

NHDES Drinking Water
Source Protection Conference – May 11, 2016

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Drinking Water Branch,
Source Water Protection

**NEW -
IMPROVED**

**DWMMAPS Website can be
found at:**

**[www.epa.gov/sourcewater
protection/DWMMAPS](http://www.epa.gov/sourcewater
protection/DWMMAPS)**

To use DWMAPS you will need:

1. Patience
2. Geographical Area of Interest
3. Program Interest (non-point source, WQ)

You Do Not Need

a Login ID, Password or a No. 2 Pencil

Screenshot
of what you
see when
you first
log in

The screenshot shows the EPA website's DWMAPS page. At the top, there is a navigation bar with the EPA logo and the text "United States Environmental Protection Agency". Below this are several menu items: "Learn the Issues", "Science & Technology", "Laws & Regulations", and "About EPA". A search bar labeled "Search EPA.gov" is positioned on the right side of the navigation bar. The main content area features a "Related Topics" section with a link to "Source Water Protection (SWP)". The title "DWMAPS" is prominently displayed, followed by the subtitle "Drinking Water Mapping Application to Protect Source Waters". A list of three bullet points provides links to: "What is the Drinking Water Mapping Application to Protect Source Waters (DWMAPS)?", "How can DWMAPS be used to protect sources of drinking water?", and "Access DWMAPS and user guide". A note below the list states: "* EPA was recently made aware that some searches of public water systems are returning incomplete results. EPA is working to resolve the issue as quickly as possible." The next section is titled "What is the Drinking Water Mapping Application to Protect Source Waters (DWMAPS)?" and explains that the tool helps users find information about drinking water in their community. It lists four key questions the tool answers: "Who supplies my drinking water?", "Is the source of my drinking water polluted?", "Are there possible sources of pollution near my drinking water that might be affecting my community's water supply?", and "How can I get involved in protecting sources of drinking water in my community?". A small inset image shows the DWMAPS application interface with a map of the United States and a "Where Do I Start?" dialog box. The final section on the page is titled "How can DWMAPS be used to protect sources of drinking water?" and begins with the text "Welcome page of DWMAPS includes prompts to guide users through queries about their drinking water sources."

Basic Elements of DW Maps



- Layout contains toolbars in Upper Left Side of Display
- Location Search Bar
- Right Side:
Legend, Layers and Basemap

Drinking Water Mapping Application to Protect Source Waters (DWMAPS)

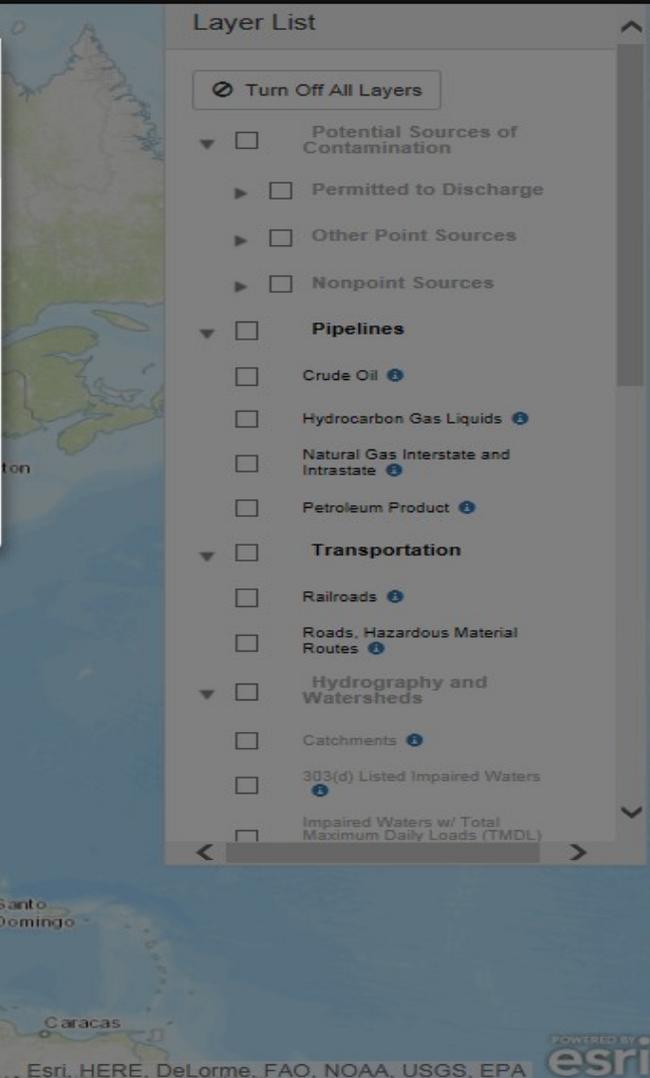
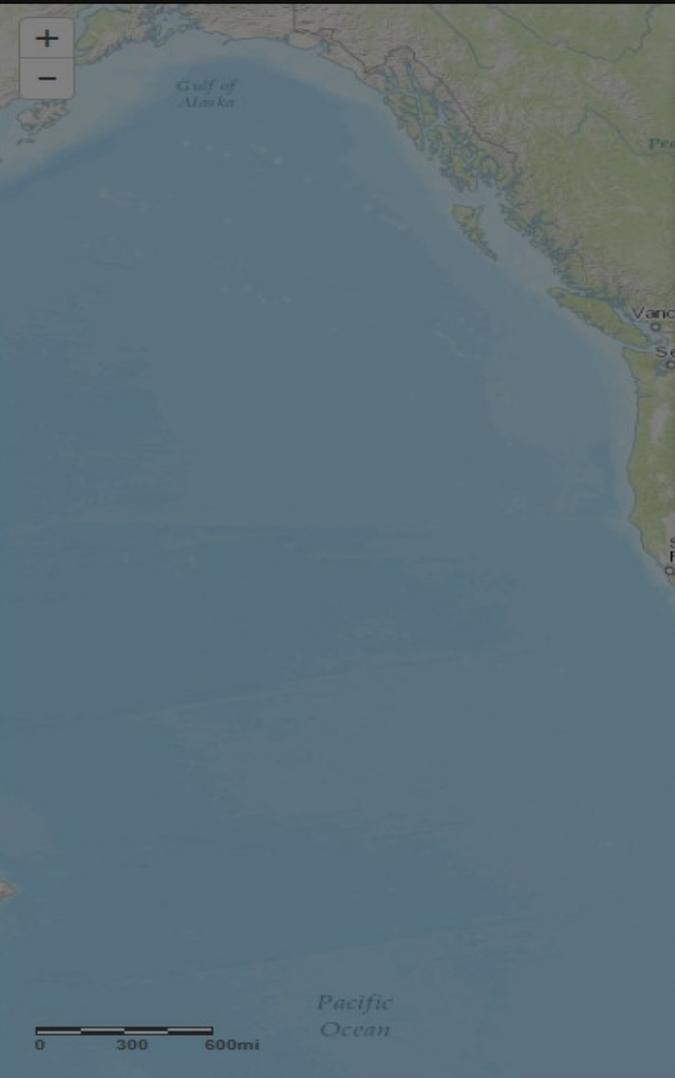
Where Do I Start?

- Who Supplies My Water?
- Where Are Potential Sources of Contamination?
- Is My Waterway Polluted?
- What Can I Do About It?
- Complete User Guide

Layer List

Turn Off All Layers

- Potential Sources of Contamination
 - Permitted to Discharge
 - Other Point Sources
 - Nonpoint Sources
- Pipelines
 - Crude Oil
 - Hydrocarbon Gas Liquids
 - Natural Gas Interstate and Intrastate
 - Petroleum Product
- Transportation
 - Railroads
 - Roads, Hazardous Material Routes
- Hydrography and Watersheds
 - Catchments
 - 303(d) Listed Impaired Waters
 - Impaired Waters w/ Total Maximum Daily Loads (TMDL)



Tools You Can Use – Finding Water Supplies

https://epamap37.epa.gov/dwmaps/

File Edit View Favorites Tools Help

http--www.townofsharon... Events Calendar – Americ... Sustainable Water Manag... Team - BlueWave Capital

DWMAPS Show last report Clear query Find address or place Legend Layers Basemap

Water Supply Information

State

County

Watershed information
 Water system information

OK Close

Layer List

- Turn Off All Layers
- Potential Sources of Contamination
 - Permitted to Discharge
 - Other Point Sources
 - Nonpoint Sources
- Pipelines
 - Crude Oil
 - Hydrocarbon Gas Liquids
 - Natural Gas Interstate and Intrastate
 - Petroleum Product
- Transportation

Map loading errors occurred. DWMAPS uses data from several external sources; currently there is an issue with the following layer(s): Flood, 100 year, Flood, 500 year, Flood, 100 year, Flood, 500 year. The application will work, but these layers will not be included on the map.

Esri, HERE, DeLorme, FAO, NOAA, USGS, EPA

Who Supplies My Water?

- ✓ Select State
- ✓ Select County
“Hillsborough County NH”
- ✓ Select Water System Information

Drinking Water System Information

Information displayed includes water systems that serve this area or are located within this area.

PWS ID	County	City	Public water system serving this area	Population served
NH2452010	Hillsborough	WEARE	PELDANIELS LKE	70
NH1871010	Hillsborough	PETERBOROUGH	PETERBOROUGH WATER WORKS	4,082
NH1879020	Hillsborough	PETERBOROUGH	PETERBOROUGH PLAYERS THEATRE	250
NH1855060	Hillsborough	PELHAM	PERFECT PLACE FOR CHILDREN	54
NH2528020	Hillsborough	WILTON	PEP DIRECT	195
NH1821010	Hillsborough	NASHUA	PENNICHUCK WATER WORKS	87,882
NH1588040	Hillsborough	MILFORD	PENGUIN MART	125
NH1857040	Hillsborough	PELHAM	PELHAM VETERANS MEMORIAL PARK	200
NH1869060	Hillsborough	PELHAM	PELHAM SENIOR CENTER	40
NH1856010	Hillsborough	PELHAM	PELHAM PLAZA	100

Showing 71 to 80 of 278 entries

- *Who Supplies My Water ?*

The application will supply you with a list of public water systems for the county

But no specific locations of Public Water Supplies are depicted.

Browser address bar: <https://ofmpub.epa.gov/apex/sfdw/f?p=S>

Page Title: **Safe Drinking Water Information System (SDWIS) Federal Reporting Services**

Navigation: [Learn the Issues](#) | [Science & Technology](#) | [Laws & Regulations](#) | [About EPA](#)

Search:

Language: [Español](#) | [中文: 繁體版](#) | [中文: 简体版](#) | [Tiếng Việt](#) | [한국어](#)

Safe Drinking Water Information System (SDWIS) Federal Reporting Services [Contact Us](#) [Share](#)

You are here: [EPA Home](#) » [Your Drinking Water](#) » [SDWIS Federal Reports Search](#) » [Report Options](#) » [SDWIS PWS Search](#)

Your Drinking Water Query results from SDWIS Fed Reporting Services

PWS ID	NH1621010
PWS Name	PENNICHUCK WATER WORKS
PWS Type	Community water system
Owner Type	Private
Primary Source	Surface water
Primacy Type	State
Is Wholesaler?	No
Population Served	87682
County Served	Hillsborough

Related Info

- [Your Drinking Water](#)
- [Safe Drinking Water Act](#)
- [Consumer Confidence Reports](#)
- [Safe Drinking Water Hotline](#)
- [Drinking Water Mapping Application](#)
- [Contact Us about Your Drinking Water](#)

The tables below list all violations that the state reported to EPA for this water system. Health-based violations are listed first, followed by treatment technique, MRDL, monitoring, reporting, and other violations.

Health-based	Violations of maximum contaminant levels (MCLs) or maximum residual disinfectant levels (MRDLs), which specify the highest concentrations of contaminants or disinfectants, respectively, allowed in drinking water; or of treatment technique (TT) rules, which specify required processes intended to reduce the amounts of contaminants in drinking water. MCLs, MRDLs, and treatment technique rules are all health-based drinking water standards.
Maximum Contaminant Level or MCL	The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
Treatment Technique	A required process intended to reduce the level of a contaminant in drinking water.

Pennichuck Water Works Selected

Public water system Data from the Public Drinking Water

Water Supply Information – Pick

The screenshot displays the DWMAPS web application interface. At the top, a browser address bar shows the URL <https://epamap37.epa.gov/dwmaps/>. Below the address bar is a menu bar with options: File, Edit, View, Favorites, Tools, Help. A toolbar contains icons for home, RSS, email, print, page, safety, tools, help, and document. The browser's address bar shows several open tabs: <http--www.townofsharon...>, [Events Calendar – Americ...](#), [Sustainable Water Manag...](#), and [Team - BlueWave Capital](#).

The application interface includes a search bar with the text "Find address or place", a "Legend" button, a "Layers" button, and a "Basemap" button. A "Show last report" and "Clear query" button are also present. The main map area shows a satellite view of New Hampshire with a green overlay indicating a specific region. The map includes labels for various towns and locations such as Concord, Manchester, and Greenfield.

On the right side, a "Layer List" panel is visible, containing the following categories and options:

- Turn Off All Layers
- Potential Sources of Contamination
 - Permitted to Discharge
 - Other Point Sources
 - Nonpoint Sources
- Pipelines
 - Crude Oil
 - Hydrocarbon Gas Liquids
 - Natural Gas Interstate and Intrastate
 - Petroleum Product
- Transportation
 - Railroads
 - Roads, Hazardous Material Routes
- Hydrography and Watersheds

Water Supply Information-Searching By Drawing A Polygon

https://epamap37.epa.gov/dwmaps/#7

File Edit View Favorites Tools Help

http--www.townofsharon... Events Calendar - Americ... Sustainable Water Manag... Team - BlueWave Capital

DWMAPS Show last report Clear query Find address or place Legend Layers Basemap

Watershed Information

Measurement Result
13516.0 Acres

Search

Watershed name	% of watershed covered by a source water protection area	Surface water intake density	Ground water well density
East Branch Fever Brook	0%	0	0
Headwaters Middle Branch Swift River	22%	2	1
Mill Brook-Millers River	3%	1	9
Quabbin Reservoir-East Branch Swift River	0%	0	2

Showing 1 to 4 of 4 entries

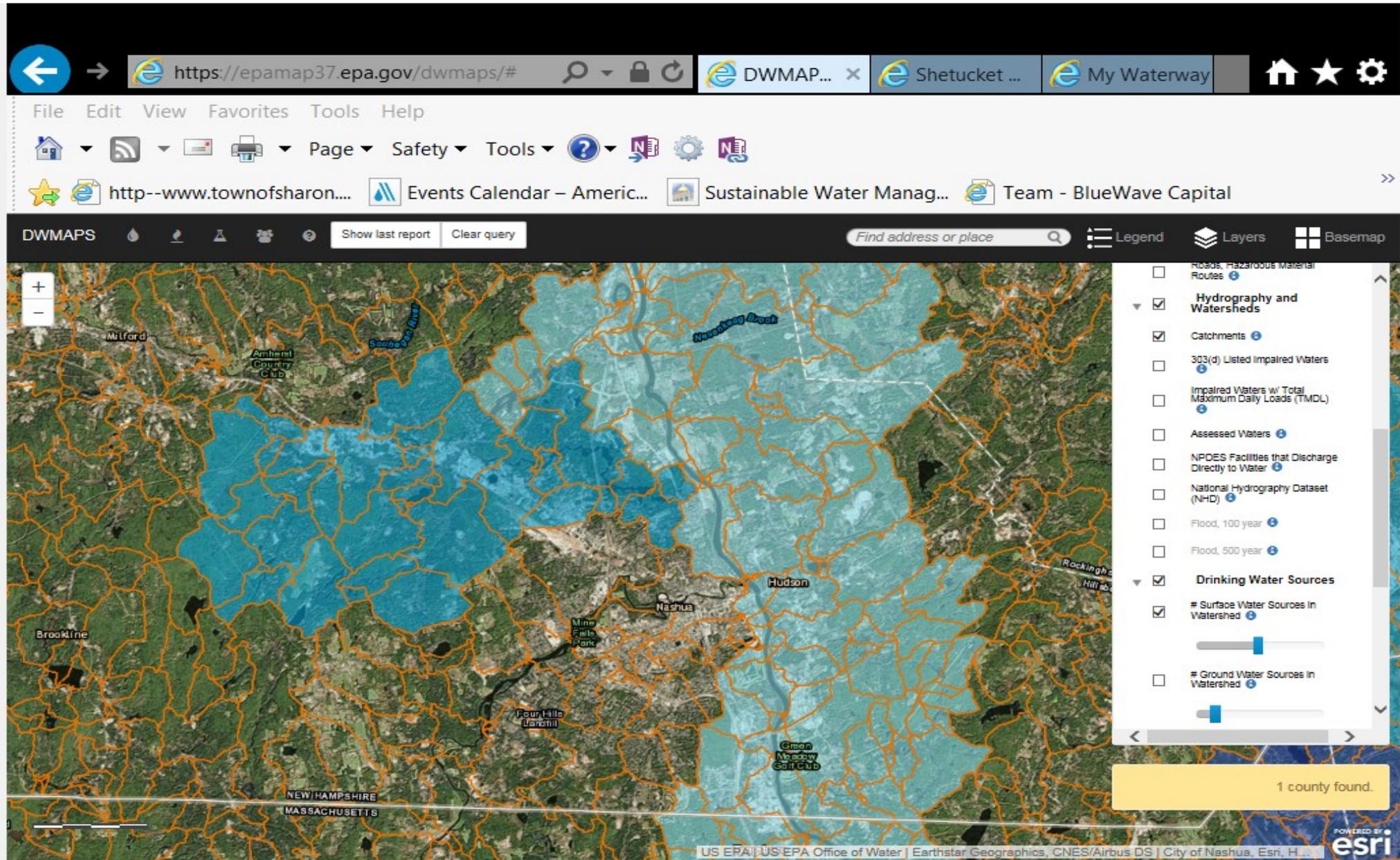
*Links are to a larger hydrologic unit that includes your watershed. Names may differ.

More Information

[Safe Drinking Water Information from SDWIS Federal](#)
[Consumer confidence reports](#)
For more information on your drinking water supplier, please contact your state agency at

4 watershed(s) found.

Water Supply System Density



Water Supply Information

The screenshot shows a web browser window with the URL <https://watersgeo.epa.gov/mywaterway/>. The browser's address bar includes navigation icons and tabs for 'DWMAPS - ...', 'Shetucket ...', and 'My Wate...'. The browser's menu bar includes 'File', 'Edit', 'View', 'Favorites', 'Tools', and 'Help'. The browser's toolbar includes icons for home, RSS, mail, print, page, safety, tools, help, and search. The browser's status bar includes a star icon and a search icon, along with the text 'http--www.townofsharon...', 'Events Calendar - Americ...', 'Sustainable Water Manag...', and 'Team - BlueWave Capital'. The website's header features the EPA logo and the text 'United States Environmental Protection Agency'. The main content area is titled 'How's My Waterway?' and includes the subtitle 'Find information about local waters'. Below the title are two circular icons: 'Use My Location' (a person icon) and 'Choose a Location' (a magnifying glass icon). Below the icons is a paragraph of text: 'Learn the condition of local streams, lakes and other waters anywhere in the US... quickly and in plain language. See if your local waterway was checked for pollution, what was found, and what is being done. The source of this information is a US Environmental Protection Agency (EPA) database of State water quality monitoring reports provided under the Clean Water Act.' Below the text are four buttons: 'About How's My Waterway', 'Related Links', 'Help', and a social media icon for Facebook and Twitter. The footer of the website includes the text 'EPA Home | Privacy | Contact'.

← → ? https://watersgeo.epa.gov/mywaterway/ 🔍 ↻ DWMAPS - ... Shetucket ... My Wate... × 🏠 ★ ⚙️

File Edit View Favorites Tools Help

🏠 📡 📧 🖨️ 📄 🛡️ 🛠️ ? 📄 ⚙️ 📄

★ 📄 http--www.townofsharon... 📄 Events Calendar - Americ... 📄 Sustainable Water Manag... 📄 Team - BlueWave Capital >>

EPA United States Environmental Protection Agency 🏠 Home

How's My Waterway?

Find information about local waters

 Use My Location  Choose a Location

Learn the condition of local streams, lakes and other waters anywhere in the US... quickly and in plain language. See if your local waterway was checked for pollution, what was found, and what is being done. The source of this information is a US Environmental Protection Agency (EPA) database of State water quality monitoring reports provided under the Clean Water Act.

About How's My Waterway

Related Links

Help

EPA Home | Privacy | Contact

Safe Drinking Water Information System (SDWIS) Reports

Safe Drinking Water Information System (SDWIS) Federal Reporting Services

Your Drinking Water Query results from SDWIS Fed Reporting Services

PWS ID	NH1621010
PWS Name	PENNICHUCK WATER WORKS
PWS Type	Community water system
Owner Type	Private
Primary Source	Surface water
Primacy Type	State
Is Wholesaler?	No
Population Served	87682
County Served	Hillsborough

Related Info

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- [Safe Drinking Water Act](#)
- [Consumer Confidence Reports](#)
- [Safe Drinking Water Hotline](#)
- [Drinking Water Mapping Application](#)
- [Contact Us about Your Drinking Water](#)

The tables below list all violations that the state reported to EPA for this water system. Health-based violations are listed first, followed by treatment technique, MRDL, monitoring, reporting, and other violations.

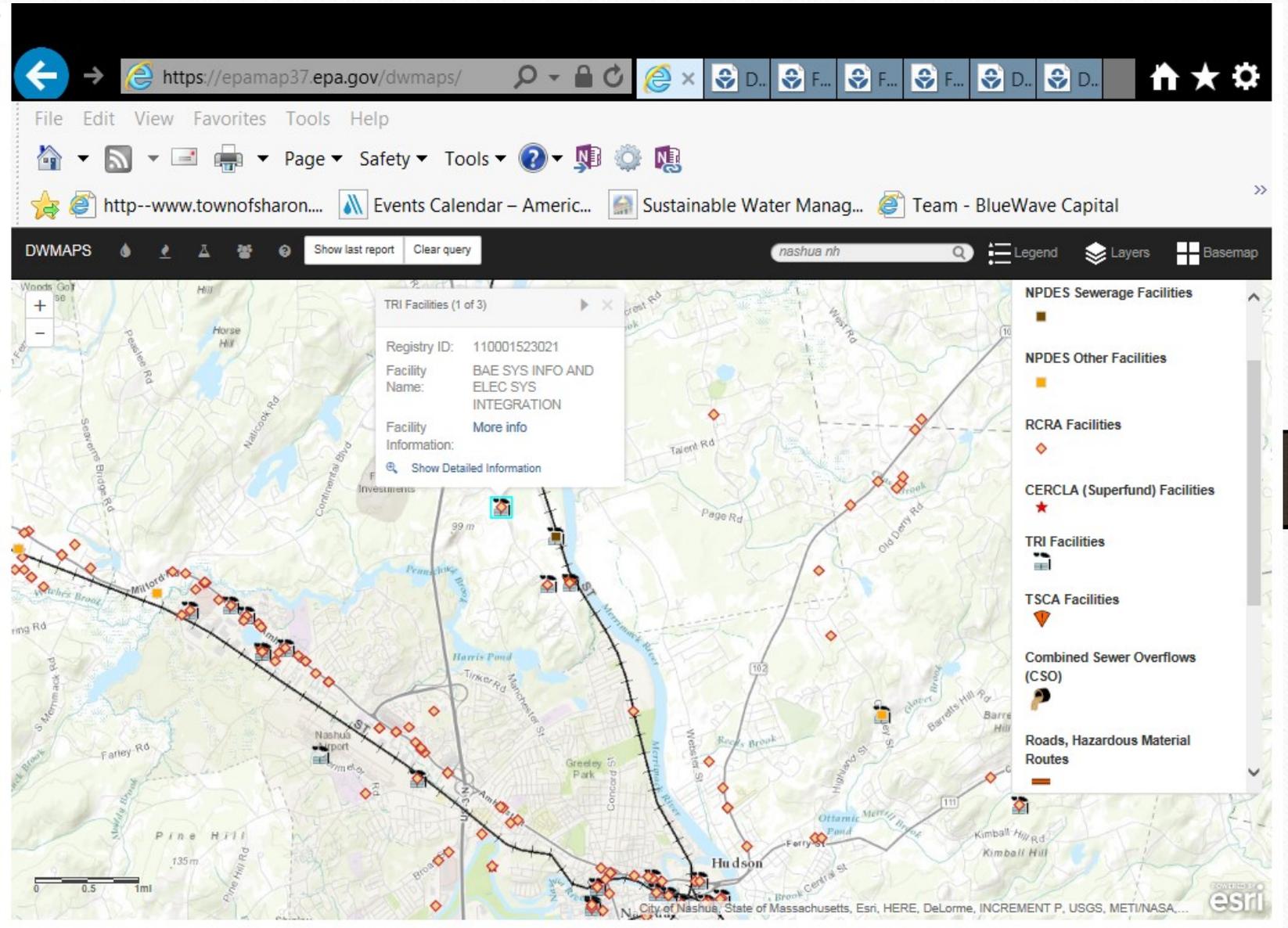
Health-based	Violations of maximum contaminant levels (MCLs) or maximum residual disinfectant levels (MRDLs), which specify the highest concentrations of contaminants or disinfectants, respectively, allowed in drinking water; or of treatment technique (TT) rules, which specify required processes intended to reduce the amounts of contaminants in drinking water. MCLs, MRDLs, and treatment technique rules are all health-based drinking water standards.
Maximum Contaminant Level or MCL	The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available
Treatment Technique	A required process intended to reduce the level of a contaminant in drinking water.

Is My Water Polluted? – Select Potential Sources of Contamination

Select “Flame”

(2nd Icon from Left)

NPDES, CERCLA
(Superfund), RCRA,
Toxics Release
Inventory (TRI), TSCA
facilities



Potential Sources of Contamination

Clicking on Facility will bring up a Detailed Facility Report using the Facility Registration Service – Unified Permit No.

The screenshot shows a web browser displaying the EPA DWMAPS application. The browser address bar shows the URL <https://epamap37.epa.gov/dwmaps/>. The application interface includes a search bar, navigation tools, and a legend. A pop-up window titled "FRS Facilities Detailed Attributes" is open, displaying a table with the following data:

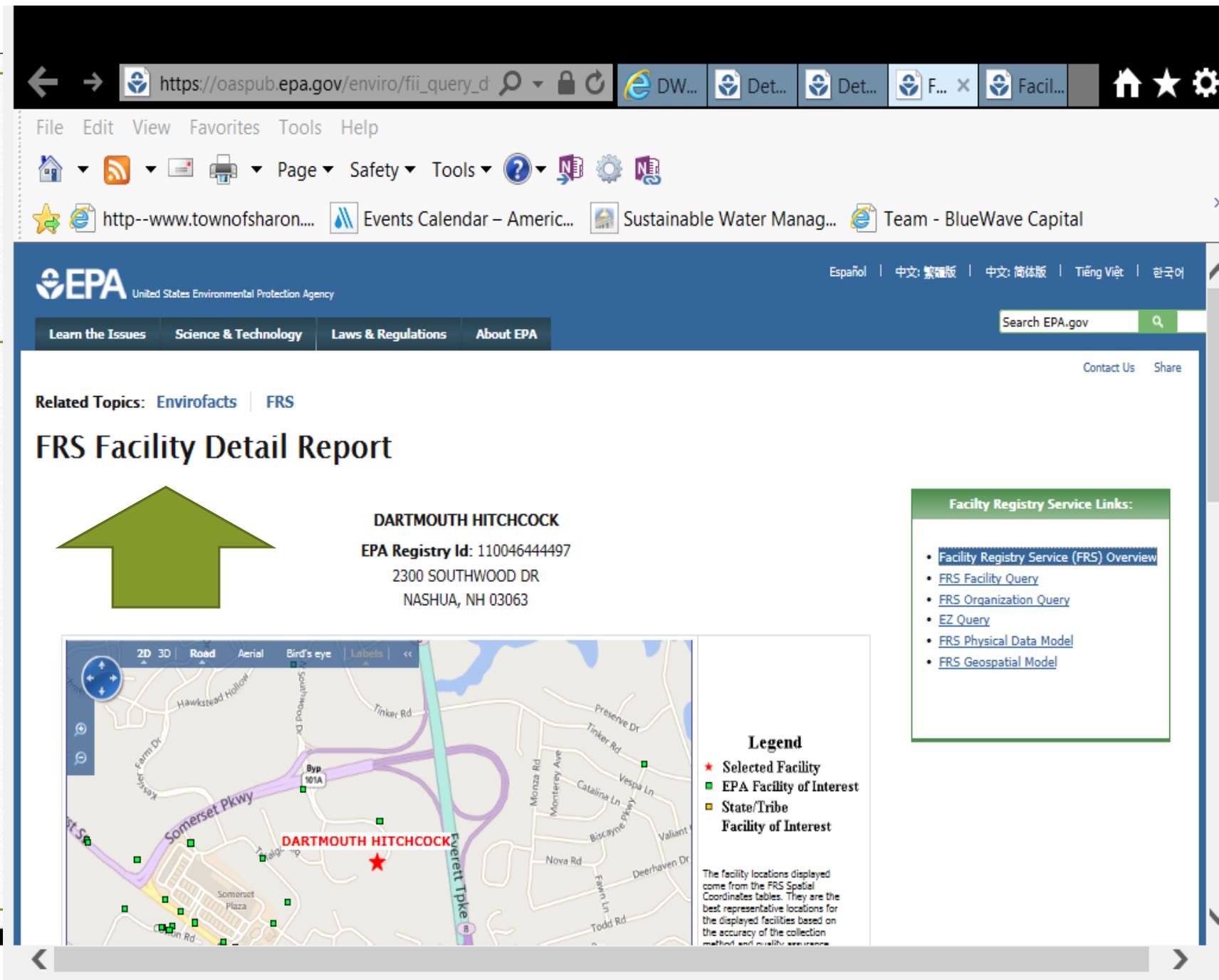
Reglery ID	Facility Name	Interest Type	Source of Data	NAICS Code Description	SIC Code Description
110046444497	DARTMOUTH HITCHCOCK	CESQG	RCRAINFO	OFFICES OF PHYSICIANS (EXCEPT MENTAL HEALTH SPECIALISTS).	

The table shows 1 of 1 entries. A red arrow points from the text on the left to the "DARTMOUTH HITCHCOCK" facility name in the table. Below the table, there is a "Close" button. The background map shows a geographical area with various roads and water bodies.

Potential Sources of Contamination

Facility Report

Source - Facility Registration Service



The screenshot shows a web browser displaying the EPA's Facility Registry Service (FRS) detail page for Dartmouth Hitchcock. The browser's address bar shows the URL: https://oaspub.epa.gov/enviro/fii_query_d. The page header includes the EPA logo and navigation links for "Learn the Issues", "Science & Technology", "Laws & Regulations", and "About EPA". A search bar is located in the top right corner.

Below the header, the page is titled "FRS Facility Detail Report" with "Related Topics: Envirofacts | FRS". A large green arrow points upwards towards the facility information. The facility details are as follows:

- DARTMOUTH HITCHCOCK**
- EPA Registry Id:** 110046444497
- Address:** 2300 SOUTHWOOD DR, NASHUA, NH 03063

A map below the text shows the facility location (marked with a red star) in Nashua, NH, near Somerset Pkwy and Everett Pkwy. A legend on the right side of the map explains the symbols: a red star for "Selected Facility", a green square for "EPA Facility of Interest", and a yellow square for "State/Tribe Facility of Interest". A note at the bottom of the legend states: "The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance."

On the right side of the page, there is a "Facility Registry Service Links" box containing the following links:

- [Facility Registry Service \(FRS\) Overview](#)
- [FRS Facility Query](#)
- [FRS Organization Query](#)
- [EZ Query](#)
- [FRS Physical Data Model](#)
- [FRS Geospatial Model](#)



The URL you requested has changed. You have been redirected to the new URL. Please update your bookmarks.

You are here Home » Detailed Facility Report

Detailed Facility Report

+ Expand All - Collapse All

Report Violation | Report Data Error | Data Dictionary | Print | Help

Facility Summary



DARTMOUTH HITCHCOCK
2300 SOUTHWOOD DR, NASHUA, NH 03063 ⓘ
 FRS ID: [110046444497](#)
 EPA Region: 01
 Latitude: 42.78622
 Longitude: -71.49853
 Locational Data Source: FRS
 Industry: Ambulatory Health Care Services
 Indian Country: N



Enforcement and Compliance Summary ⚠

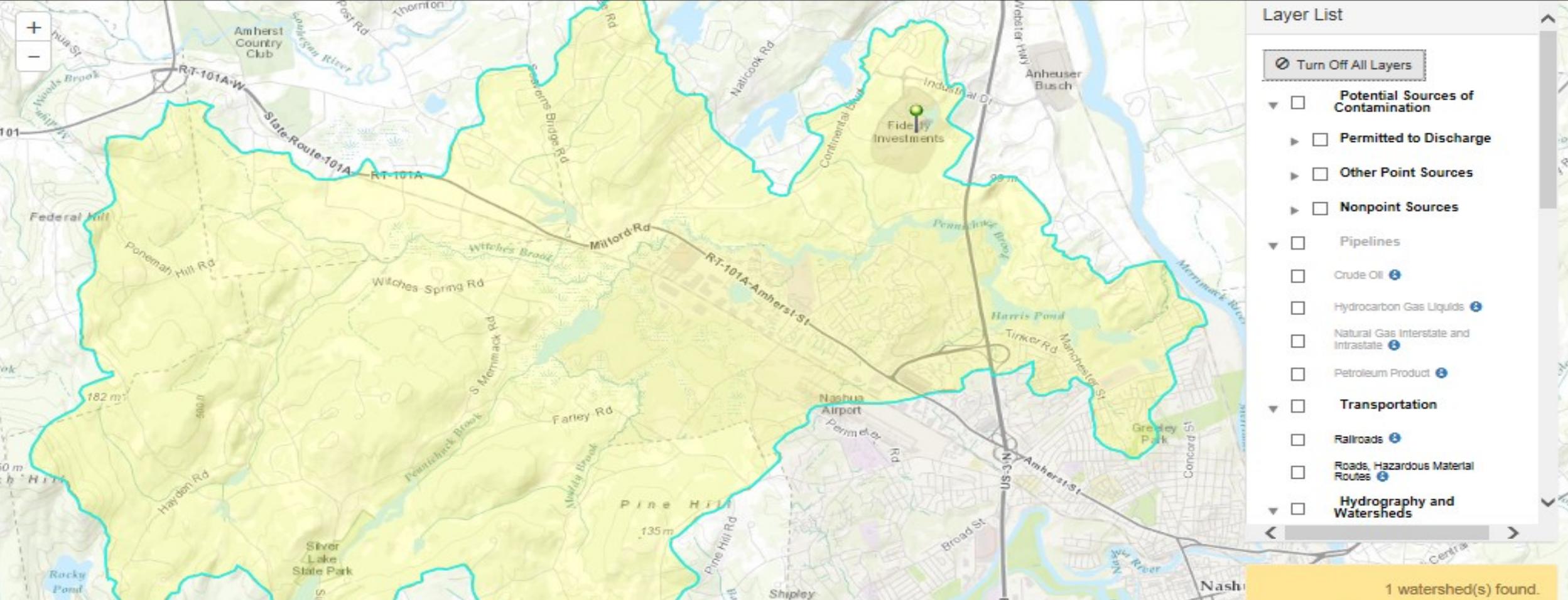
Status	Insp (S)	Date of Last	Current	Qtrs in NC	Qtrs in Significant	Informal Enforcement	Formal Enforcement	Penalties from Formal	EPA Cases	Penalties from EPA
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For Watershed Information Related to Drinking Water Sources

The screenshot displays the DWMAPS web application interface. The browser address bar shows the URL <https://epamap37.epa.gov/dwmaps/>. The application title is "DWMAPS - Drinking Water ...". The interface includes a search bar with the placeholder text "Find address or place", a "Legend" button, a "Layers" button, and a "Basemap" button. A "Layer List" panel on the right side of the map shows various layers, including "Potential Sources of Contamination", "Pipelines", "Transportation", and "Hydrography and Watersheds". A dialog box titled "Drinking Water Mapping Application to Protect Source Waters (DWMAPS)" is open in the center of the map, with the heading "Where Do I Start?". The dialog box contains the following options:

- [Who Supplies My Water?](#)
- [Where Are Potential Sources of Contamination?](#)
- [Is My Waterway Polluted?](#)
- [What Can I Do About It?](#)
- [Complete User Guide](#)

The map shows a view of North America, including the Gulf of Alaska, the Gulf of Mexico, and the Caribbean Sea. A scale bar at the bottom left indicates distances up to 600 miles. The Esri logo is visible in the bottom right corner of the map area.

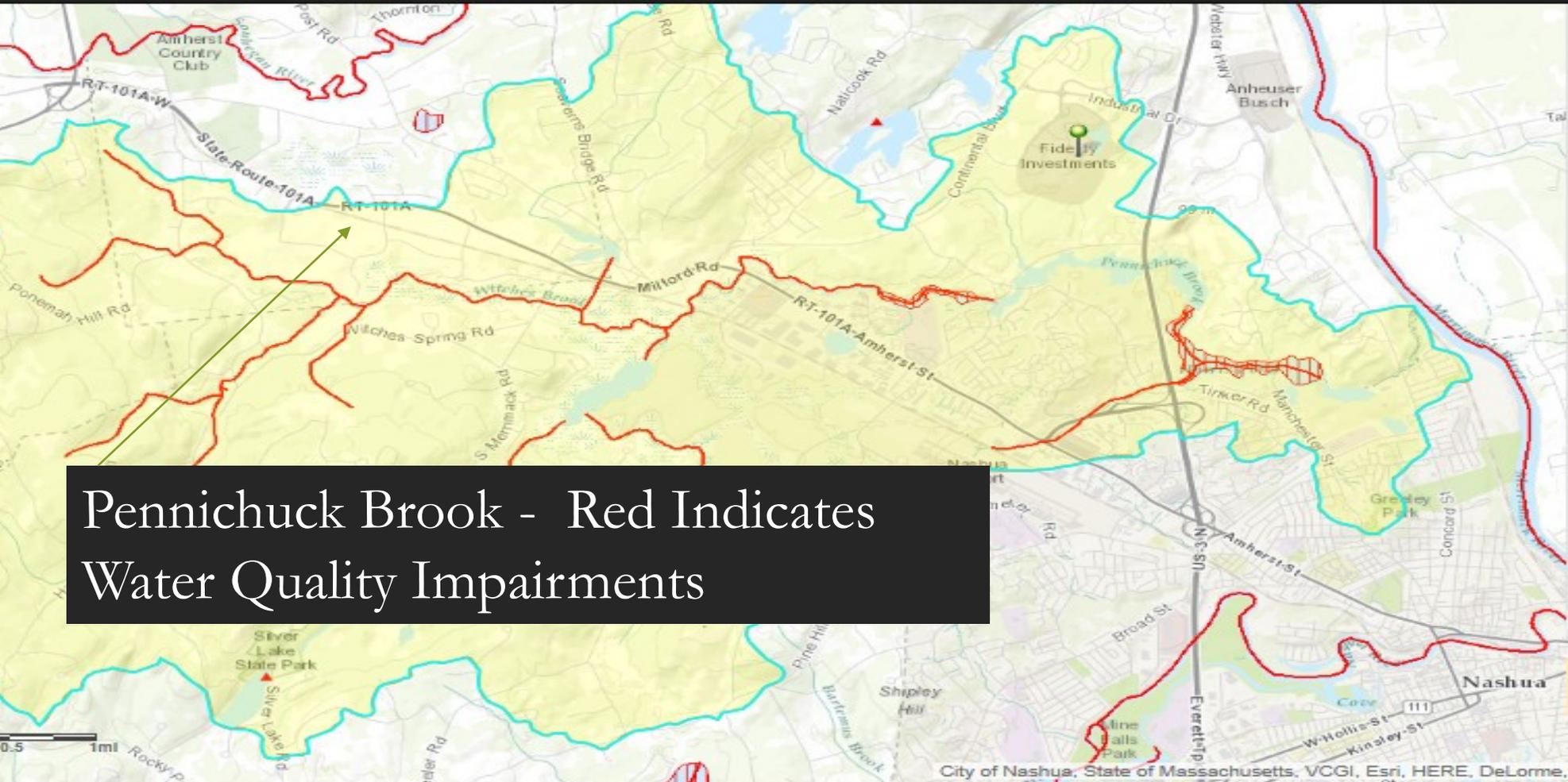


Layer List

Turn Off All Layers

- Potential Sources of Contamination
 - Permitted to Discharge
 - Other Point Sources
 - Nonpoint Sources
- Pipelines
 - Crude Oil
 - Hydrocarbon Gas Liquids
 - Natural Gas Interstate and Intrastate
 - Petroleum Product
- Transportation
 - Railroads
 - Roads, Hazardous Material Routes
- Hydrography and Watersheds

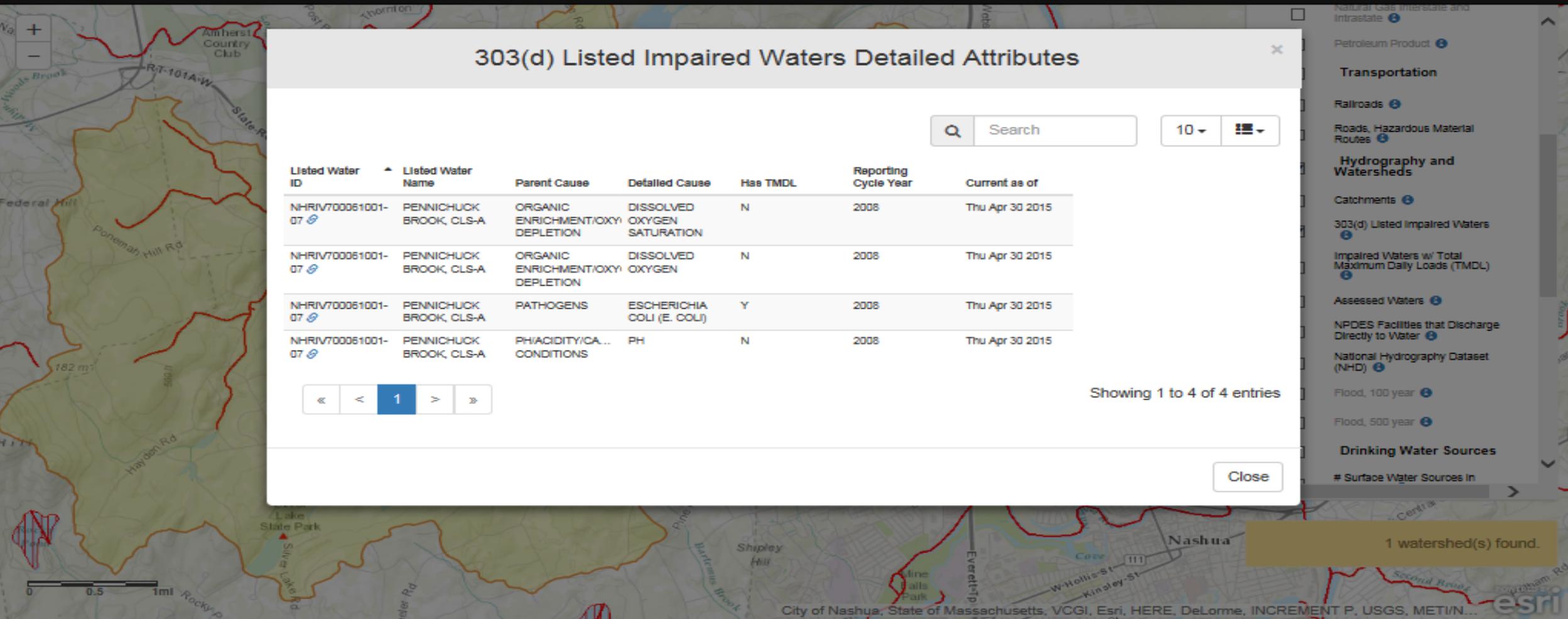
1 watershed(s) found.



- Natural Gas Interstate and Intrastate
- Petroleum Product
- Transportation**
- Railroads
- Roads, Hazardous Material Routes
- Hydrography and Watersheds**
- Catchments
- 303(d) Listed Impaired Waters
- Impaired Waters w/ Total Maximum Daily Loads (TMDL)
- Assessed Waters
- NPDES Facilities that Discharge Directly to Water
- National Hydrography Dataset (NHD)
- Flood, 100 year
- Flood, 500 year
- Drinking Water Sources**
- # Surface Water Sources In

Pennichuck Brook - Red Indicates Water Quality Impairments

1 watershed(s) found.



303(d) Listed Impaired Waters Detailed Attributes

10 ▾
▾

Listed Water ID	Listed Water Name	Parent Cause	Detailed Cause	Has TMDL	Reporting Cycle Year	Current as of
NHRIV700061001-07	PENNICHUCK BROOK, CLS-A	ORGANIC ENRICHMENT/OXY DEPLETION	DISSOLVED OXYGEN SATURATION	N	2008	Thu Apr 30 2015
NHRIV700061001-07	PENNICHUCK BROOK, CLS-A	ORGANIC ENRICHMENT/OXY DEPLETION	DISSOLVED OXYGEN	N	2008	Thu Apr 30 2015
NHRIV700061001-07	PENNICHUCK BROOK, CLS-A	PATHOGENS	ESCHERICHIA COLI (E. COLI)	Y	2008	Thu Apr 30 2015
NHRIV700061001-07	PENNICHUCK BROOK, CLS-A	PH/ACIDITY/CA... CONDITIONS	PH	N	2008	Thu Apr 30 2015

« < 1 > »

Showing 1 to 4 of 4 entries

Close

1 watershed(s) found.

Clean Water Act Analysis Tool – Advanced

For Watershed Information on Pollution- Select “Is My Watershed Polluted?”

Information related to Clean Water Act will appear

The screenshot shows a web browser window displaying the 'Clean Water Act Analysis Tool' interface. The browser address bar shows the URL 'https://epamap37.epa.gov/dwmaps/'. The page title is 'DWMAPS - Drinking W...'. The browser's address bar also shows 'Detailed Facility Report | E...'. The browser's menu bar includes 'File', 'Edit', 'View', 'Favorites', 'Tools', and 'Help'. The browser's toolbar includes icons for home, back, forward, search, and other functions. The browser's address bar also shows 'http--www.townofsharon.n...' and 'Events Calendar - America...'. The browser's status bar shows 'Sustainable Water Manage...' and 'Team - BlueWave Capital'. The main content area of the browser shows the 'DWMAPS' application. The application has a search bar with 'merimack river' entered. The application has a 'Legend' and 'Layers' panel on the right. The application has a 'Basemap Gallery' on the right with various map styles like 'Imagery', 'Imagery with Labels', 'Streets', 'Topographic', 'Dark Gray Canvas', 'Light Gray Canvas', 'National Geographic', 'Oceans', 'Terrain with Labels', and 'OpenStreetMap'. The application has a 'Clean Water Act Analysis Tool' dialog box open in the center. The dialog box has a title bar 'Clean Water Act Analysis Tool' and a close button. The dialog box has a list of options: 'Assessed waters' (selected), 'Designated uses', '303(d) listed impaired waters', 'Impaired waters w/ TMDLs for', and 'NPDES permitted dischargers for'. Each option has a dropdown menu. The dialog box has 'OK' and 'Close' buttons at the bottom right. A green arrow points from the text 'For Watershed Information on Pollution- Select “Is My Watershed Polluted?”’ to the 'Assessed waters' option in the dialog box.

For More Info

DWMAPS Website:

www.epa.gov/sourcewaterprotection/DWMAPS

For assistance: dwmaps@epa.gov

Kira Jacobs, U.S. EPA

Drinking Water Program-Source Protection

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(617) 918-1817



Skaneateles Lake—Water Source for
Syracuse, NY- March 2016