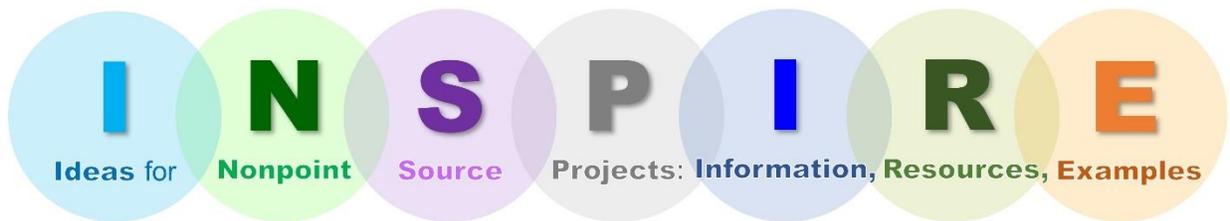


MassDEP INSPIRE Tool for Nonpoint Source Capacity Building



USER GUIDE

Massachusetts Department of Environmental Protection

Watershed Planning Program

NPS Management Section

February 29, 2024

CN 599.0



**MassDEP INSPIRE Tool
for Nonpoint Source Capacity Building User Guide**

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Division of Watershed Management, Bureau of Water Resources

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Notice of Availability

This document is available on the Massachusetts Department of Environmental Protection website: <https://www.mass.gov/info-details/inspire-tool-for-nonpoint-source-capacity-building>.

Massachusetts Department of Environmental Protection

MassDEP's mission is to protect and enhance the Commonwealth's natural resources – air, water, and land – to provide for the health, safety, and welfare of all people, and to ensure a clean and safe environment for future generations. In carrying out this mission MassDEP commits to address and advance environmental justice and equity for all people of the Commonwealth; provide meaningful, inclusive opportunities for people to participate in agency decisions that affect their lives; and ensure a diverse workforce that reflects the communities we serve.

Watershed Planning Program

The Watershed Planning Program is a statewide program in the Division of Watershed Management, Bureau of Water Resources, at MassDEP. We are stewards of the water resources of Massachusetts. Together with other state environmental agencies, we share in the duty and responsibility to protect, enhance, and restore the quality and value of the waters of the Commonwealth. We are guided by the federal Clean Water Act and work to secure the environmental, recreational, and public health benefits of clean water for the residents of Massachusetts. The Watershed Planning Program is organized into five Sections that each have a different technical focus under the Clean Water Act: (1) Surface Water Quality Standards; (2) Surface Water Quality Monitoring; (3) Data Management and Water Quality Assessment; (4) Total Maximum Daily Load; and (5) Nonpoint Source Pollution.

Disclaimer

References to trade names, commercial products, manufacturers, or distributors in this report constituted neither endorsement nor recommendation by MassDEP.

Contact Information

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About the INSPIRE (Ideas for Nonpoint Source Projects: Information, Resources, and Examples) Tool for NPS Capacity Building

The Massachusetts Department of Environmental Protection (MassDEP), through the Nonpoint Source (NPS) Management Section in the Watershed Planning Program (WPP), developed INSPIRE as an online GIS-based capacity building tool for NPS projects. It shares information about the Clean Water Act (CWA) Section 604(b) and Section 319 grants; showcases successful grants-funded projects throughout the Commonwealth as examples; and presents a collection of geospatial layers as resources to help communities develop new project ideas for competitive grant proposals.

INSPIRE is an interactive map viewer developed and published through the ESRI ArcGIS Online (AGOL) Experience Builder service that visualizes CWA §604(b) and §319 grant projects awarded by MassDEP. The intention of this project is to generate an informative tool that environmental professionals, planning agencies, municipalities, non-profit organizations, watershed associations, concerned residents, and others may use to view NPS grant projects in Massachusetts and formulate ideas for the development and implementation of NPS management projects in their communities.

Overview

The NPS Management Section in the Watershed Planning Program awards Clean Water Act (CWA) funding on an annual basis to mitigate NPS in the Commonwealth of Massachusetts through two grant programs, the section (§) 604(b) Watershed Management and Planning Grant program and the §319 NPS Competitive Grant Program.

The §604(b) Watershed Management and Planning Grant program awards funding to eligible entities (municipalities, regional planning agencies, councils of government, conservation districts, counties, interstate agencies, and tribes) to identify nonpoint source water quality issues, determine the most effective solutions, and provide preliminary designs for Best Management Practices to address the identified issues.

The §319 NPS Competitive Grant Program awards funding to eligible entities (any Massachusetts public or private organization) to fund capacity building and implementation projects that address NPS so that impaired waters will meet water quality standards and beneficial uses will be restored.

The INSPIRE Tool provides a geospatial representation of §604(b) and §319 grant projects awarded by MassDEP since the inception of the grant programs in the early 1990s that integrates information related to the NPS grant projects, including the geographic locations and associated project information.

Users can utilize this tool to identify relevant spatial data such as watersheds, rivers, lakes, wetlands, political and administrative boundaries, Massachusetts Environmental Justice (EJ) populations, and MassDEP Integrated List of Waters (303(d)/305(b) list) in proximity to the area of the user's interest. Users will also be able to add their own data to customize a visualization to their specific needs. This tool will directly benefit potential CWA §604(b) and §319 grant applicants by providing generous geospatial information to investigate and visualize ideas for the development of successful NPS grants.

Data Universe

The INSPIRE Tool provides a geospatial representation of all §604(b) and §319 NPS grant projects awarded by MassDEP to the present. A database of CWA grant projects and supporting information

exists internally at the Watershed Planning Program and is maintained by the NPS Management Section. This database is the record of all awarded §604(b) and §319 projects that are represented geospatially in the Tool. These representations are made with the best available data, but project final reports should be consulted for specific project details. Additional geospatial data from the [MassGIS](#) (Bureau of Geographic Information) portal has been linked to the Tool to enhance the user experience.

Development and Data Sources

The INSPIRE Tool was developed using a combination of publicly available data layers created and published by MassDEP¹. Data layers specific to the WPP's NPS Management Program grants were developed by NPS staff for internal and external use, are provided for informational purposes only, and will not be made available for public distribution. NPS grant project layers (§604(b) and §319) will be periodically updated to reflect the most current grant awards.

Targeted Audience

The INSPIRE Tool can be used to assist NPS practitioners research and plan projects to protect and restore healthy and impaired waters in the Commonwealth. INSPIRE was developed with multiple users in mind, including state and federal agencies, municipalities, regional planning agencies, consultants, non-profit and non-governmental organizations, watershed and conservation organizations, conservation commissions, and concerned citizens.

Maintenance

INSPIRE is an interactive capacity building tool developed by MassDEP via the ESRI ArcGIS Online (AGOL) Experience Builder platform and will be updated and maintained by the NPS Management Section. The Tool will be updated annually to incorporate annual CWA §604(b) and §319 grant awards, and/or updates to other data layers, such as the watershed-based plan layer and NPS program priority layers. For questions regarding NPS and associated content in the INSPIRE Tool, please contact Dr. Padmini Das, NPS Management Section Chief, at padmini.das@mass.gov or Judy Rondeau, NPS Outreach Coordinator, at judith.rondeau@mass.gov.

Navigating the INSPIRE Tool

INSPIRE is an interactive mapping tool that allows the user to view information about CWA §604(b) and §319 grant projects awarded by MassDEP throughout Massachusetts. Grant projects are presented in a series of tabs that visualize various grant categories (Planning, Watershed-Based Plans, Action, All Nonpoint Source Pollution Grants, Statewide Projects, and a grant award Timeline). Users can browse each tab to view the types and geographical distribution of NPS projects that have been funded by MassDEP as well as associated project information. Supplemental GIS data that users might find useful in the evaluation and planning of new project ideas has been provided. Users are also able to add GIS data specific to their interests or needs (note that user-added GIS data will not be saved to the application). To facilitate the user experience, a variety of navigation tools have been provided which allow the user to explore the Tool to obtain information about grants and related geospatial data.

¹ Publicly available data layers developed by MassDEP can be accessed at and retrieved from [MassGIS](https://www.mass.gov/orgs/massgis-bureau-of-geographic-information) (<https://www.mass.gov/orgs/massgis-bureau-of-geographic-information>).

To open INSPIRE, click [here](#) or navigate to:

<https://experience.arcgis.com/experience/89191a466c184a3592917636b81334bb/>

A splash screen with information about the INSPIRE Capacity Building Tool will open when the application is launched (Figure 1). After accepting the terms and conditions on the splash screen (check box), the user will see the map interface. From there, the user can explore the features of the map.

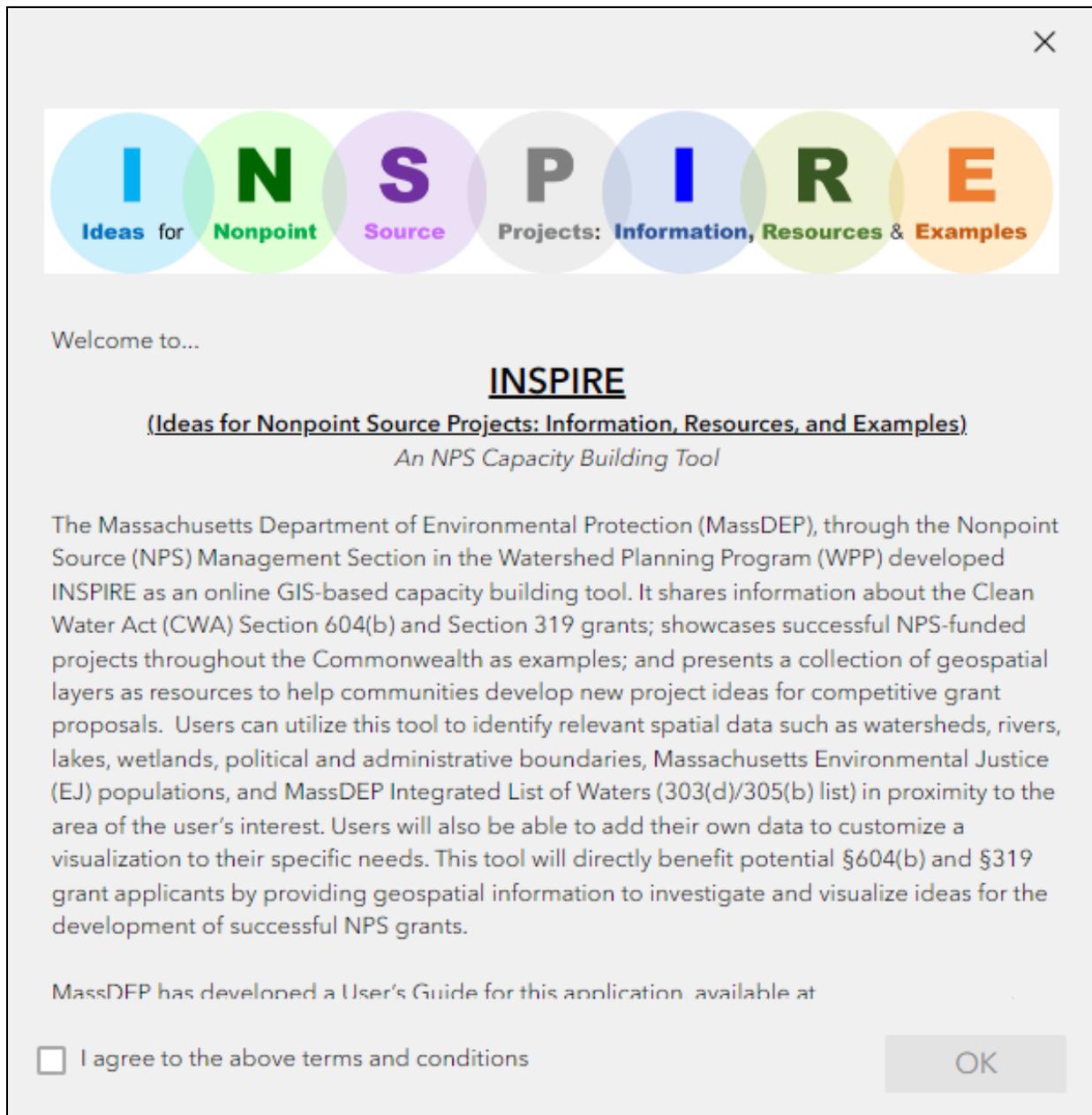


Figure 1. INSPIRE splash screen.

Map Features

Map View Pane

The map view pane (Figure 2) is divided into four sections. On the left is a collapsible side panel with information about the INSPIRE Capacity Building Tool. Along the top, a yellow panel displays tabs for each grant project category. The main map view area displays layers associated with each grant project category. The displayed layers will change depending on which grant project tab is selected. Additional layers, described below, can be added to enhance the user's experience. At the bottom, attribute tables for the layers associated with the selected grant project categories are displayed. Each section is described in more detail below.

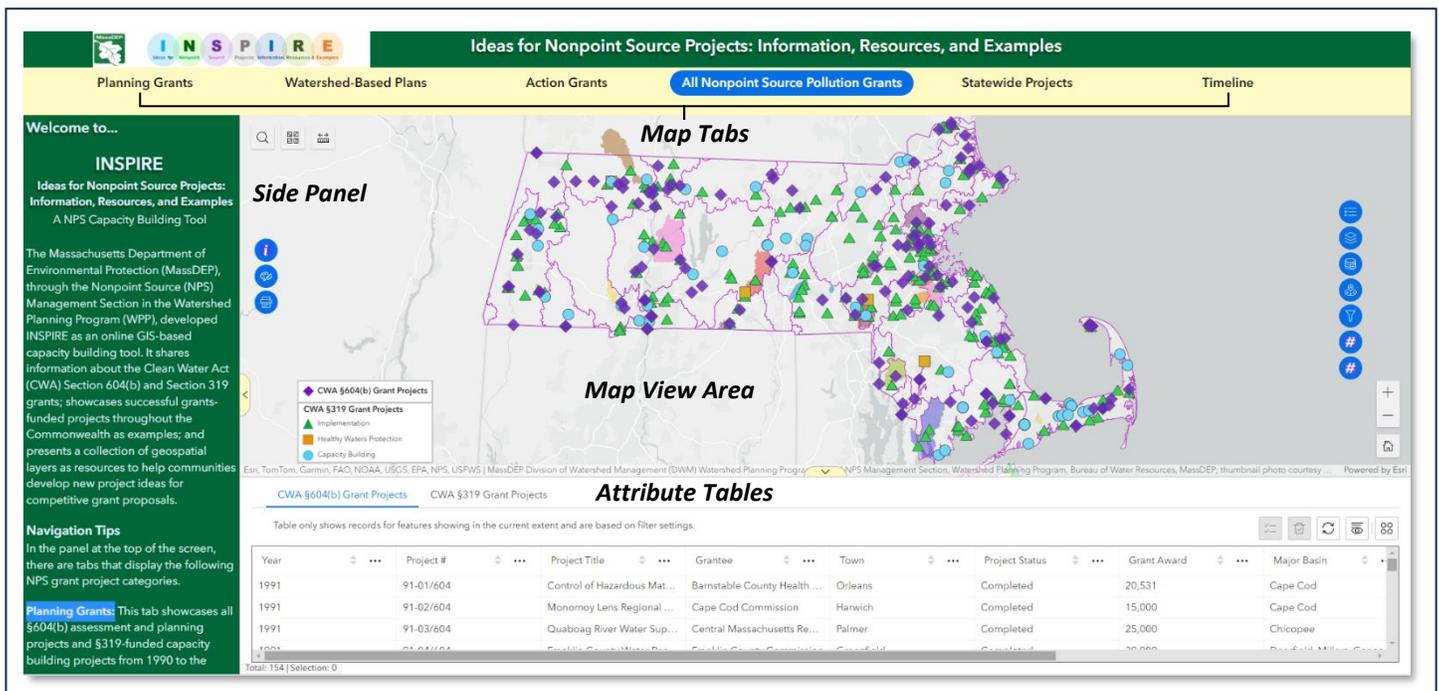


Figure 2. Layout of the INSPIRE map viewer.

Side Panel

The side panel (Figure 2) provides an overview of the INSPIRE Capacity Building Tool. Within the panel are tips for navigating INSPIRE, descriptions of the six grant project category tabs, and available tools and widgets. The side panel lists layers that are available in all tabs to enhance the user's experience and provides links to useful resources.

Grant Project Category Tabs



Figure 3. Six map tabs at the top of the map field display various grant categories.

In the yellow panel at the top of the screen (Figure 3), tabs display the following NPS grant project categories:

Planning Grants: This tab showcases all §604(b) assessment and planning projects and §319 capacity building projects from 1990 to the present.

Watershed-Based Plans (WBPs): This tab showcases MassDEP-accepted nine-element WBPs, which are required for Action (§319 implementation) Grants.

Action Grants: This tab showcases §319 implementation projects (restoration of impaired waters and healthy waters protection) from 1990 to the present.

All NPS Grants: This tab showcases all §604(b) and §319 projects (excluding the statewide projects) from 1990 to the present.

Statewide Projects: This tab showcases statewide projects completed in Massachusetts from 1990 to the present. Because the projects are statewide, grantee addresses are used as the project locations in the map. Please note that some grantees have multiple projects which share the same data point. The number of projects at a given location is displayed in the lower right corner of the pop-up. The user will need to scroll through using the arrow keys at the bottom left of the pop-up to view details of each project.

Timeline: This tab showcases all the §604(b) and §319 projects in a progressive time sequence of two-year increments from 1990 to present.

In the map tabs, some layers are automatically turned on while others are turned off. There are some layers that have limited visibility based on their scale (Figure 4). For example, the “MassDEP Wetlands” layer is only visible when you are zoomed in (around 5,000 ft). In the map layers widget (located on the right side of the map field), the text will turn from gray to black and the data will appear when zoomed into the right scale (Figure 5).

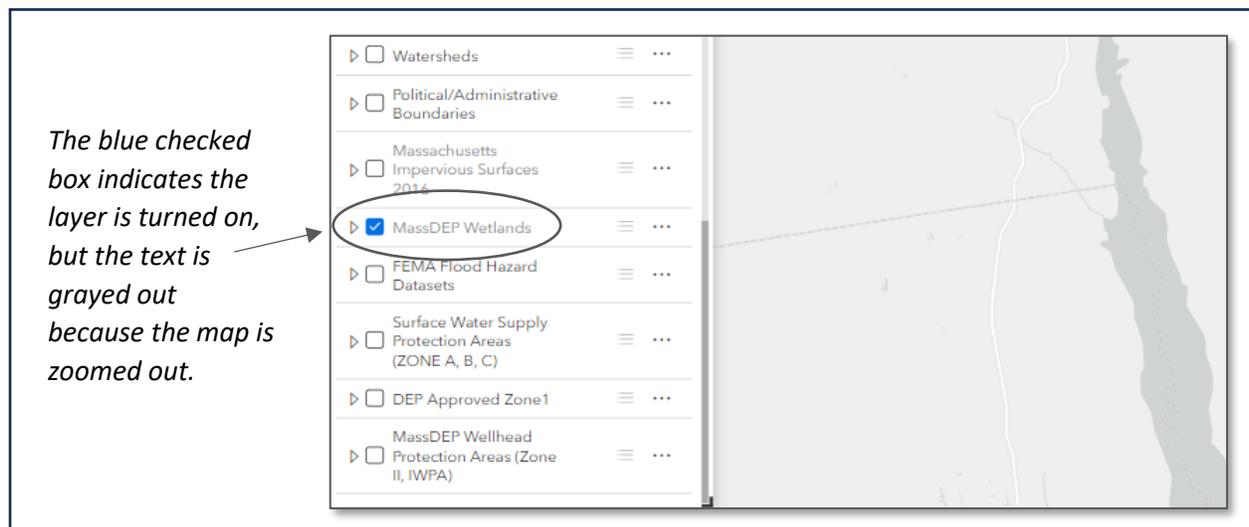


Figure 4. Some layers are automatically turned on in all the map tabs. Additional layers can be turned on using the Layers widget on the right side of the map field.

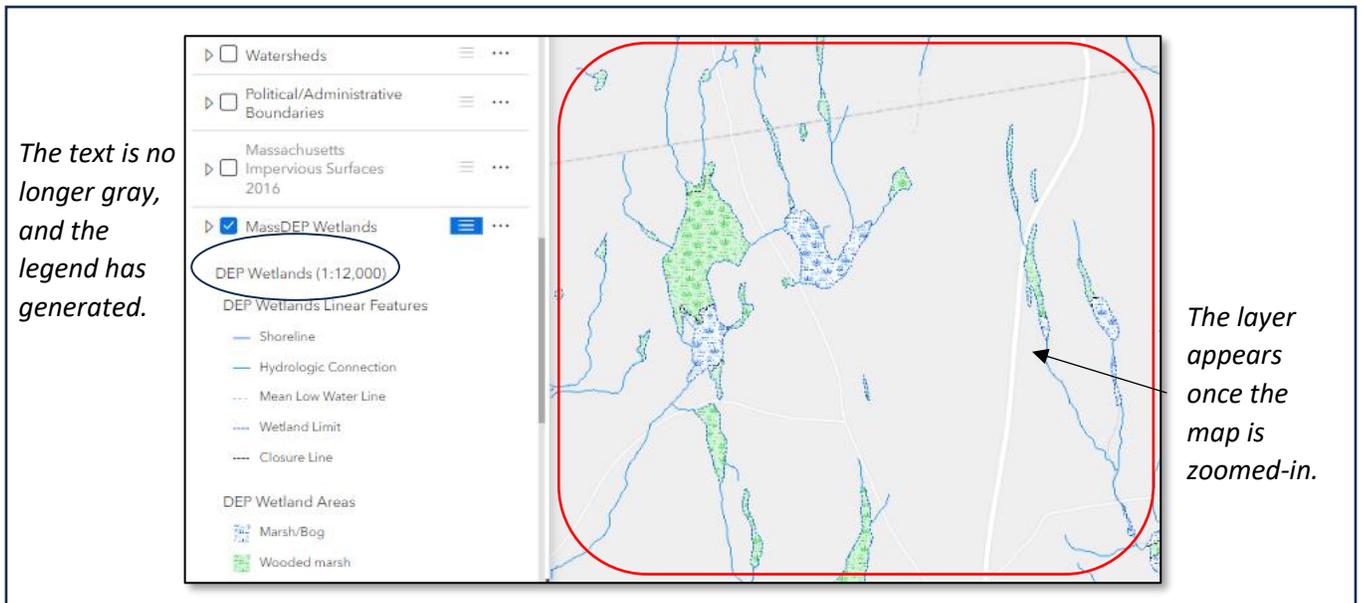


Figure 5. Once zoomed in, the layer will appear on the map field and the layer legend will generate in the layer menu.

Map View Area

INSPIRE Ideas for Nonpoint Source Projects: Information, Resources, and Examples

Planning Grants Watershed-Based Plans Action Grants **All Nonpoint Source Pollution Grants** Statewide Projects Timeline

Welcome to... INSPIRE Ideas for Nonpoint Source Projects: Information, Resources, and Examples A NPS Capacity Building Tool

The Massachusetts Department of Environmental Protection (MassDEP), through the Nonpoint Source (NPS) Management Section in the Watershed Planning Program (WPP), developed INSPIRE as an online GIS-based capacity building tool. It shares information about the Clean Water Act (CWA) Section 604(b) and Section 319 grants; showcases successful grants-funded projects throughout the Commonwealth as examples; and presents a collection of geospatial layers as resources to help communities develop new project ideas for competitive grant proposals.

Navigation Tips In the panel at the top of the screen, there are tabs that display the following NPS grant project categories.

Planning Grants: This tab showcases all §604(b) assessment and planning projects and §319-funded capacity building projects from 1990 to the

Map Legend Map Layers Add Data Near Me Filter Find a §604(b) Project Find a §319 Project Zoom Controls Home

Static Legend

- ◆ CWA §604(b) Grant Projects
- ▲ CWA §319 Grant Projects
- Implementation
- Healthy Waters Protection
- Capacity Building

Attribute Table

Table only shows records for features showing in the current extent and are based on filter settings.

Year	Project #	Project Title	Grantee	Town	Project Status	Grant Award	Major Basin
1991	91-01/604	Control of Hazardous Mat...	Barnstable County Health ...	Orleans	Completed	20,531	Cape Cod
1991	91-02/604	Monomoy Lens Regional ...	Cape Cod Commission	Harwich	Completed	15,000	Cape Cod
1991	91-03/604	Quaboag River Water Sup...	Central Massachusetts Re...	Palmer	Completed	25,000	Chicopee

Total: 154 | Selection: 0

Figure 6. Features of the main map view area.

The map view area (Figure 6) displays the grant project layers associated with the selected grant project category tab in the yellow pane at the top of the map. A variety of tools (widgets) are available for the user in each grant project category view. These include tools that allow the user to measure, draw, change basemaps, and print. Within each grant project category tab, the user can access 22 pre-loaded

layers and temporarily upload additional layers from external sources. The user can filter the grant project layers using provided filter criteria and identify all layer features (from the preloaded layers) that are located within a user-specified proximity. The tools and widgets are described in greater detail in the sections below.

Widgets

The following widgets have been provided in all tabs to maximize the INSPIRE user experience (Figure 6).

Horizontally in white boxes (top left of the main map area):

Search: Allows users to find features, records, or locations based on specific layouts and locaters.

Basemap: Display a gallery of 45 base map options provided by ArcGIS Online.

Measure: Include measurement tools for measuring area and distance.

Vertically in blue icons (on the left-hand side of the main map area):

Information: This text widget provides information about each map, and how the layers are important to the §604(b) and §319 grant programs.

Draw: Create simple graphics for points, lines, and polygons on 2D web maps and 3D web map scenes. The widget supports adding measurements to drawn graphics to coordinate position, length, perimeter, and area.

Print: Print web maps. The widget includes options for previewing extents, selecting layouts, and more.

Vertically in blue icons (in the right-hand side of the main map area):

Legend: Display labels and symbols for layers in a map.

Map Layers: Display a list of labels and symbols for 22 available layers in a map.

Add Data: Temporarily add data sources to the app. Added data can be managed, filtered and viewed in tables. Data cannot be saved.

Near me: Find and summarize data about features within a certain distance of a defined location.

Filter: Limit the visibility of features in a layer to only those that meet the expression criteria. Projects can be filtered based on expression criteria like award year, regions, towns, watershed, EJ census block groups. To see the filtered results, the desired layer must be turned on and the other layers should be turned off.

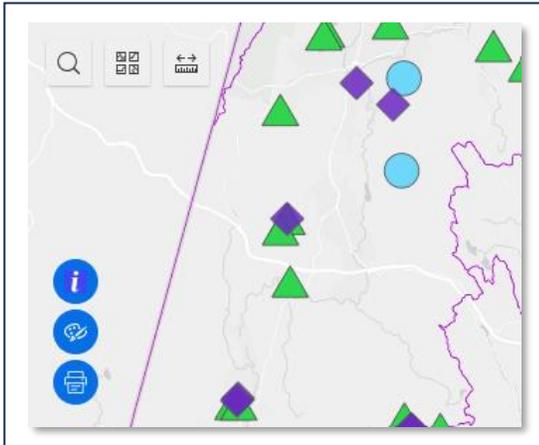
Find a §604(b) Project: Zooms to §604(b) project of user's choice.

Find a §319 Project: Zooms to §319 project of user's choice.

Timeline (in Timeline tab only): View temporal data from web maps, feature layers, and map service layers to see how data changes over time.

604(b) & 319 Grant Information (in Timeline tab only): Includes the §604(b) and grant project location pop-ups of those selected in the timeline's years.

Top Left and Left Side Map Tools



To find a specific address or feature you can use the **Address Search** bar on the top left of your screen.



The **Basemap** button displays a gallery of 45 different basemaps available.



The **Measure** tool allows users to measure the distance between objects and polygons and can give the area and distance measurements on the map.

Figure 7. Tools located on the top left of the map field.



The **Information** widget includes a description of the map the user is viewing. It describes what feature layers are being displayed and provides more context as to how the layers are involved with the §604(b) and §319 grants.



The **Draw** tool allows users to make annotations on the maps. These annotations are not saved to the map if you close the map window but will appear on any PDF you make using the **Export to PDF** tool. With the available tools you can draw points, arrows, polygons, text, et cetera, on areas of interest within a certain map extent by selecting a draw mode. Undo and clear options are available at the top of the window. To move the pop-up window, left click on the top blue ribbon (e.g., “Planning Grants Draw”) and drag and drop to where you want to move it on the map.



The **Print** widget allows users to print web maps. The widget includes options for changing the title, selecting templates and the file formats (jpeg, pdf, png32). Within the Print widget, there are “Advanced” features that allow users to change the printing extents and print quality, include the legend, attributes, north arrow, and scale bar miles, kilometers, meters, and feet). To move the pop-up window, left click on the top blue ribbon and drag and drop to where you want to move it on the map.

Right Side Map Tools



The **Map Legend** will display a graphic of features on the map if they are active. To move the pop-up window, left click on the top blue ribbon and drag and drop to where you want to move it on the map.



The **Map Layer List** activates features on the map to make them visible or not. Check and uncheck the blue box to the left of a feature name to turn the layer on or off. Features with grayed out names indicate they are not shown at the current map scale—zoom in to view them. As you zoom in, you’ll see additional layers appear on the map. To move the pop-up window, left click on the top blue ribbon and drag and drop to where you want to move it on the map.



The **Add Data** widget allows users to temporarily add data sources to the app at run time. You can add data via ArcGIS content, URL, or local storage. The user can manage, and filter added data and view data in maps and tables, however added data cannot be saved. To move the pop-up window, left click on the top blue ribbon and drag and drop to where you want to move it on the map.



The **“Near Me”** widget allows users to find and analyze features within a specified distance of a defined location. The location can be a selected feature or a drawn graphic. The user can also find features based on the current map extent. To move the pop-up window, left click on the top blue ribbon and drag and drop to where you want to move it on the map. Click the trashcan icon to clear the selection or it will remain on the map.



The **Filter** widget limits the visibility of features in a layer to only those that meet the expression criteria. There are multiple filters for various layers included in each map tab. Toggle the button on to apply the filter. To move the pop-up window, left click on the top blue ribbon and drag and drop to where you want to move it on the map. Once you are done using the filter make sure to toggle it off before closing the pop-up window.



Find a \$604(b) Project: Zooms to a \$604(b) project of user’s choice and displays project information.



Find a \$319 Project: Zooms to a \$319 project of user’s choice and displays project information.



Timeline (in Timeline tab only): View temporal data from web maps, feature layers, and map service layers to see how data changes over time.



604(b) & 319 Grant Information (in Timeline tab only): Includes the \$604(b) and \$319 grant project location pop-ups of those selected in the timeline's years.

Adding Data



The **Add Data** widget allows users to temporarily add data sources to the app at run time. You can add data via ArcGIS content, URL, or local storage. Added data cannot be saved.

To add data, open the widget and click on the **+ Click to add data** button (Figure 8). The user has three options to add external data: Search, URL, and File.

Search connects to data available through ArcGIS Online and Living Atlas. **URL** allows the user to connect to online data. The widget offers a list of web services or the user can enter their own URL. **File** allows the user to enter data from their own system or network. Supported formats include shapefile, CSV, KML, GeoJSON.

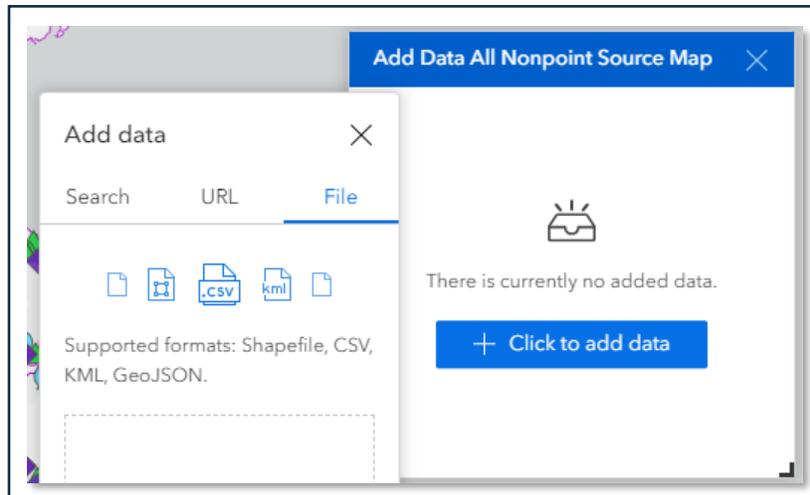


Figure 8. Add Data widget.

Using the Near Me Tool

The “Near Me” tool (Figure 9) allows users to find and analyze features within a specified distance of a defined location. The location can be a selected feature or drawn graphic. The tool will find all features that are closest to a defined location. The user can drop a pin, create a line or a polygon that will be buffered a distance defined by the user. Note that the marker will remain on the map until the user deletes it using the trash icon when they are done. Once the user creates the location, they will be able to change the distance, and the units of the distance. Once the user creates the desired buffer, all of the data within that buffer area will appear in a drop down. The user can then select relevant information which will create a highlighted border on the map as well as show the attributes for that data in a pop-up window. To move the pop-up window, left click on the top blue ribbon (e.g., “All Nonpoint Source Pollution Grants Near Me”) and drag and drop to where you want to place it on the map.

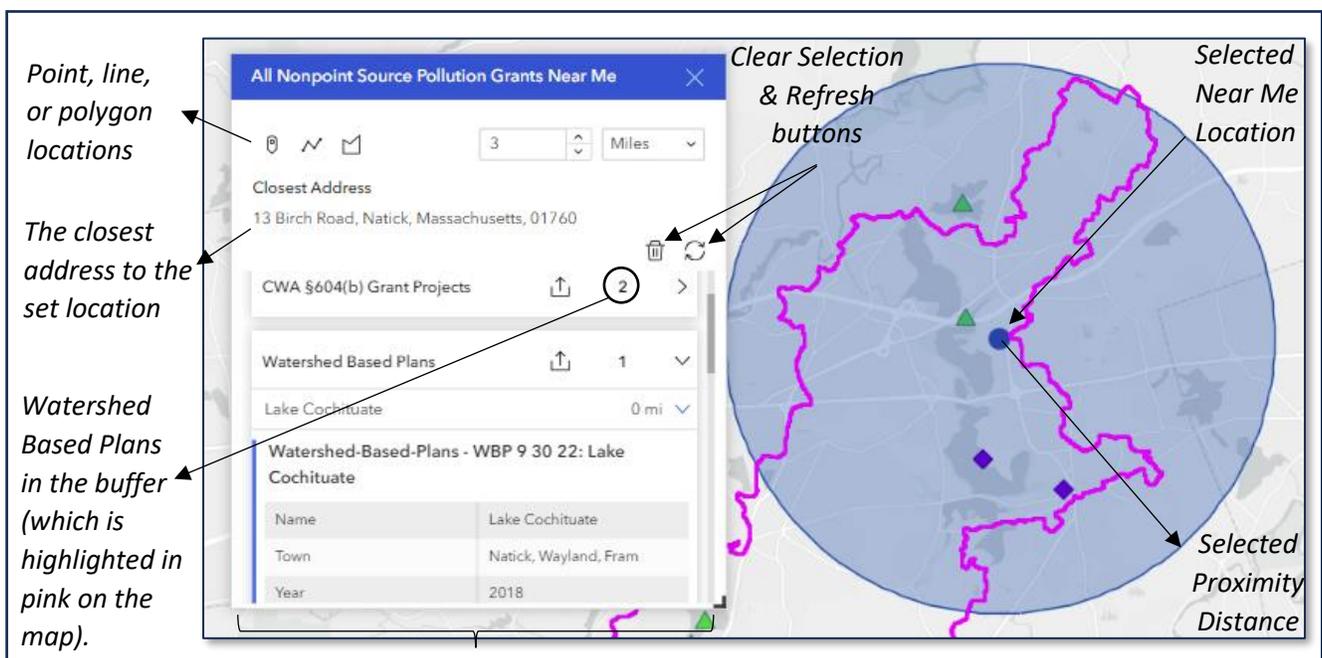


Figure 9. Near Me Tool interface.

Using the Filter Tool



The Filter tool contains preset filter options to view a select set of §319 and §604(b) Grant Projects, including major basin and county (Figure 9).

§319 Grant Projects can be filtered by:

- award year
- project type
- town
- grantee
- grant award
- award time range
- structural BMP
- project subtype

§604(b) Grant Projects can be filtered by:

- award year
- project type
- town
- grantee
- grant award
- award time range

Select the attribute(s) you want to filter for the different layers. Once you have selected your desired filters, toggle the switch to “on”, so the blue is showing, and your filtered results will appear both on the map and in the attribute table. To move the pop-up window, left click on the top blue ribbon and drag and drop to where you want to move it on the map. Toggle the switch to the “off” position before you close the Select tool.

Please note that to see filtered results, the layer you are trying to filter **must be turned on** in the map layers. Additionally, if the correct layers are turned on, and the filtered attributes are on and selected, but nothing is populated, then there might not be any results for those filtered choices (e.g., there are no projects for the selected criteria). Make sure to turn off all filters prior to closing the filter widget, as the filters will remain on even when the widget is closed, which will affect the map and other filter results.

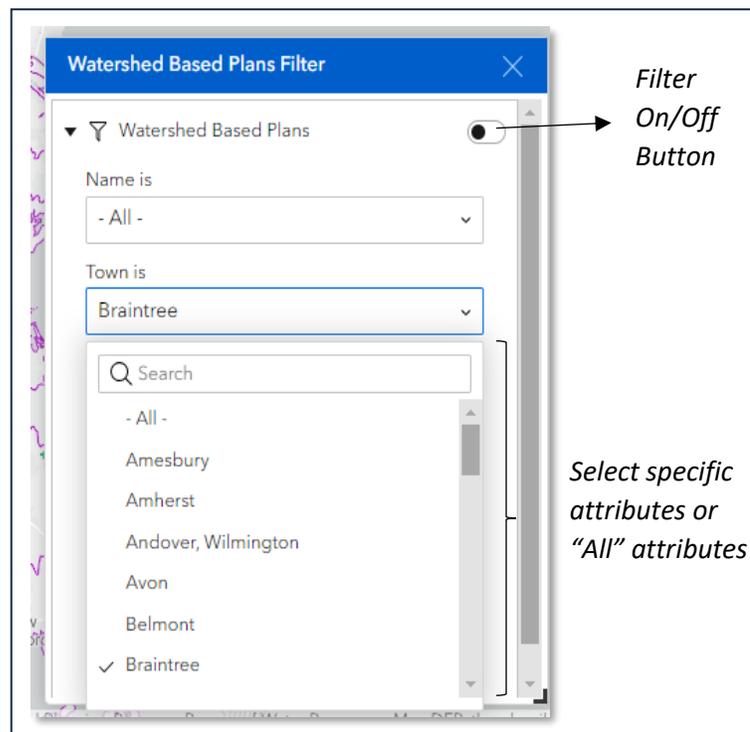


Figure 10. The Filter tool interface and options.

Using the Timeline Tool



The Timeline widget (Figure 11) displays both the §604(b) and §319 projects from 1990 to the present. Users can adjust the speed of the timeline as well as fast forward, pause or rewind the timeline. The timeline displays projects in two-year increments. If the timeline is paused the user can turn on the §319 and §604(b) information widgets to see the pop-ups for the selected projects during those years. To move the pop-up window, left click on the top blue ribbon (e.g., “319 and 604(b) Grants Timeline”) and drag and drop to where you want to move it on the map. The timeline will not appear on printed versions of the maps. Users can instead take screenshots of the timeline for their own use. **Please note** that the Timeline will display all projects in the current view extent. In other words, if the map is zoomed in to a specific area, the Timeline will only display projects that are located in that extent. To see all projects, the user must zoom out to the full map extent.

Timeline Tools:

- **Zoom in** and **Zoom out** - Zoom in or zoom out on the slider.
- **Previous** and **Next** - Move the slider one step forward or backward.
- **Play** and **Pause** - Play or pause the time animation.
- **Speed** - Choose a play speed from five levels: Slowest, Slow, Medium, Fast, or Fastest.
- **Time Range** - Click on either end of the time range to change the size of the time increments.

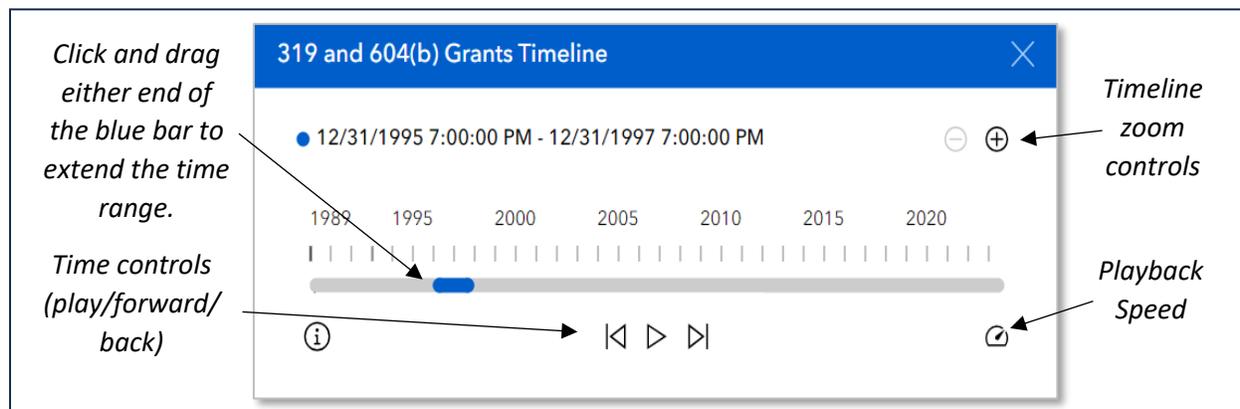


Figure 11. The timeline widget.



The §604(b) Grant Information widget (Figure 12) displays the projects that were conducted during the selected timeline interval. On the top of the popup, there are arrows which allow the user to toggle between the projects conducted in those years. To move the pop-up window, left click on the top blue ribbon and drag and drop to where you want to move it on the map. Note that that the information tools in the timeline only show popups up for projects in the years picked in the timeline tool **and** the current extent.



The §319 Grant Information widget displays the projects that were conducted during the selected timeline interval. On the top of the popup, there are arrows which allow the user to toggle between the projects conducted in those years. To move the pop-up window, left click on the top blue ribbon drag and drop to where you want to move it on the map. Note that that the information tools in the timeline only show popups up for projects in the years picked in the timeline tool **and** the current extent. Click on the Actions icon to open actions available in the widget (Figure 13).

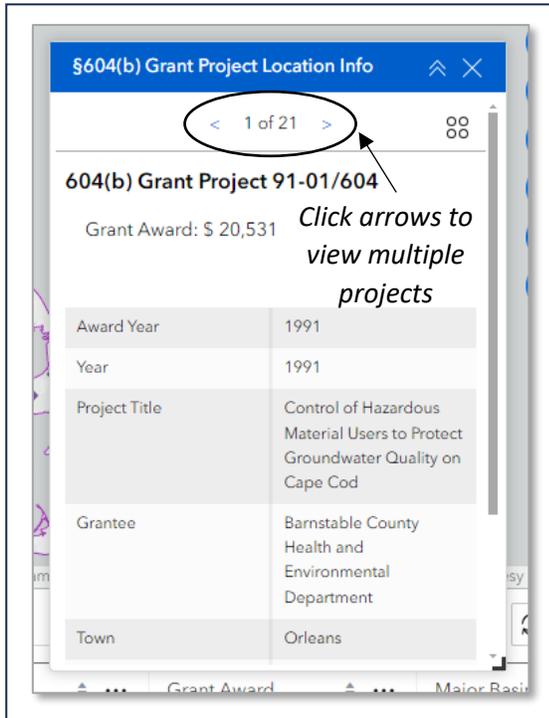
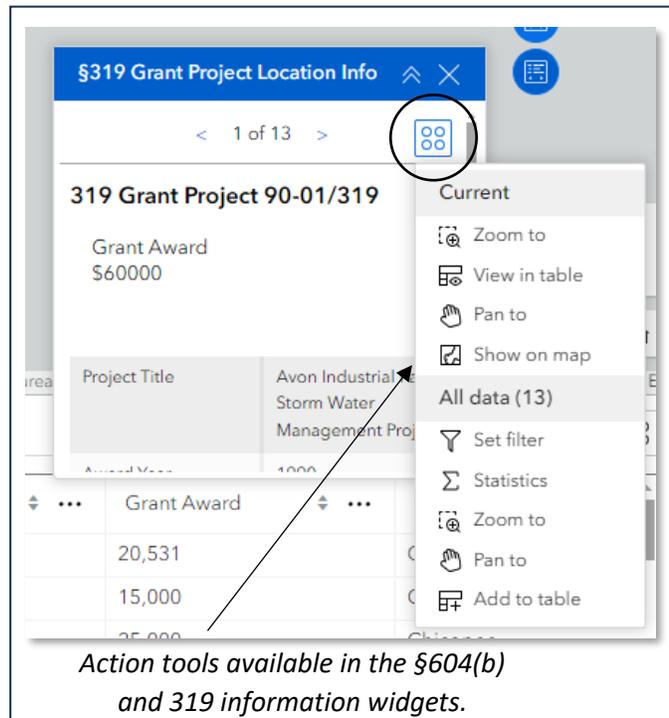


Figure 12a. The CWA §604(b) Grant Project Information widget popup.



Action tools available in the §604(b) and 319 information widgets.

Figure 13. Tools available in the CWA §604(b) and 319 Grant Project Information widget popups.

Displaying Project Information

Pop-up windows will appear when you click on a feature in the map, such as a grant project location point. These pop-ups display relevant information for each layer in the map (Figures 14 and 15). Most layers in the map have their pop-up windows disabled by default. However, you can activate or deactivate pop-ups for any layer in the app using the options in the layer list. Click and drag the scroll bar on the right side of the popup to view all the fields.

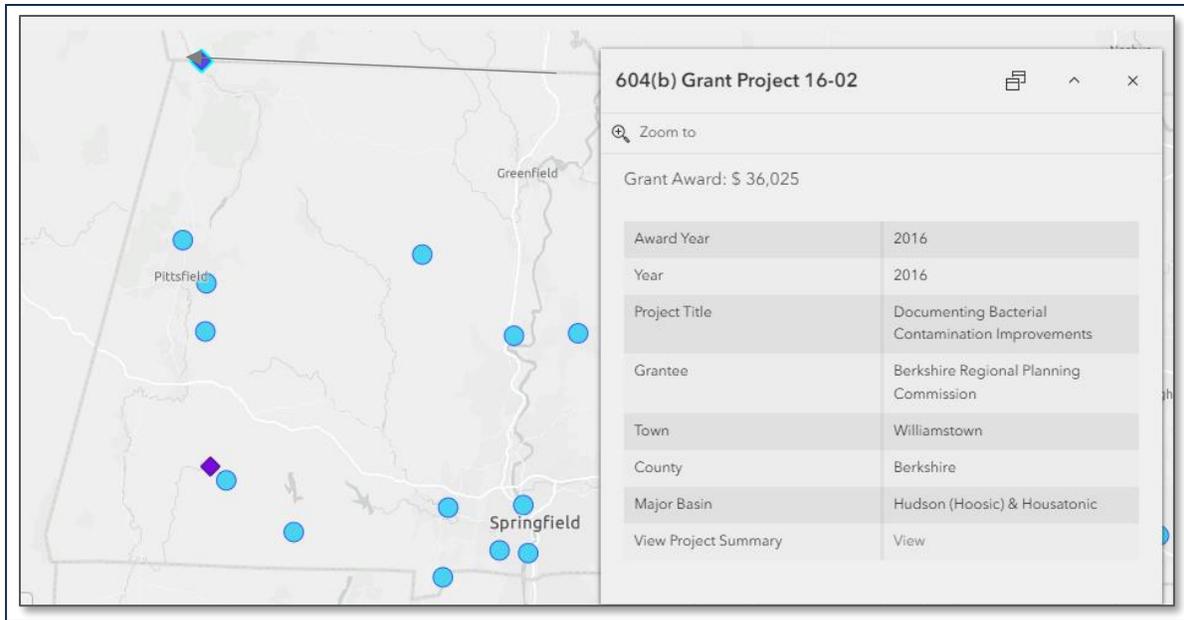


Figure 14. Grant project pop-up window and its features. The selected project is outlined in cyan.

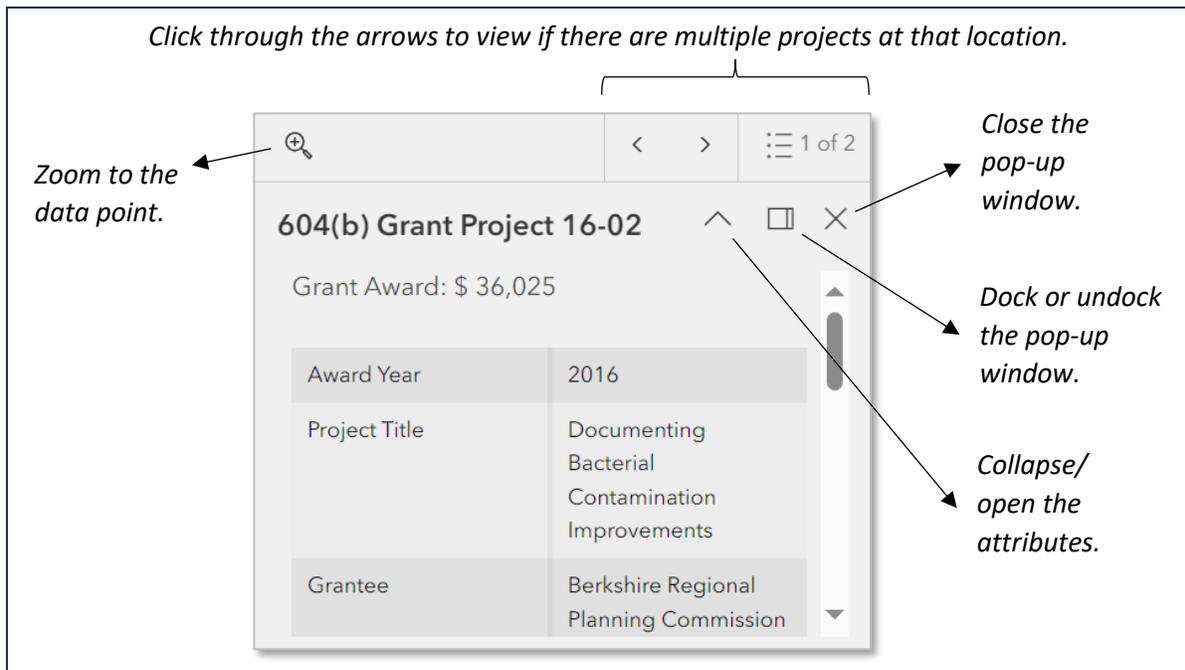


Figure 15. Project description pop-up window and its features

Attribute Table

To open the attribute table, click the tab in the bottom center of the map screen as seen in Figure 16. To expand the attribute table, hover over the line separating the attribute table from the map field and left-click to drag it. **Please note** that the attribute table will display features in the current map extent,

not every feature in the layer. In order to display all features in the layer, the user must zoom out to the full map extent.

Tabs on the left side of the attribute table display the layers in the grant project category for which attributes can be viewed (Figure 17). For example, in the Planning Grants project category, attribute tables for CWA §604(b) grant projects and CWA §319 grant projects can be viewed. In the attribute table, fields (columns) may be sorted in ascending or descending order by clicking on the up/down arrows in the column header. On the top right of the attribute table, multiple buttons allow users to show the selection, clear the selection, refresh the table and show or hide columns. In the Action button, “filter,” “zoom to,” and “pan to” tools are available. Note that the attribute table will change based on some of the widgets that are turned on. For example, when using the Filter tool, the attribute table will change based on the filtered results.

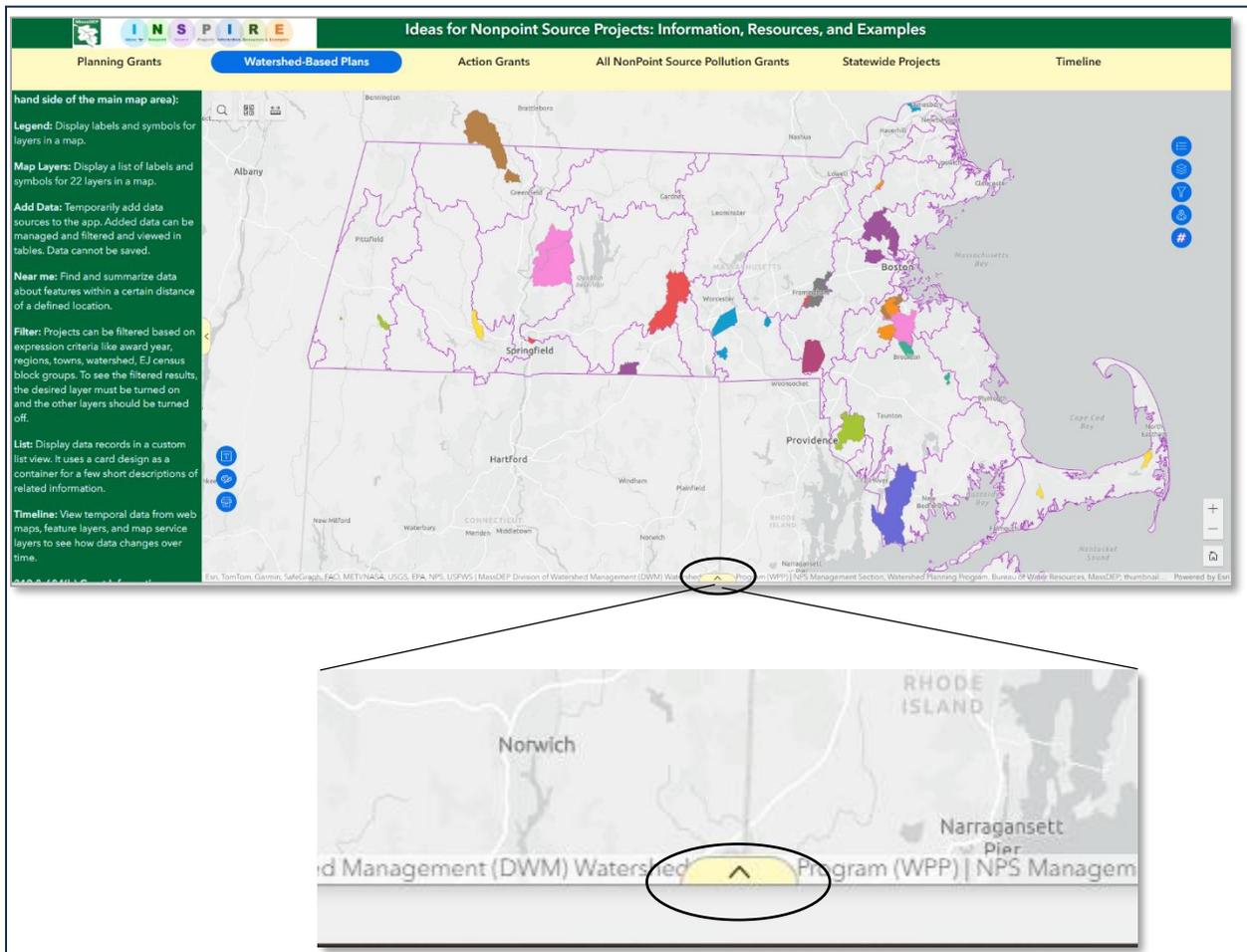


Figure 16. Opening the attribute table from the map interface. Click on the arrow to open or close the attribute table.

Project layers available in the Planning Grants project category tab.

The screenshot displays the 'CWA §604(b) Grant Projects' tab. The main table lists project details including Year, Project #, Grant Program, Project Title, Grantee, Town, Project Status, and Grant Award. Below the table, three tool panels are shown:

- Sort Panel:** A dropdown menu for the 'Year' column with options for 'Sort ascending' and 'Sort descending'.
- Columns Panel:** A list of columns with checkboxes to show or hide them, including Grant Program, Federal Fiscal Year, Year, Project Number, Project Title, Grantee, and Town.
- Action Panel:** A dropdown menu for the action button with options: 'All data (197)', 'Set filter', 'Zoom to', and 'Pan to'.

Sort data in ascending or descending order.

Drop down of show/hide columns tool.

Drop down of the action button.

Figure 17. Attribute table and available tools.

Help us improve MassDEP NPS Viewer

If you discover errors, have questions regarding NPS and associated content in the NPS Grant Viewer, or have suggestions to enhance the mapping experience, please use this [INSPIRE Feedback Form](#) to share your comments or email us at padmini.das@mass.gov, judith.rondeau@mass.gov, or dep.wpp@mass.gov.

Legal Disclaimer

The INSPIRE Map Viewer includes a variety of Massachusetts Department of Environmental Protection (MassDEP) generated data layers which may be viewed by the general public for informational purposes. MassDEP §319 Projects and §604(b) Projects data layers, in particular, may be used to identify federal Clean Water Act (the CWA) §319 and §604(b) grant projects, respectively, that have been awarded by MassDEP. The INSPIRE Map Viewer also includes additional data layers, such as the Watershed-Based Plans data layer. The grant projects data layer, supplemented by additional data layers, was developed to aid in the visualization of the approximate geographic distribution of awarded non-point source (NPS) grants and the priorities of the NPS Management Section (which is within the Watershed Planning Program). These data layers show project locations, hydrographic data, watersheds, and political boundaries based on grant project reports, water quality monitoring data, USGS HUC12 watershed delineations, and publicly available GIS data submitted to MassDEP. These data layers were created for planning purposes and represent only the approximate, relative location of property boundaries and/or regulated areas. MassDEP, at its discretion, may periodically update the CWA §319 and §604(b) Projects layers and Watershed-Based Plan data layers to reflect additions or changes in NPS Management Section priorities and to correct any errors which may be identified.

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