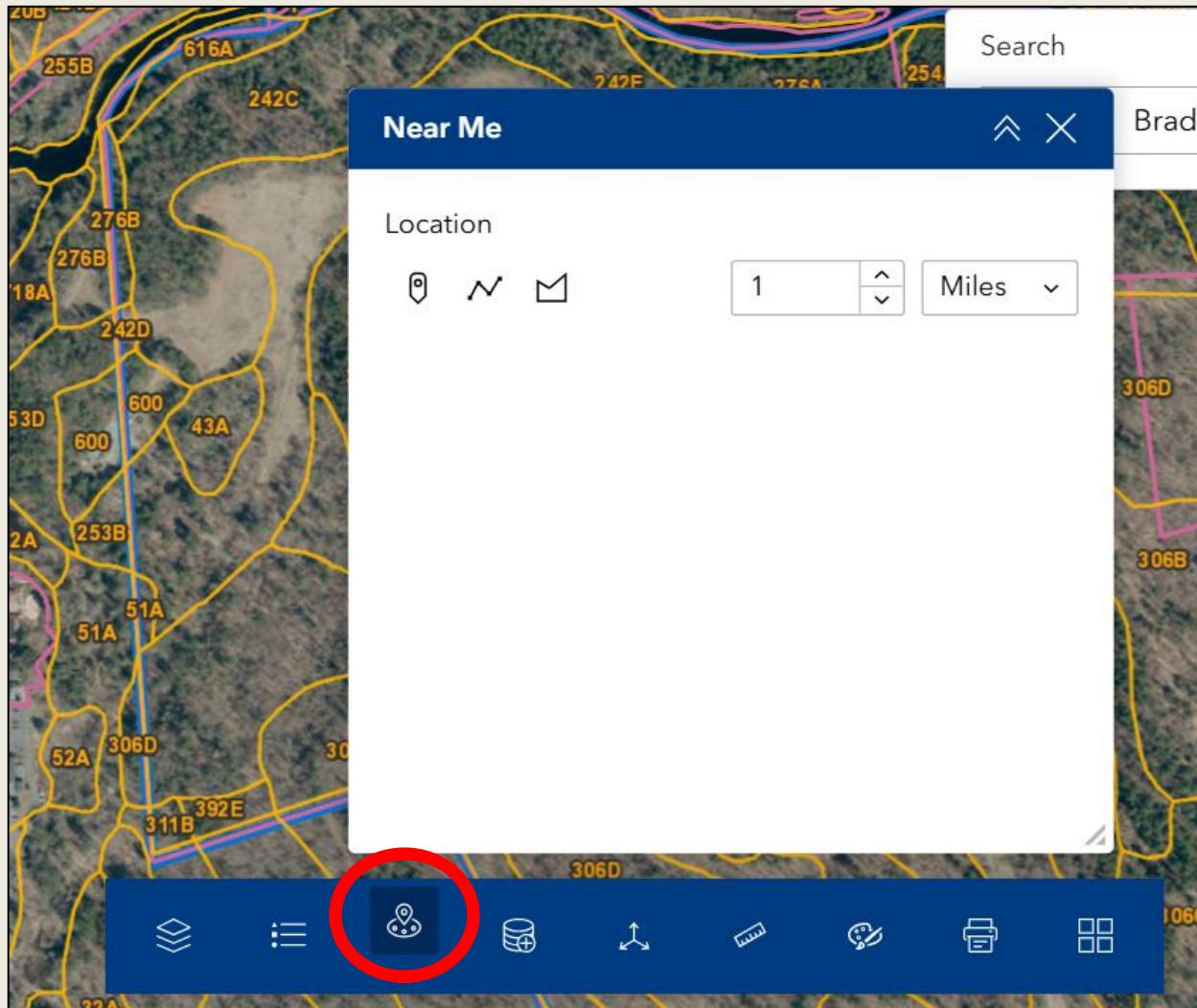
Select “Groundwater Levels in MA” to be sent to the USGS groundwater level well locations to answer Section B, Question 7: “Current Water Resource Conditions”



Select “MassDEP Wellhead Protection Areas” & “Surface Water Supply Protection Areas” map layers to answer Section B, Question 8: “Other references reviewed”



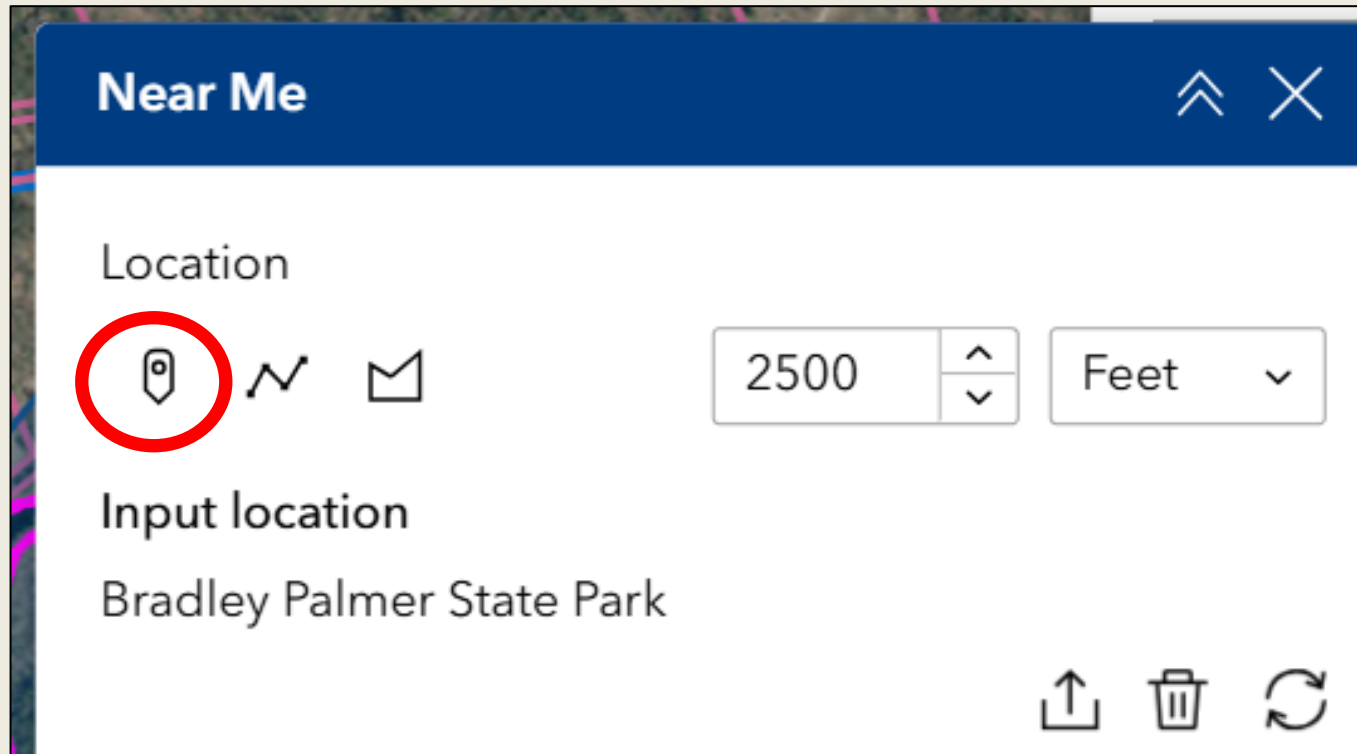
The “Near Me” Tool provides answers to Form 11, Section C, Question 3: “Distances from”












Form 11, Section C, Question 3: "Distances from"

- Open water body
- Drainage way
- Wetlands
- Property line
- Drinking water well
- Other

To obtain distances measured from your test pit location, select the “point” icon



Results – click on right arrows to obtain nearest distances to each type of feature

Massachusetts Well Locations - Point Layer		1	
DEP Wetlands Linear Features		67	
FEMA National Flood Hazard Layer		1	
Approximate Distance		1,526.27 ft	
FEMA National Flood Hazard Layer: 25009C			
Approved Wellhead Protection Areas (Zone II)		1	

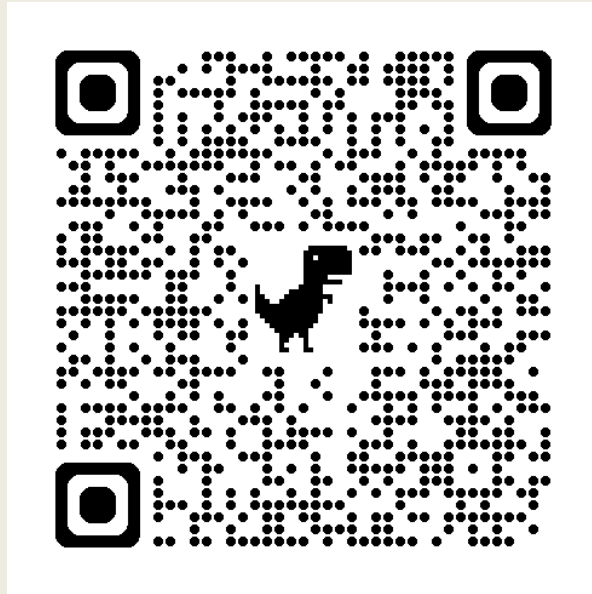
Massachusetts Well Locations - Point Layer	↑	1	∨
275 TOPSFIELD ROAD		2,158.5 ft	>
DEP Wetlands Linear Features	↑	67	∨
7		601.18 ft	>
7		777.79 ft	>
3		816.96 ft	>
FEMA National Flood Hazard Layer	↑	1	∨
Approximate Distance		1,526.27 ft	
Approved Wellhead Protection Areas (Zone II)	↑	1	∨
3144000		1,960.07 ft	>





MassDEP Well Location Viewer

- Application allows user to obtain Well Completion Reports (WCRs) by selecting mapped well location
- <https://mass-eoeea.maps.arcgis.com/apps/webappviewer/index.html?id=cdd11842864942178b71f2c7bd5a0b95>

QR Code for Well Location Viewer














Mapped Well Types

Legend  






Well Location Viewer Data 4 26 23

Well Type

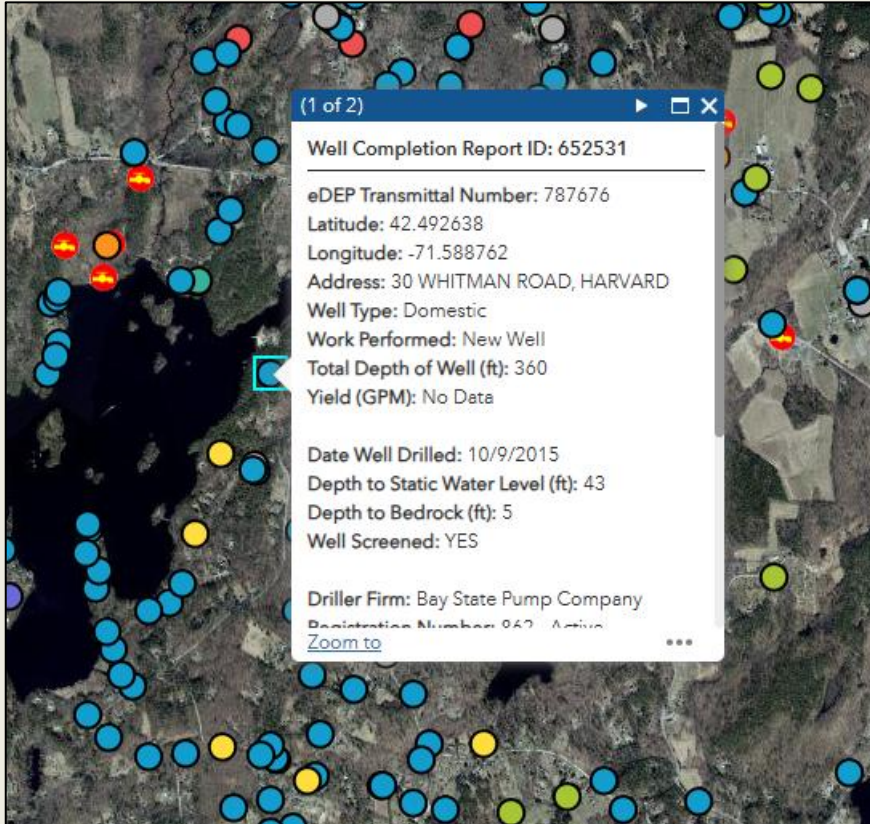
-  Domestic
-  Monitoring
-  Irrigation
-  No Data
-  Public Water Supply
-  Geothermal - Other
-  Industrial
-  Test Well(s)
-  Geothermal - Closed Loop
-  Geothermal - Open Loop
-  Other

**Public Water Supply Source: MassGIS - PWSDEP
PT**

PWS Type

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

Well Completion Reports



Well Completion Report ID: 652531

eDEP Transmittal Number: 787676
Latitude: 42.492638
Longitude: -71.588762
Address: 30 WHITMAN ROAD, HARVARD
Well Type: Domestic
Work Performed: New Well
Total Depth of Well (ft): 360
Yield (GPM): No Data

Date Well Drilled: 10/9/2015
Depth to Static Water Level (ft): 43
Depth to Bedrock (ft): 5
Well Screened: YES

Driller Firm: Bay State Pump Company
Registration Number: 862 - Active

Report Contains Well Test Data: YES
Report Contains Overburden Stratigraphic Data: YES
Report Contains Bedrock Stratigraphic Data: YES

[View Full Report](#)

USGS 7.5-Minute Quadrangle: 91 - HUDSON

Click on a well. Use the “View Full Report” link in the popup window to obtain the WCR.

Well Completion Reports, cont.



Well Driller Report

DOWNLOAD AS PDF

MassDEP

Well Completion Report ID: 652531

eDEP Transmittal Number: 787676

WELL LOCATION

GPS North: 42.293320 GPS West: -71.351990 Assessors Map:
Address: 30 WHITMAN ROAD Assessors Lot:
Sub Division: PRIVATE ROAD Permit Number: 6372
City/Town: HARVARD Date Issued: 09/14/2015
Board Of Health Permit Obtained: Y

<u>Work Performed</u>	<u>Well Type</u>	<u>Drilling Method Overburden</u>	<u>Drilling Method Bedrock</u>
New Well	Domestic	Air Hammer	Air Hammer



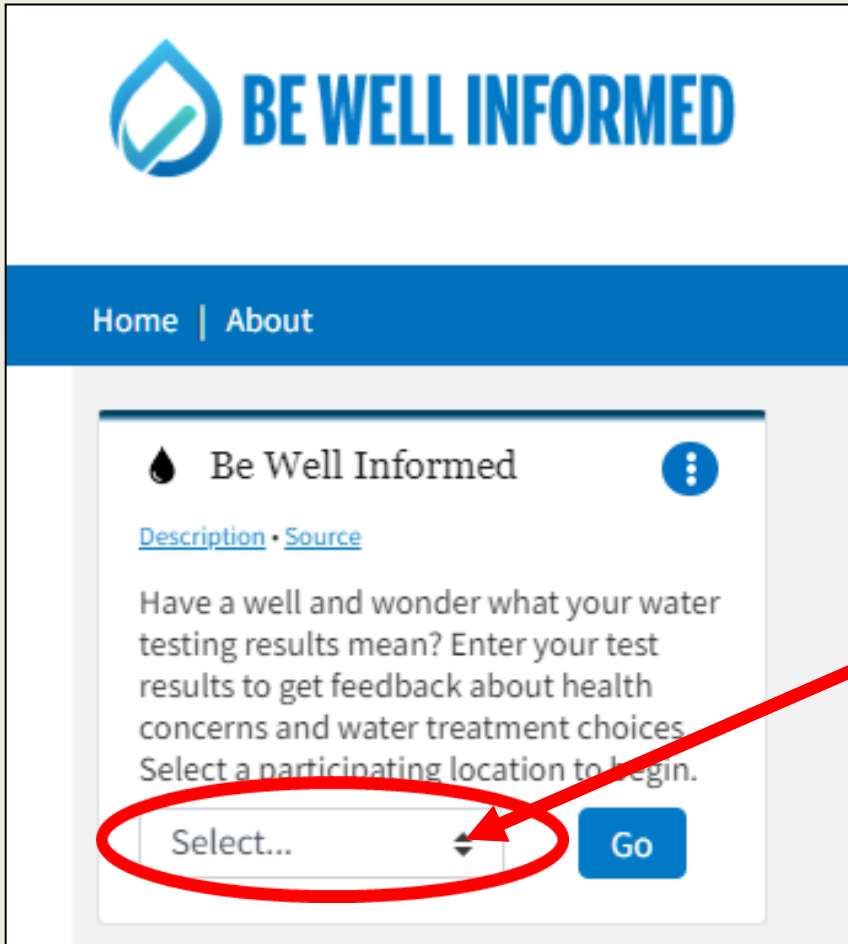
Be Well Informed (BWI)

- Web-based tool for private well owners
- Hosted by the Environmental Council of the States (ECOS) on the behalf of participating agencies
- User enters laboratory analysis results
- Report output includes comparison against drinking water limits, health concerns, and treatment options
- <https://bewellinformed.info/about>

QR Code for BWI Tool



BWI Home Page



The screenshot shows the 'Be Well Informed' website interface. At the top left is the logo, which consists of a blue water drop containing a white checkmark, followed by the text 'BE WELL INFORMED' in blue. Below the logo is a blue navigation bar with the text 'Home | About'. The main content area features a card with the title 'Be Well Informed' and a three-dot menu icon. Underneath the title are links for 'Description' and 'Source'. The card's text reads: 'Have a well and wonder what your water testing results mean? Enter your test results to get feedback about health concerns and water treatment choices. Select a participating location to begin.' At the bottom of the card is a dropdown menu with the text 'Select...' and a downward arrow, and a blue 'Go' button to its right. A red circle highlights the dropdown menu, and a red arrow points from the text 'Select "Massachusetts" from dropdown list' to it.

Select "Massachusetts"
from dropdown list

BWI Data Entry Page

Be Well Informed Water Analysis Tool

Entry Resources Results

Enter the Results of Your Drinking Water Test

Routine Water Analysis

Arsenic	<input type="text"/>	mg/L	⇅	Chloride	<input type="text"/>	mg/L	⇅
Copper	<input type="text"/>	mg/L	⇅	Copper Stagnant	<input type="text"/>	mg/L	⇅
Fluoride	<input type="text"/>	mg/L	⇅	Hardness	<input type="text"/>	mg/L	⇅
Iron	<input type="text"/>	mg/L	⇅	Lead	<input type="text"/>	mg/L	⇅
Lead Stagnant	<input type="text"/>	mg/L	⇅	Manganese	<input type="text"/>	mg/L	⇅
Nitrate-N	<input type="text"/>	mg/L	⇅	Nitrite-N	<input type="text"/>	mg/L	⇅
Sodium	<input type="text"/>	mg/L	⇅	pH	<input type="text"/>	unit	⇅

Enter data in fields provided for contaminants

Note: It may be necessary to convert units from laboratory report before entering data.

BWI Data Entry Page, cont.

Bacteria / Microbiology

Total Coliform

CFU/100 m ▾

Present

Absent

E. coli

CFU/100 m ▾

Present

Absent

Radionuclides

Radon

pCi/L ▾

Uranium

μg/L ▾

Gross Alpha

pCi/L ▾

Non-Regulated Per- and Polyfluoroalkyl Substances (PFAS)

Perfluorooctane

μg/L ▾

Sulfonic Acid(PFOS)

Perfluorooctanoic

μg/L ▾

Acid(PFOA)

Perfluorohexane

μg/L ▾

Perfluorononanoic

μg/L ▾

Contaminants included in BWI

- Arsenic
- Chloride
- Copper
- Fluoride
- Hardness
- Iron
- Lead
- Manganese
- Nitrate
- Nitrite
- Sodium
- pH
- Total coliform
- E. coli
- Radon
- Uranium
- Gross Alpha
- Six (6) PFAS chemicals currently regulated in MA (“PFAS6”)

Example Data Entries

Routine Water Analysis			
Arsenic	<input type="text" value=".02"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Copper	<input type="text"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Fluoride	<input type="text"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Iron	<input type="text"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Lead Stagnant	<input type="text"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Nitrate-N	<input type="text" value="11"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Sodium	<input type="text"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Chloride	<input type="text" value="300"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Copper Stagnant	<input type="text"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Hardness	<input type="text" value="200"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Lead	<input type="text" value=".02"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Manganese	<input type="text" value=".4"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
Nitrite-N	<input type="text" value="2"/>	<input type="text" value="mg/L"/>	<input type="text" value=""/>
pH	<input type="text"/>	<input type="text" value="unit"/>	<input type="text" value=""/>
Bacteria / Microbiology			
Total Coliform	<input type="text"/>	<input type="text" value="CFU/100 n"/>	<input type="text" value=""/>
E. coli	<input type="text" value="1"/>	<input type="text" value="CFU/100 n"/>	<input type="text" value=""/>
<input type="radio"/> Present <input type="radio"/> Absent		<input type="radio"/> Present <input type="radio"/> Absent	



Example Data Entries, cont.

Non-Regulated Per- and Polyfluoroalkyl Substances (PFAS)							
Perfluorooctane Sulfonic Acid(PFOS)	<input type="text" value="0.002"/>	<input type="text" value="µg/L"/>	<input type="text" value="⬆️"/>	Perfluorooctanoic Acid(PFOA)	<input type="text" value="0.017"/>	<input type="text" value="µg/L"/>	<input type="text" value="⬆️"/>
Perfluorohexane Sulfonic Acid (PFHxS)	<input type="text"/>	<input type="text" value="µg/L"/>	<input type="text" value="⬆️"/>	Perfluorononanoic Acid (PFNA)	<input type="text"/>	<input type="text" value="µg/L"/>	<input type="text" value="⬆️"/>
Perfluoroheptanoic Acid (PFHpA)	<input type="text" value="0.003"/>	<input type="text" value="µg/L"/>	<input type="text" value="⬆️"/>	Perfluorodecanoic Acid (PFDA)	<input type="text"/>	<input type="text" value="µg/L"/>	<input type="text" value="⬆️"/>
Enter sum of all PFAS in this section	<input type="text" value="0.022"/>	<input type="text" value="µg/L"/>	<input type="text" value="⬆️"/>				

Sum exceeds the Massachusetts Maximum Contaminant Level (MMCL) of 0.020 µg/L or 20 ng/L, but individual PFAS compounds are below the MMCL


Note: The total PFAS6 result must be entered manually by BWI user.

Example BWI Report

Be Well Informed Water Analysis Tool ✕

[Entry](#) [State/Tribe Resources](#) **[Results](#)**








The Commonwealth of Massachusetts
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Results from the MassDEP Be Well Informed Guide






About the Results

Massachusetts does not have a requirement for testing private wells, nor are there any statewide regulatory standards for water quality in private wells. However testing of private wells is recommended. In Massachusetts the regulation of private wells falls under the jurisdiction of the local boards of health or health departments. There may be water quality or water treatment requirements in your local municipality that may differ from the information provided in this report. Based on what you entered from your laboratory report, the Results Summary below indicates whether your water meets federal and state health-based standards for public water systems (Maximum Contaminant Levels - MCLs) as well as other standards and guidelines for public water systems (Secondary Maximum Contaminant Levels - SMCLs, health advisory levels, Action Levels - ALs, etc.). These standards and guidelines are often referred to as "limits" on your laboratory report. If your water exceeds or is approaching established federal/state drinking water limits or advisory levels for public water systems for the contaminant(s) entered, additional health information and treatment options will be shown.

Example BWI Report, cont.

Result Summary				
Key				
	Meets the Drinking Water Limit		Close to the Drinking Water Limit	
	Above the Drinking Water Limit		Consult Additional Message in the Results Details	
Results	Element	Your Entry	Limit	About Your Well Water
	Arsenic	0.02 mg/L	0.010 mg/L	The value entered exceeds the drinking water standard
	Lead	0.02 mg/L	0.015 mg/L	The value entered exceeds the drinking water action level
	Manganese	0.4 mg/L	0.3 mg/L	The value entered exceeds the health based drinking water guideline

Example BWI Report, cont.




	Nitrate-N	11 mg/L	10 mg/L	The value of nitrate or total nitrogen (nitrate + nitrite) entered exceeds the drinking water standard. YOUR WATER IS NOT SAFE FOR BABIES UNDER SIX MONTHS OLD TO CONSUME.
	Nitrite-N	2 mg/L	1 mg/L	The value entered exceeds the drinking water standard. YOUR WATER IS NOT SAFE FOR BABIES UNDER SIX MONTHS OLD TO CONSUME.
	E. coli	1 CFU/100 mL	0 CFU/100 mL or Absent	The value entered exceeds the drinking water standard. YOUR WATER IS NOT SAFE TO CONSUME .

Example BWI Report, cont.






Water Treatment Systems That Remove Arsenic, Lead, Manganese, Nitrate-N, Nitrite-N and E. coli

The following water treatment is based on the water quality information you entered.
Details concerning water treatment are below.

Treatment Order

Step 1	Whole House Oxidizing Filter System	Or	Whole House Cation Exchange Water Softener	
Step 2	Whole House Acid Neutralizer System			
Step 3	Point-of-Use (POU) Reverse Osmosis (RO) System			

Example BWI Report, cont.

Result Details				
Key				
	Meets the Drinking Water Limit		Close to the Drinking Water Limit	
	Above the Drinking Water Limit		Consult Additional Message in the Results Details	
Results	Element	Your Entry	Limit	About Your Well Water
	Arsenic	0.02 mg/L	0.010 mg/L	The value entered exceeds the drinking water standard
Interpretation of Results:				
<p>Does my well water meet the drinking water standard for arsenic <input checked="" type="checkbox"/> ? No, your water does not meet federal and state drinking water standards for public water systems as it contains more than 0.010 mg/L of arsenic.</p>				
Health Concerns:				
<p>Can consuming water containing arsenic affect my health? Consuming water containing more than 0.010 mg/L of arsenic is associated with an increased risk of cancer of the skin, bladder, lungs, kidneys, nasal passages, liver, or prostate as well as diseases of the nerves, lungs, heart, and immune and endocrine (hormonal) systems. Your individual health risk depends on the amount of arsenic in your water, how much of the water you drink each day, and the number of years you drink the water. To reduce your exposure to arsenic in your well water, treat the water that you use for drinking and cooking to a level less than 0.010 mg/L. You can continue to use your water for washing food and dishes, brushing your teeth, bathing, showering, and for other uses.</p>				

Example BWI Report, cont.


Treatment Options:

How can I reduce the level of arsenic in my water? Install one of the following water treatment systems to reduce the level of arsenic in your water. Your choice of treatment system could change, or the long-term performance of the system could be negatively affected, depending on the level of iron in your water; however, you did not provide test results for iron.

1. An NSF/ANSI Standard 53 certified arsenic adsorption media filter system. This system may be a point-of-use (POU) system at your kitchen sink designed to treat only the water that you consume, or it may be a whole house system.

OR

2. An NSF/ANSI Standard 58 certified point-of-use (POU) reverse osmosis (RO) system at your kitchen sink designed to treat only the water that you consume.

If your arsenic level is 0.025 mg/L or more, request an “arsenic speciation test” from your laboratory to ensure that the treatment method being considered results in the best possible reduction of arsenic. More information about treatment for arsenic can be found by selecting “arsenic” in [MassDEP's Contaminants information web page](#) .

Massachusetts regulations prohibit the on-site discharge of regeneration brine solutions from anion exchange systems that are designed to remove arsenic from water. If you decide to use an anion exchange system you may only do so if the anion exchange filter media vessel is either exchanged with a vessel containing fresh filter media, with the spent filter media being sent off-site for proper off-site regeneration/disposal, or the regeneration brine solution is temporarily held in

Resources

Be Well Informed Water Analysis Tool

Entry

Resources

Results

Resources

Phone Support

For private well questions please contact Massachusetts Department of Environmental Protection's Drinking Water Program:

Massachusetts Department of Environmental Protection

Drinking Water Program

100 Cambridge Street Suite 900

Boston, MA 02114

☎(617) 292-5500

Program.Director-DWP@mass.gov

Resources, cont.

Additional Resources

Centers for Disease Control and Prevention

<https://www.cdc.gov> 

1600 Clifton Rd

Atlanta, GA 30329

800-CDC-INFO (800-232-4636)


TTY: (888) 232-6348

Contact CDC-INFO:

<https://www.cdc.gov/dcs/ContactUs/Form> 

EPA (Environmental Protection Agency):

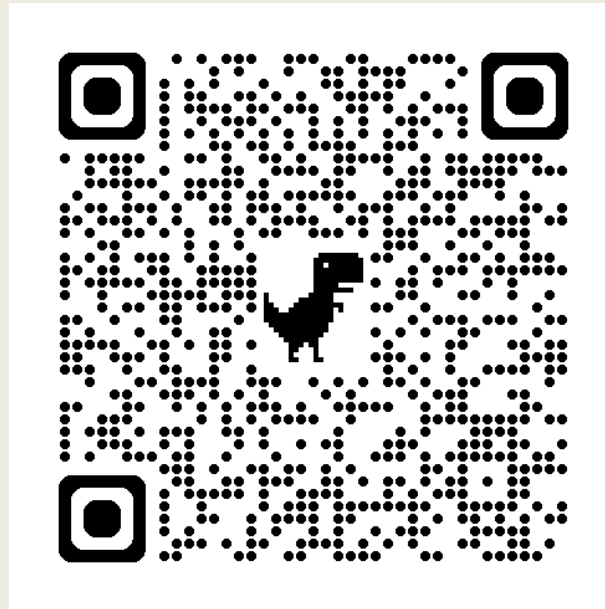
Inquiries specific to groundwater and drinking water can be submitted to an information specialist through the EPA Safe Drinking Water Hotline at 1-800-426-4791

<https://www.epa.gov/ground-water-and-drinking-water/forms/online-form-epas-office-ground-water-and-drinking-water> 

MassDEP's Home and Green Burial Fact Sheet

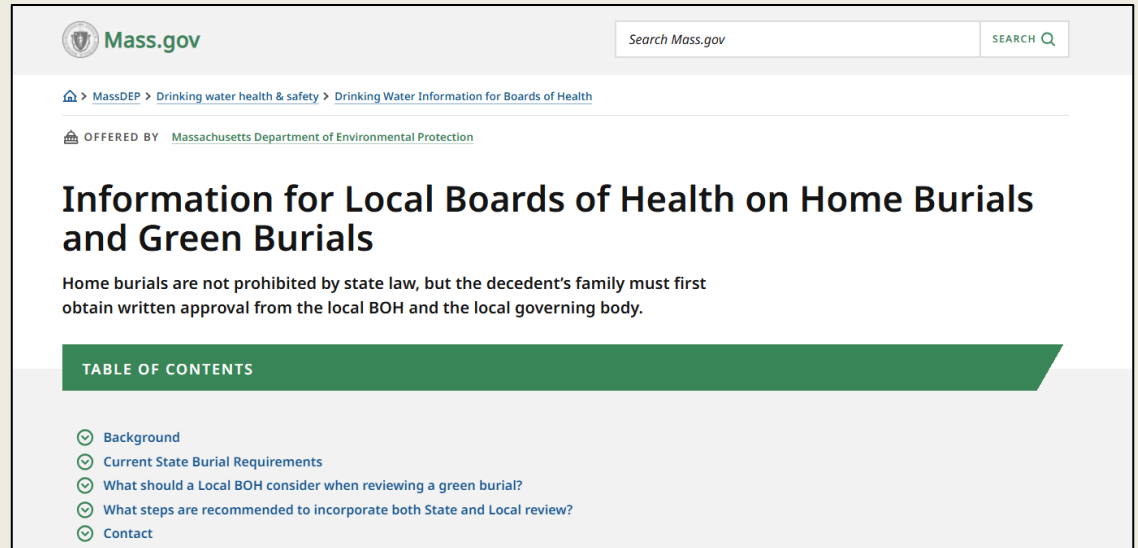
- References applicable laws and regulations
- MassDEP's role in approving proposed burial plots
- Lists recommended setback distances from private wells
- <https://www.mass.gov/info-details/information-for-local-boards-of-health-on-home-burials-and-green-burials>

QR Code for Home and Green Burial Fact Sheet



Pending Changes to Fact Sheet

- Fact sheet will be revised to apply to all types of burial plots, including home, green, and conventional cemeteries



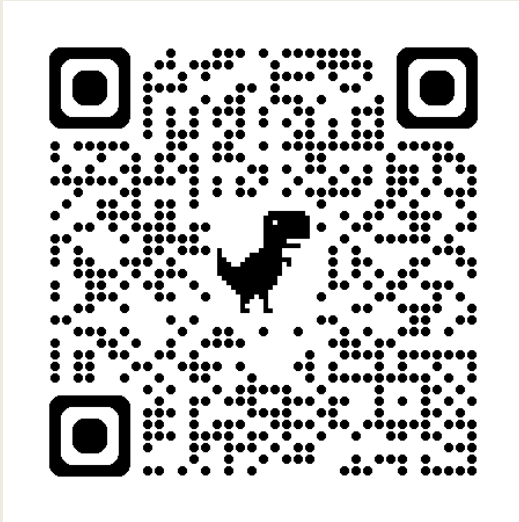
The screenshot shows a webpage from Mass.gov. At the top left is the Mass.gov logo. To the right is a search bar with the text 'Search Mass.gov' and a magnifying glass icon. Below the search bar is a breadcrumb trail: 'MassDEP > Drinking water health & safety > Drinking Water Information for Boards of Health'. Underneath is the text 'OFFERED BY Massachusetts Department of Environmental Protection'. The main heading is 'Information for Local Boards of Health on Home Burials and Green Burials'. Below the heading is a paragraph: 'Home burials are not prohibited by state law, but the decedent's family must first obtain written approval from the local BOH and the local governing body.' A green bar with the text 'TABLE OF CONTENTS' is positioned below the paragraph. Underneath the bar is a list of five items, each with a circular icon containing a checkmark: 'Background', 'Current State Burial Requirements', 'What should a Local BOH consider when reviewing a green burial?', 'What steps are recommended to incorporate both State and Local review?', and 'Contact'.

- Removal of text implying home burial plots might be regulated differently from conventional cemeteries

MassDEP Plan Approval

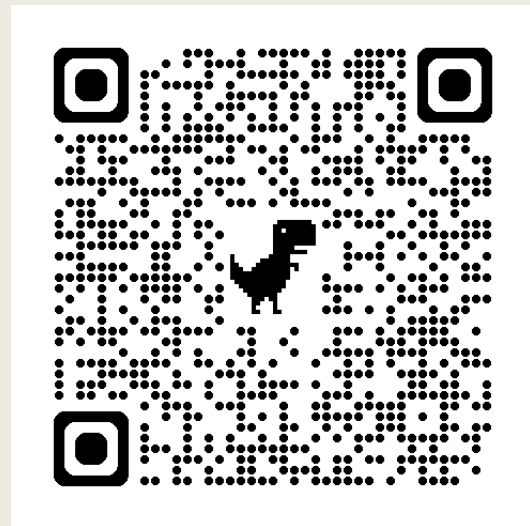
- Massachusetts General Law Chapter 114, Section 35: unless the property was approved for burial prior to 1908, that land that is situated so that surface water or ground drainage enters a pond, stream, well, filter gallery, public water supply, or tributary source cannot be used for burial purposes unless MassDEP has given written approval to the plan.
- Public water system source setbacks requirements pursuant to the Massachusetts Drinking Water Regulations apply to conventional burials and green burials.

Joe Cerutti: 781-465-4123 or joseph.cerutti@mass.gov



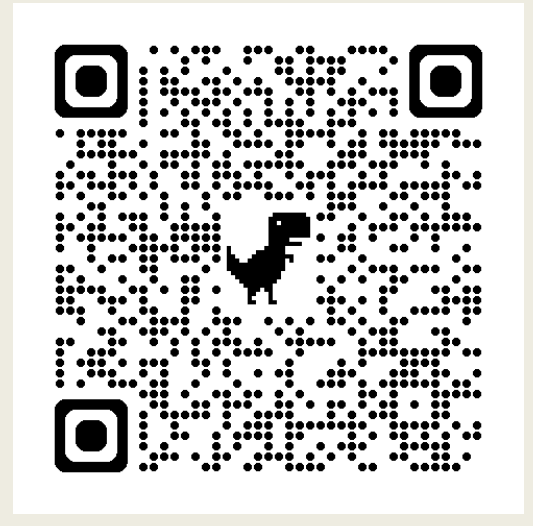
← Title 5
Viewer

Be Well
Informed →



← Well Location
Viewer

Home/Green
Burials →



Title 5 Data Viewer:

<https://experience.arcgis.com/experience/79989f3c752b47f885c425a480725c14>

Well Location Viewer:

<https://mass-eoeea.maps.arcgis.com/apps/webappviewer/index.html?id=cdd11842864942178b71f2c7bd5a0b95>

Be Well Informed:

<https://bewellinformed.info/workbench>

Home/Green Burials:

<https://www.mass.gov/info-details/information-for-local-boards-of-health-on-home-burials-and-green-burials>