

FieldScope Map Inquiry

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Interstate Commission on the Potomac River Basin

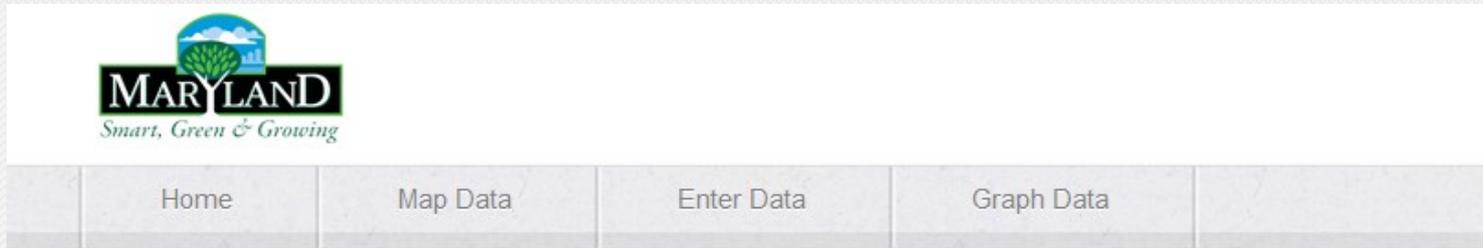


*How FieldScope Maps
Can Support Your Watershed
Inquiries*



Maryland FieldScope

FieldScope is an online mapping program where students can analyze, interpret, and share environmental data about their school's watershed or an adopted stream.



Welcome to Maryland FieldScope

Welcome to Explore and Restore Maryland Streams: Where Maryland students can share their stream studies and action projects to help restore stream health.

What would you like to do?



- Outline of this PowerPoint:

- **Introduction**

- Find out what you will be analyzing and learning from FieldScope.

- **FieldScope Map Inquiry Instructions:**

- *Part One: FieldScope Basics*

- Learn how to use FieldScope and become familiar with tools you will need for this activity.

- *Part Two: Explore Your Watershed*

- Analyze and explore different data layers in your watershed.



- You can use FieldScope to analyze and explore the following features:
 - Watersheds
 - Rivers and streams
 - Land cover
 - Impervious surfaces
 - Stream health
 - And more...
- You will create a map that consists of:
 - A base map with roads and some geographic features
 - **Data layers that go over the base map and show specific aspects of those areas, such as land use, impervious surfaces, and stream health.**
- You can save your map for later use.

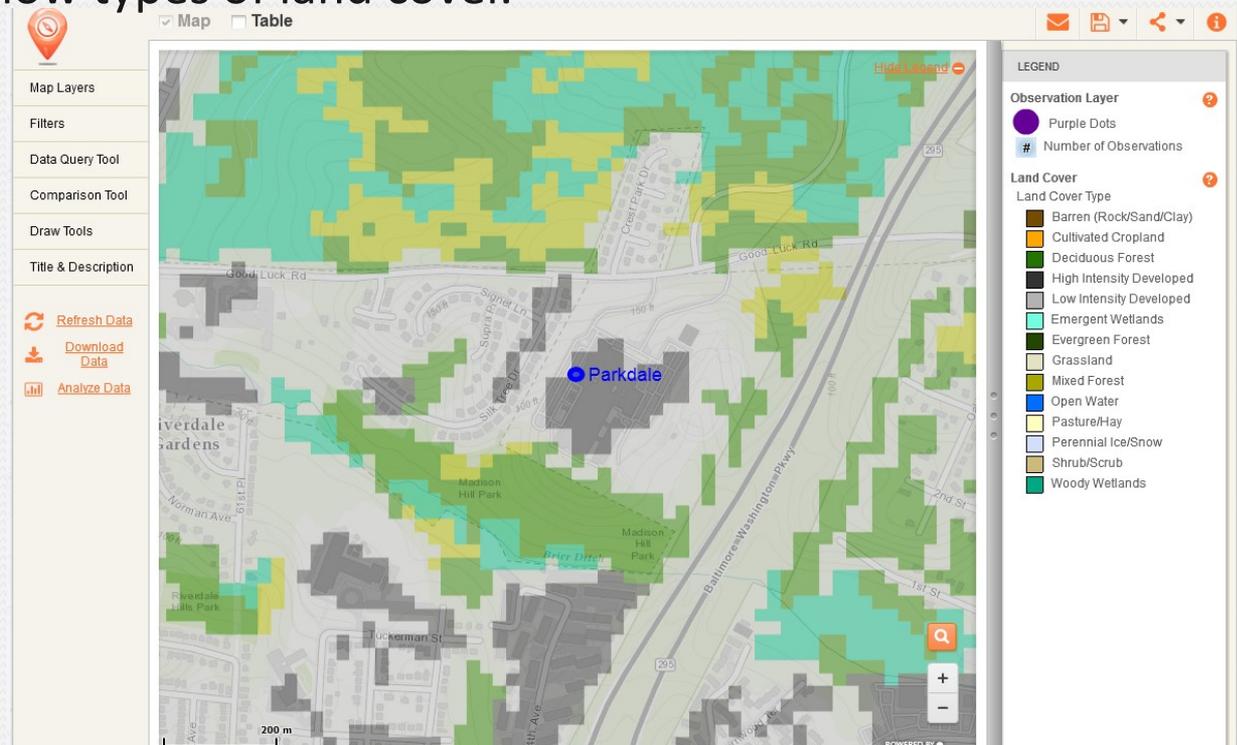


Example of a Data Layer

This data layer shows the land cover around Parkdale High School, Riverdale, Maryland.

- The base map shows houses and streets.
- The blocks of color show types of land cover.

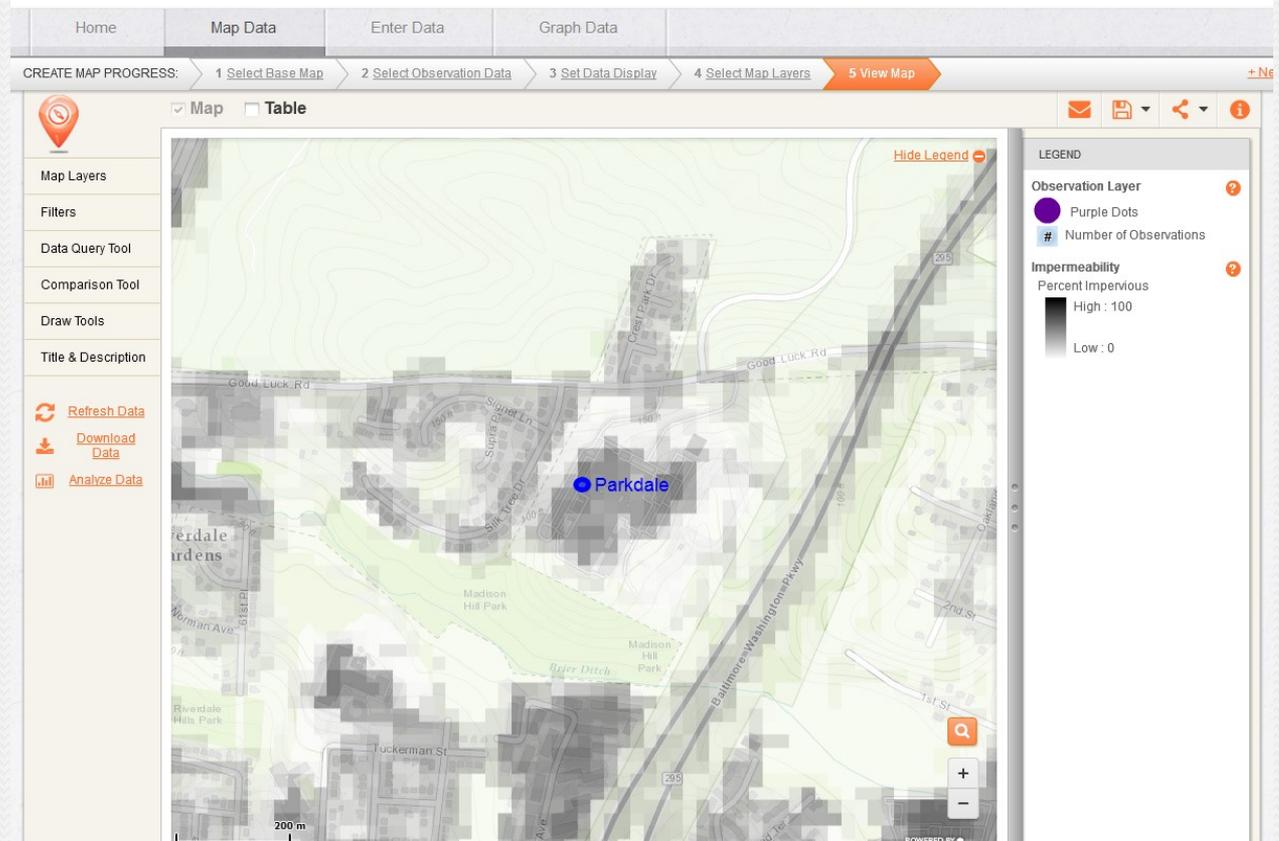
1. Using the legend, name two types of land cover in this area.
2. What land cover is not on this map?



Example of an Impermeability Data Layer

This data layer shows the percentage of impermeable surfaces over the base map.

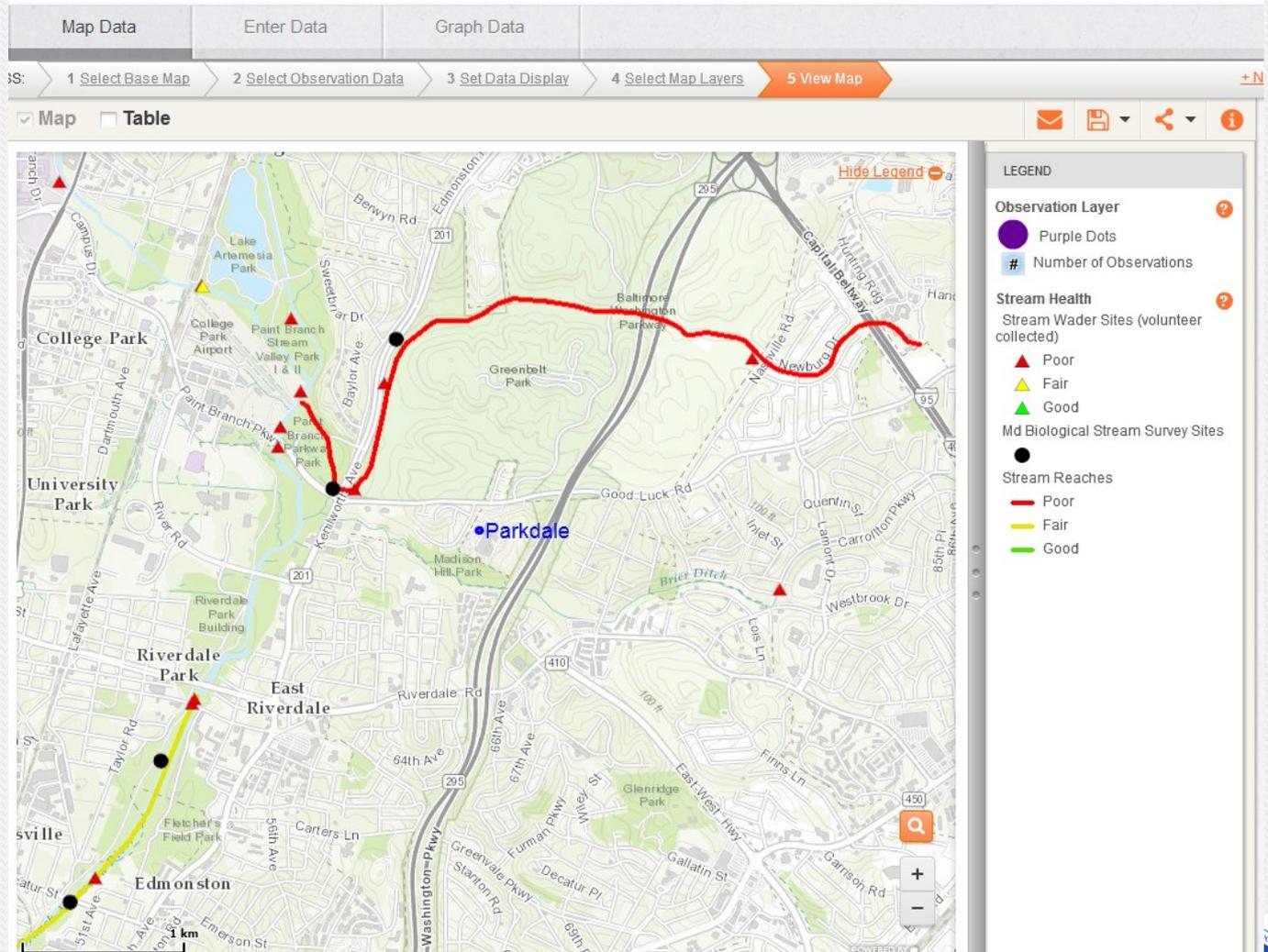
Why might some areas show a higher percentage of imperviousness than other areas?



Example of a Stream Health Data Layer

This layer provides graphic data from stream surveys conducted by the Maryland Department of Natural Resources.

- *What does it tell you about the stream near Parkdale?*



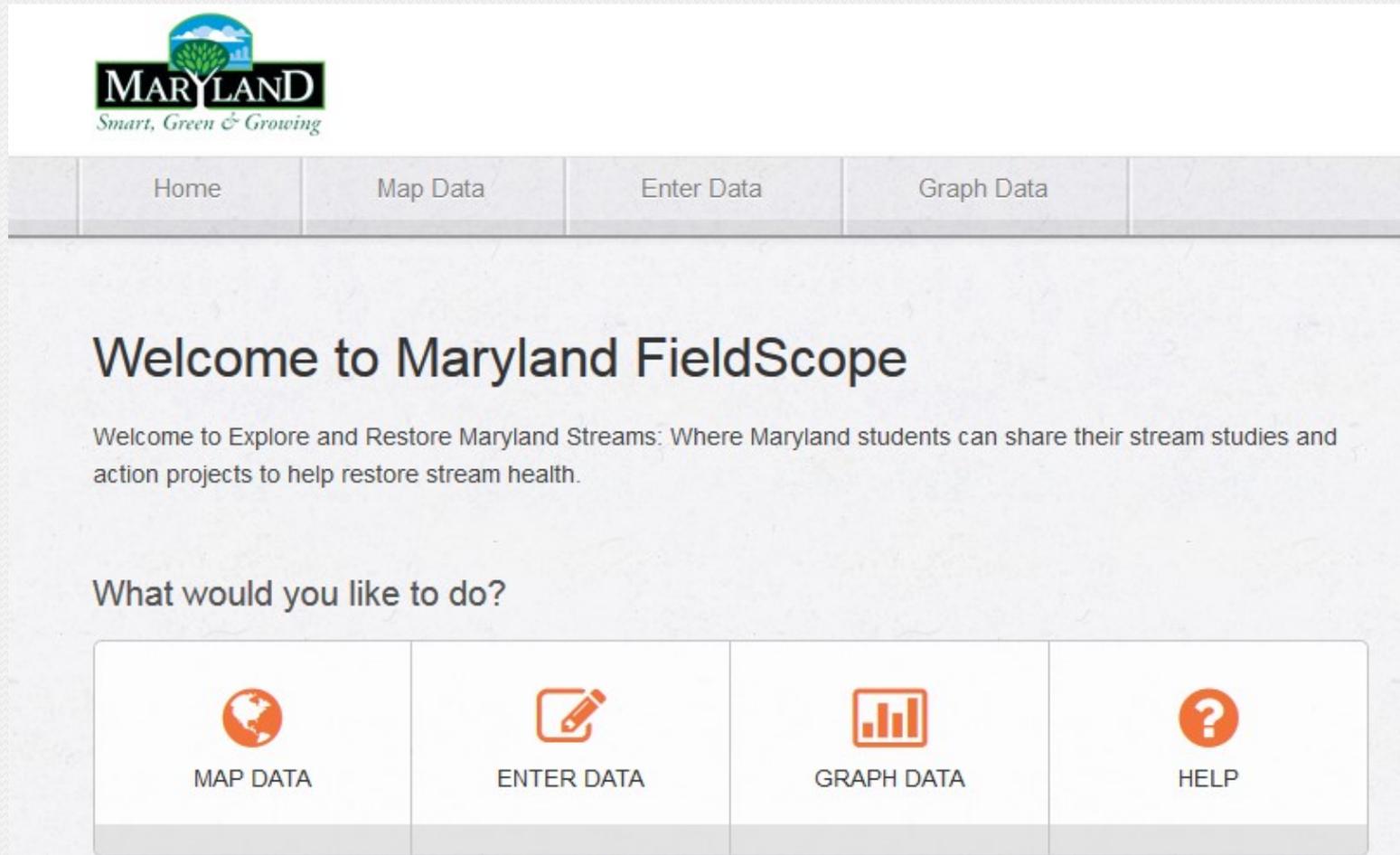
An Overview of FieldScope Basics

The following slides will familiarize you with FieldScope.



How We Get To FieldScope and What We See

1. Go to <http://maryland.fieldscope.org/>

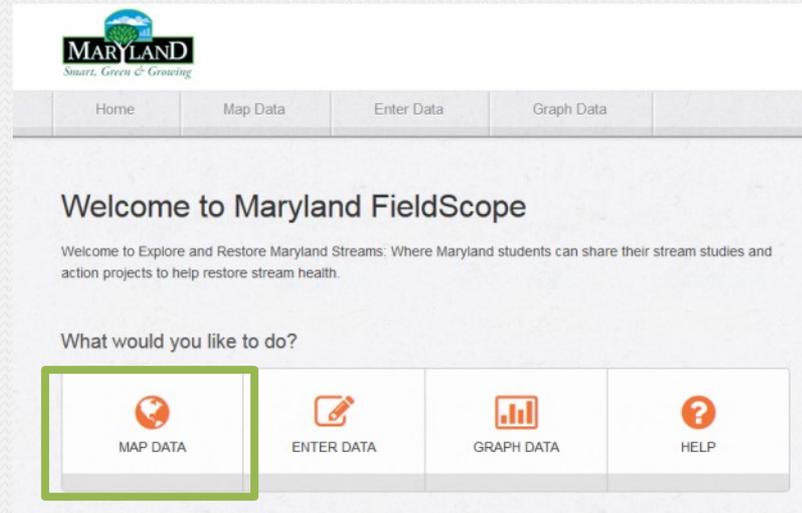


The screenshot shows the Maryland FieldScope website. At the top left is the Maryland logo with the text "MARYLAND Smart, Green & Growing". Below the logo is a navigation bar with buttons for "Home", "Map Data", "Enter Data", and "Graph Data". The main content area features a large heading "Welcome to Maryland FieldScope" followed by a paragraph: "Welcome to Explore and Restore Maryland Streams: Where Maryland students can share their stream studies and action projects to help restore stream health." Below this is the question "What would you like to do?" and a row of four buttons: "MAP DATA" (with a globe icon), "ENTER DATA" (with a pencil icon), "GRAPH DATA" (with a bar chart icon), and "HELP" (with a question mark icon).

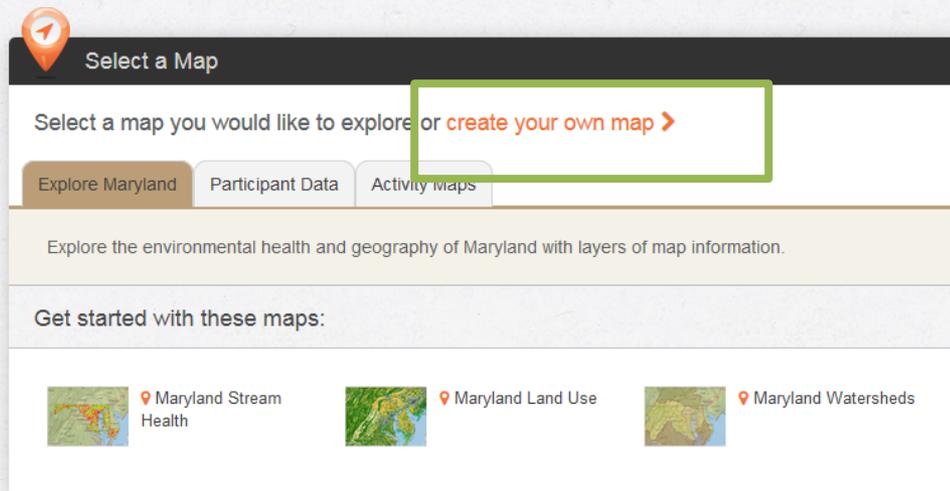


Starting Your Map: A Few Easy Steps

1. Click on “Map Data”.



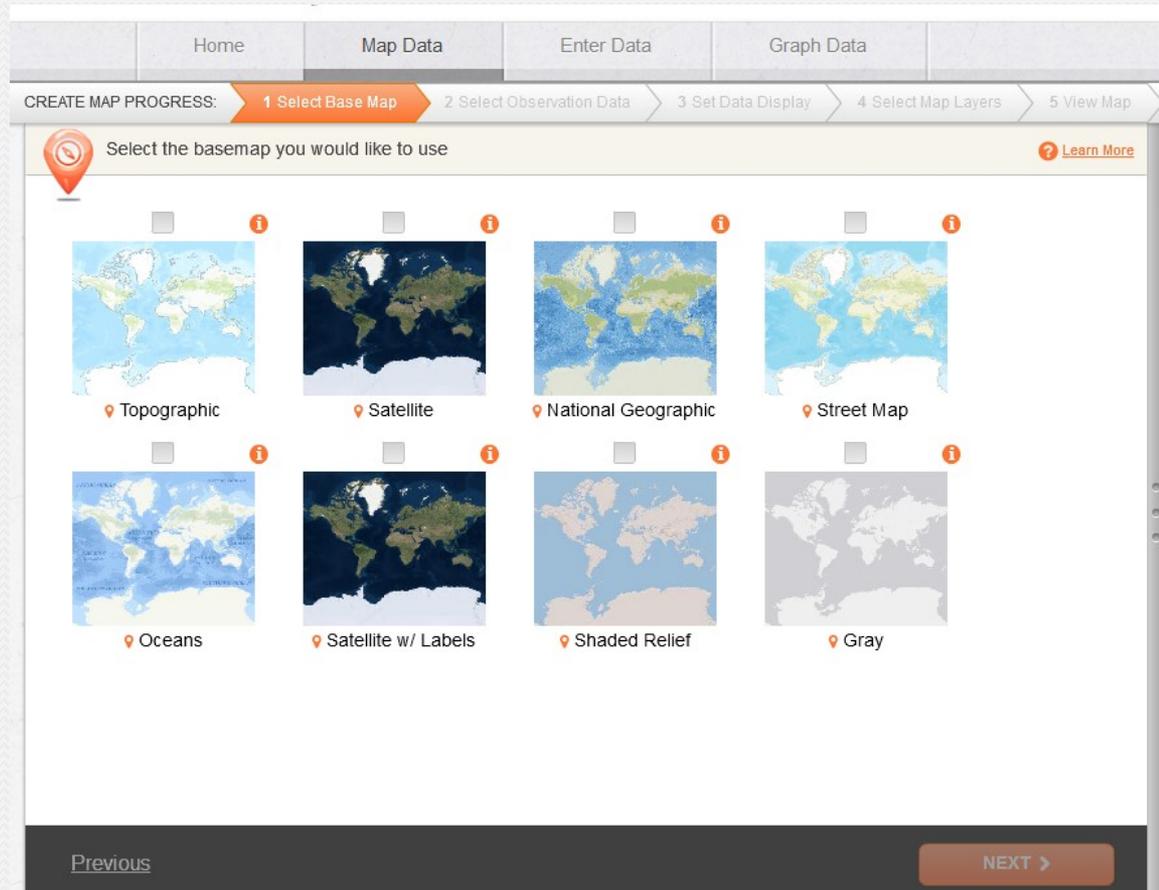
2. Click on “Create Your Own Map.”



4. Select a Base Map. Then, click “Next”.

Reminder: the base map is the bottom layer of your map.

Learn more
about different
base maps on the
following slides.



The screenshot shows a web interface for creating a map. At the top, there are navigation tabs: Home, Map Data, Enter Data, and Graph Data. Below these is a progress bar labeled 'CREATE MAP PROGRESS:' with five steps: 1 Select Base Map (highlighted in orange), 2 Select Observation Data, 3 Set Data Display, 4 Select Map Layers, and 5 View Map. The main content area is titled 'Select the basemap you would like to use' and features a grid of eight map preview thumbnails. Each thumbnail has a small square checkbox and an information icon (i) in the top right corner. The thumbnails are labeled as follows:

- Topographic
- Satellite
- National Geographic
- Street Map
- Oceans
- Satellite w/ Labels
- Shaded Relief
- Gray

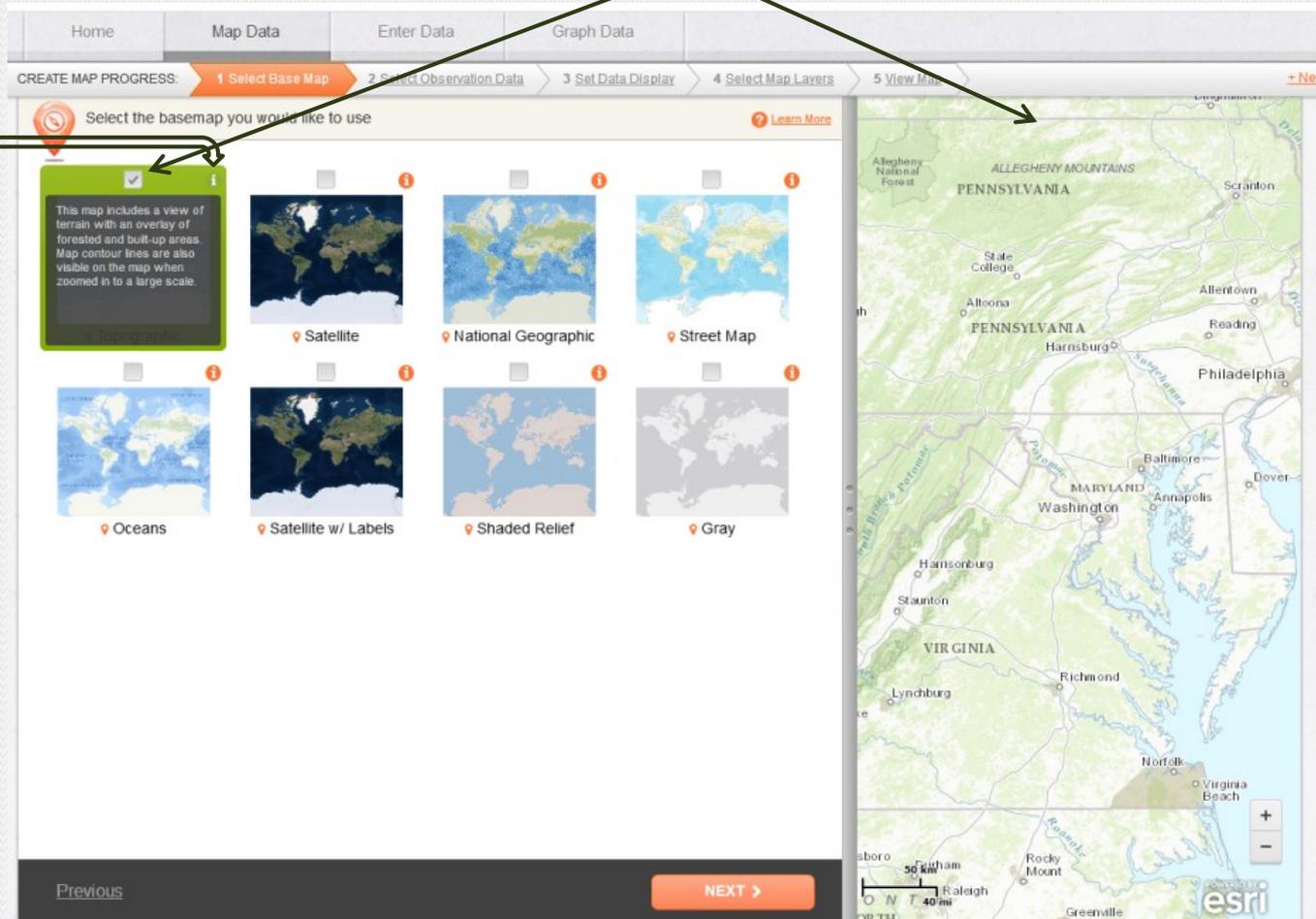
At the bottom of the interface, there is a 'Previous' button on the left and a 'NEXT >' button on the right.

- Topographic base map.

Checking the base map will show you a preview on the right side.

Hovering over the Orange Info Icon will give you a description of the base map.

“This map includes a view of terrain with an overlay of forested and built-up areas. Map contour lines are also visible on the map when zoomed in to a large scale.”



• National Geographic base map.

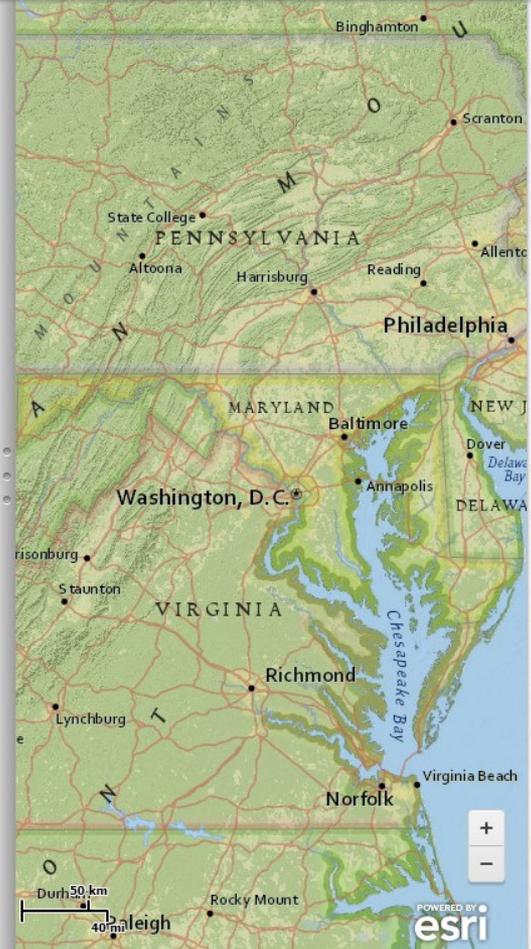
Home | Map Data | Enter Data | Graph Data

CREATE MAP PROGRESS: 1 Select Base Map | 2 Select Observation Data | 3 Set Data Display | 4 Select Map Layers | 5 View Map [+ New](#)

Select the basemap you would like to use [Learn More](#)

- Topographic
- Satellite
- This map is designed to be used as a general reference map. It was developed by National Geographic and Esri and reflects the distinctive National Geographic cartographic style in a multi-scale reference map of the world.**
- Street Map
- Oceans
- Satellite w/ Labels
- Shaded Relief
- Gray

[Previous](#) [NEXT >](#)



Street Map base map.

Home Map Data Enter Data Graph Data

CREATE MAP PROGRESS: 1 Select Base Map 2 Select Observation Data 3 Set Data Display 4 Select Map Layers 5 View Map [+ Ne](#)

Select the basemap you would like to use [Learn More](#)

- Topographic
- Satellite
- National Geographic
- Street Map
- Oceans
- Satellite w/ Labels
- Shaded Relief
- Gray

This worldwide street map presents highway-level data for the world and street-level data for many places including the United States, much of Canada, Japan, Australia, and most countries in Europe.

Previous **NEXT >**



5. The Next Step: Selecting Observation Data.

“Select Observation Data” enables you to select the sources of data for your map. This includes data from the U.S. Geological Survey, Maryland Biological Stream Survey, other schools and organizations.

We will not be looking at specific stream data, so you will *de-select* the **“Participant Water Quality Data”** during your exercise.

Home Map Data Enter Data Graph Data

CREATE MAP PROGRESS: 1 Select Base Map 2 Select Observation Data 3 Set Data Display 4 Select Map Layers 5 View Map

Select and filter the observation data sources for your map [Learn More](#)

Data Sources

- Participant Water Quality Data ?
- USGS Water Quality ?
- NOAA CBIBS - Daily ?
- Stream Corridor Assessment ?
- Restoration & Clean-up Data ?
- Maryland Biological Stream Survey ?
- NOAA CBIBS - Hourly ?

Data Filter Options

- Filter by value
Filter by value to select and display data on the variables you are interested in.
- Filter by area
Filter by a predefined geographic area, or an area you define.
- Filter by date

BASE MAP:

Topographic Base Map
This map includes a view of terrain with an overlay of forested and built-up areas. Map contour lines are also visible.

DATA INFORMATION:

Number of Stations: 0
Number of Observations: 0

FILTER LIST:

Match: Any selected filter All selected filters

Active	Filter Name (double-click to edit)	Delete

[Previous](#) [NEXT >](#)



6. Set Data Display. Then, click “Next”.

“Select Data Display” enables users to modify how observation data is displayed on map. We will not make changes to this during our exercise.

Home Map Data Enter Data Graph Data

CREATE MAP PROGRESS: 1 Select Base Map 2 Select Observation Data 3 Set Data Display 4 Select Map Layers 5 View Map +N

Select how the data will be displayed on the map [Learn More](#)

Observation Display Options

Display Observations Using: Purple Dots

Display Count As:

None Number of Stations Number of Observations

Display Observation Photos [?](#)

Displayed Variables

Available Variables:

Search for variable name...

Station ID
Latitude
Longitude
Observation ID
Day of Year

Selected Variables (3):

Station Name
Data Source
Observation Date

[Clear All](#)

BASE MAP:

Topographic Base Map
This map includes a view of terrain with an overlay of forested and built-up areas. Map contour lines ...

DATA INFORMATION:

Number of Stations: 0
Number of Observations: 0
Data Sources:

FILTER LIST:

Match: Any selected filter All selected filters

Active	Filter Name (double-click to edit)	Delete

Previous [NEXT >](#)



7. Select Map Layers. Then, click “Next”.

*“Select Map Layers” is where you select which data layers you want to view on your map. **Only 2 layers can be selected at a time.** You may go back to the menu to switch the map layers any time.*

We will explore some data layers in Part Two of your inquiry.

Home | Map Data | Enter Data | Graph Data

CREATE MAP PROGRESS: 1 Select Base Map 2 Select Observation Data 3 Set Data Display 4 Select Map Layers 5 View Map

Select up to two (2) layers to overlay onto the basemap [Learn More](#)

[+ Expand All](#) | [- Collapse All](#)

Boundaries

Add **County Boundaries**
Shows county boundaries for the United States.
Data source: Census Tiger File

Add **Watersheds**
The Chesapeake Bay has a watershed that contains a network of over 100,000 rivers and streams that trans...

Add **MBSS Catchments**
This catchment data comes from the Maryland Department of Natural Resources. Periodic sampling of stre...

Physical Geography

Add **Elevation**
Land elevation in the Chesapeake Bay watershed.
Data source: Adapted for FieldScope ...

Add **Rivers & Streams**
Lines that describe the path of every named river and stream in the Chesapeake Bay watershed...

SELECTED LAYERS:

Clear

Top: Select top layer

Bottom: Select bottom layer

INCLUDED LAYERS:

Observation Layer
Participant Water Quality Data:
This data comes from schools, ri...

BASE MAP:

BASE MAP:
This map includes a view of terrain with an overlay of forested and built-...

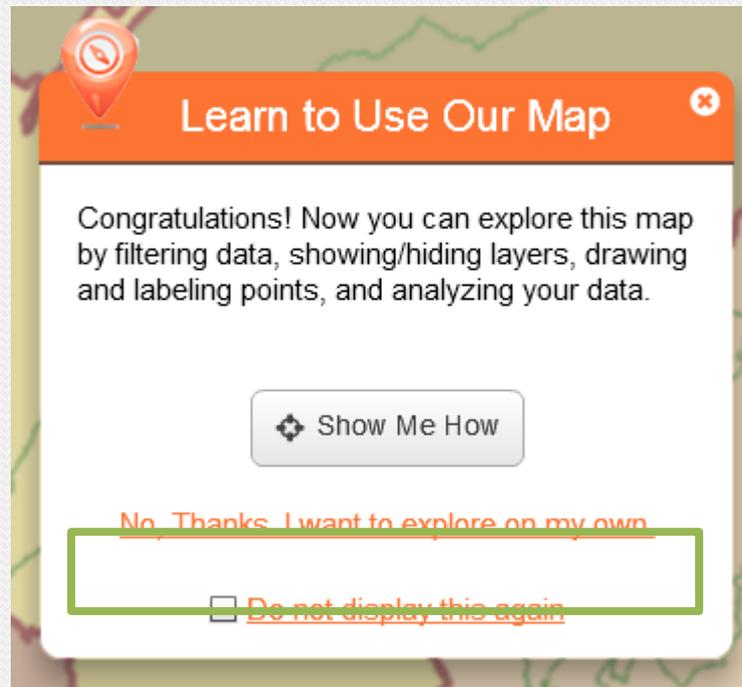
SELECTED MAP VIEW:

MARYLAND Baltimore
Germantown Columbia
esri



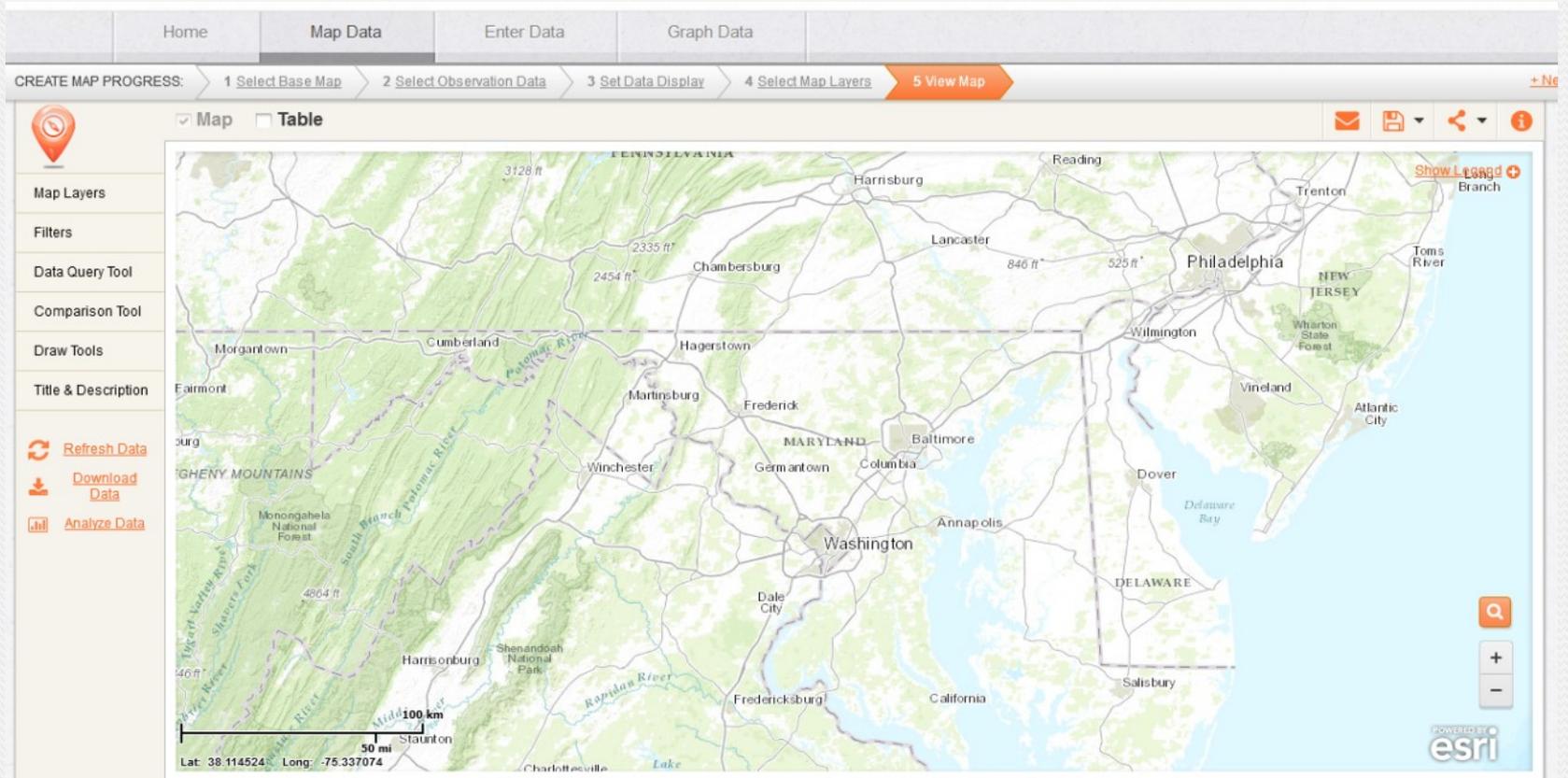
8. A FieldScope Lesson

- If you would like to watch a FieldScope Tutorial Video, then click on “Show Me How”.
- Otherwise, click on **“No, Thanks. I want to explore on my own.”**



9. View Map.

- During your exercise, you will create a map similar to this.



Key FieldScope Tools

Once you have a map, you will use online tools to research the data layers. The following slides will introduce some key FieldScope tools.

- Transparency
- Layer Visibility
- Draw Tools
- Legend
- Search
- Zoom In / Zoom out



10. Tabs on the Left Side

On the left side are tabs that you can use to adjust various settings on your map.

Home Map Data Enter Data Graph Data

CREATE MAP PROGRESS: 1 Select Base Map 2 Select Observation Data 3 Set Data Display 4 Select Map Layers 5 View Map

Map Table

- Map Layers
- Filters
- Data Query Tool
- Comparison Tool
- Draw Tools

Title & Description

- Refresh Data
- Download Data
- Analyze Data

Lat: 38.114524 Long: -75.337074

POWERED BY esri



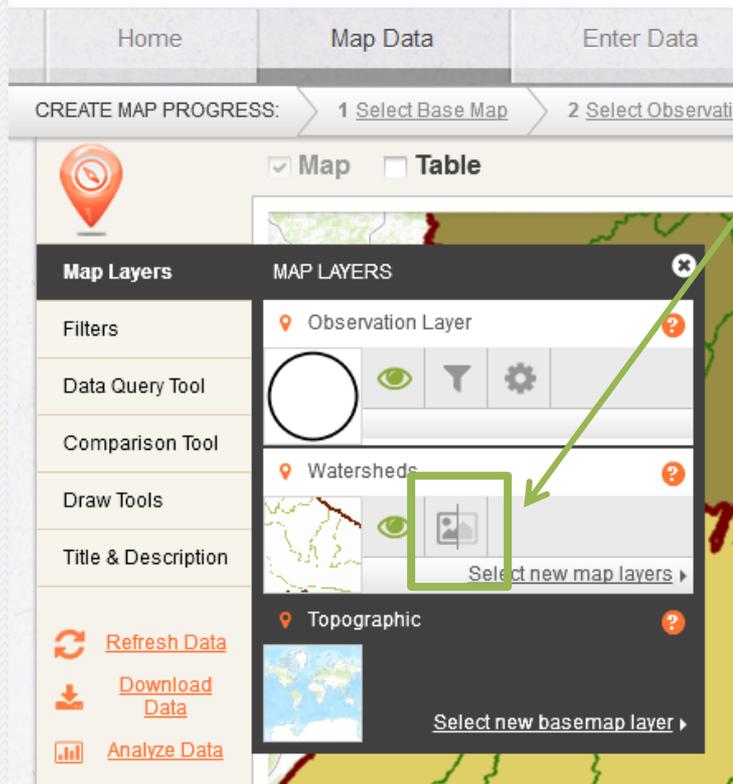
a. Map Layers

The “Map Layers” tab shows you the layers you currently have on your map. It also allows you to adjust the transparency and visibility of the layers. In this example, it is adjusted so that we can only see the sub-watershed data layer.

The screenshot displays a web-based GIS application interface. At the top, there are navigation tabs: Home, Map Data, Enter Data, Graph Data, and a progress bar showing steps 1 through 5. The 'Map Layers' tab is active. On the left, a sidebar contains various tools: Map Layers (highlighted with a green box), Filters, Data Query Tool, Comparison Tool, Draw Tools, and Title & Description. Below these are links for Refresh Data, Download Data, and Analyze Data. The main map area shows a topographic map of the Philadelphia region with a watershed boundary overlaid. The 'MAP LAYERS' panel is open, showing three layers: 'Observation Layer', 'Watersheds', and 'Topographic'. The 'Watersheds' layer is selected, and its visibility is toggled on. The map includes a search bar, a scale bar (50 km and 50 mi), and a coordinate display (Lat: 38.858090, Long: -79.420166). The Esri logo is visible in the bottom right corner.

i. The Transparency Slide Bar

Transparency controls whether or not you can see through the layer. Zero % transparency means you cannot see through it, like on the previous page. 100% transparency means you can completely see through it.



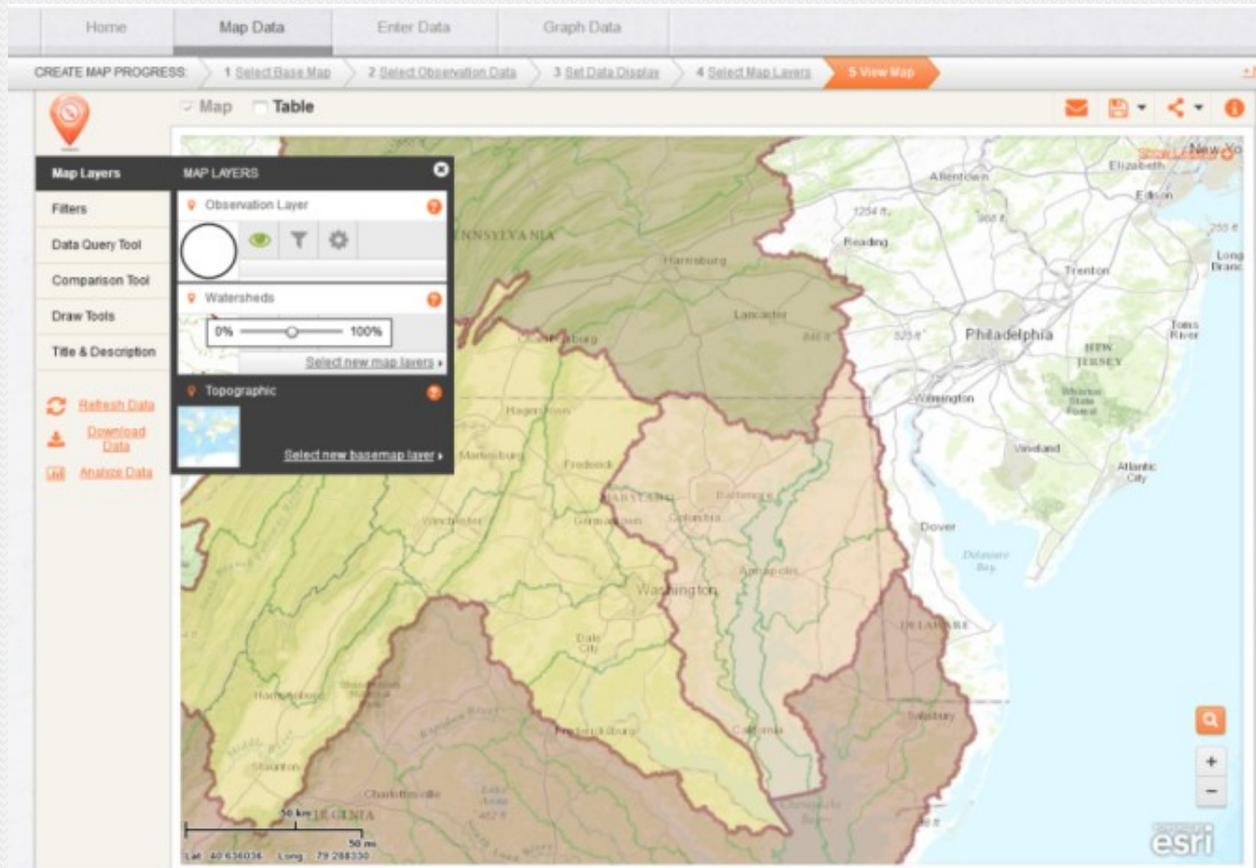
When you add new layers to your map, they are automatically set to 0% transparency.



Layers Revealed

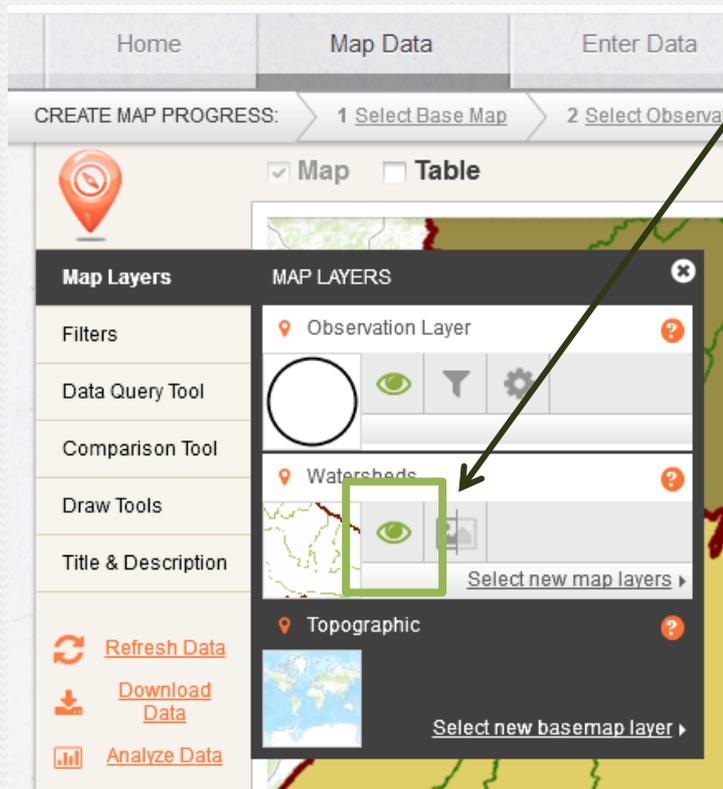
This is how the same map appears when the transparency of the Watersheds layer is set to 50%.

You can see both the base map and the Watersheds layer.



ii. Layer Visibility.

Layer Visibility – the EYE – shows or hides the layer.



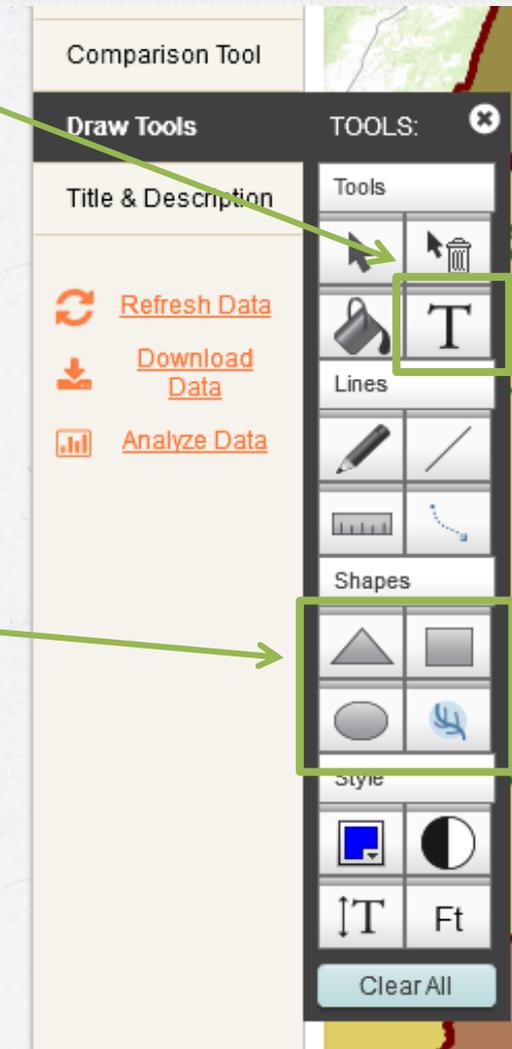
b. Draw Tools – Enabling You to Make Your Mark!

With the “Draw Tools” tab you can:

- *Insert text, shapes, and lines*
- *Measure distances*
- *Find stream reaches*

The screenshot displays a web-based GIS application interface. The main map area shows a watershed map of the Philadelphia region, with different watershed areas color-coded: Lower Chesapeake (dark brown), Potomac (yellow), Susquehanna (orange), and Upper Chesapeake (light brown). The map includes labels for cities like Allentown, Reading, Philadelphia, and Wilmington, as well as geographical features like Delaware Bay. A 'Draw Tools' panel is open on the left side of the map, showing various tools for drawing lines, shapes, and text, along with a 'Clear All' button. The interface also features a legend on the right side, a map layers panel at the top, and navigation controls at the bottom. The Esri logo is visible in the bottom right corner of the map area.

i. Insert label.

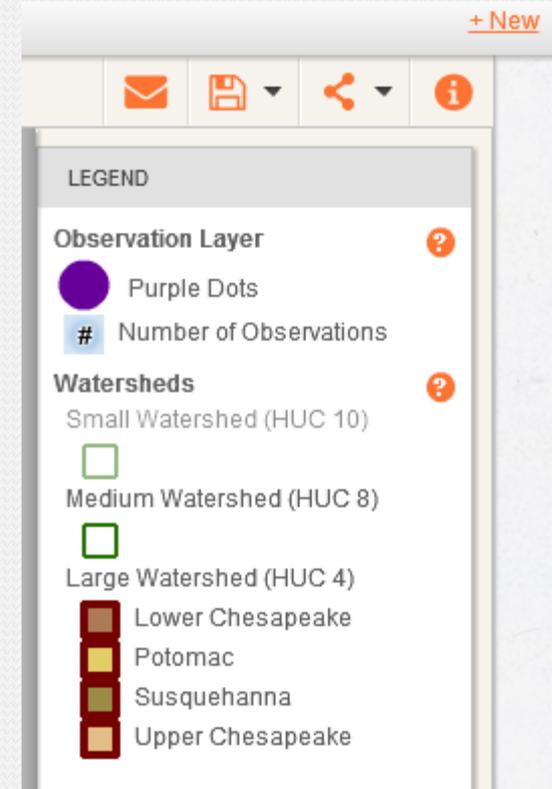
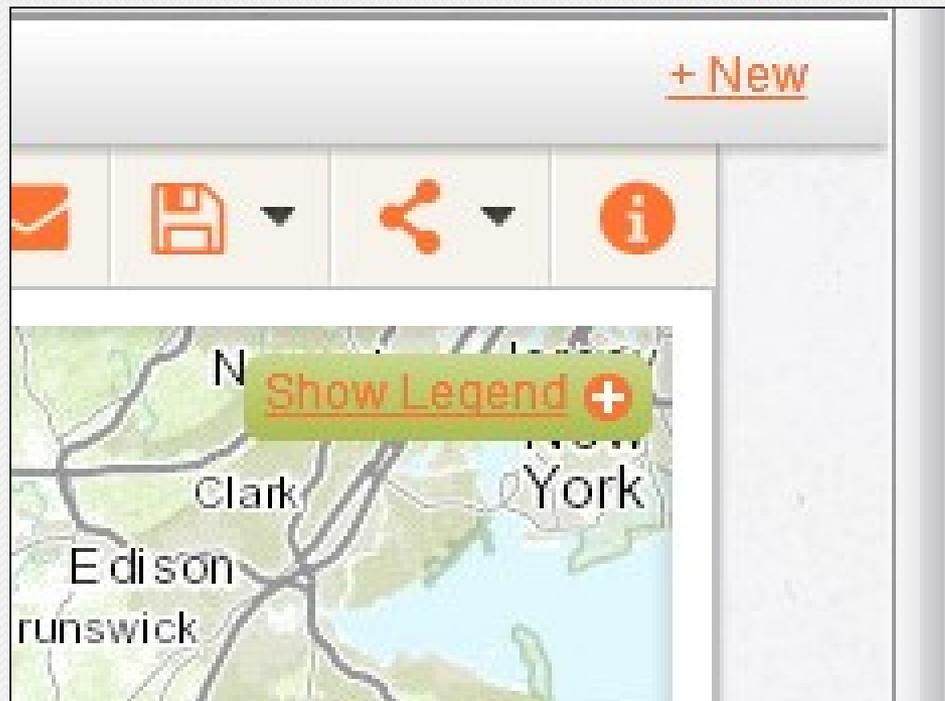


ii. Insert shape.

11. Legend -- the key to knowing what you are seeing

In the top right corner of your map, is a link to show the legend. The legend will list what the symbols and colors mean on your map.

- Click on “**Show Legend**” to view the legend.



At the bottom right corner, you will see the Search button, represented by a magnifying glass, and the Zoom In and Zoom Out buttons, represented by a plus (+) and minus (-) sign.

12. Search.



12. Zoom In (+) and Zoom Out (-).



FieldScope Map Inquiry Instructions

Part Two

Explore Your Watershed

At this point, students can work on their own computers with their worksheets independently, or the class may choose to follow the instructions on this presentation.



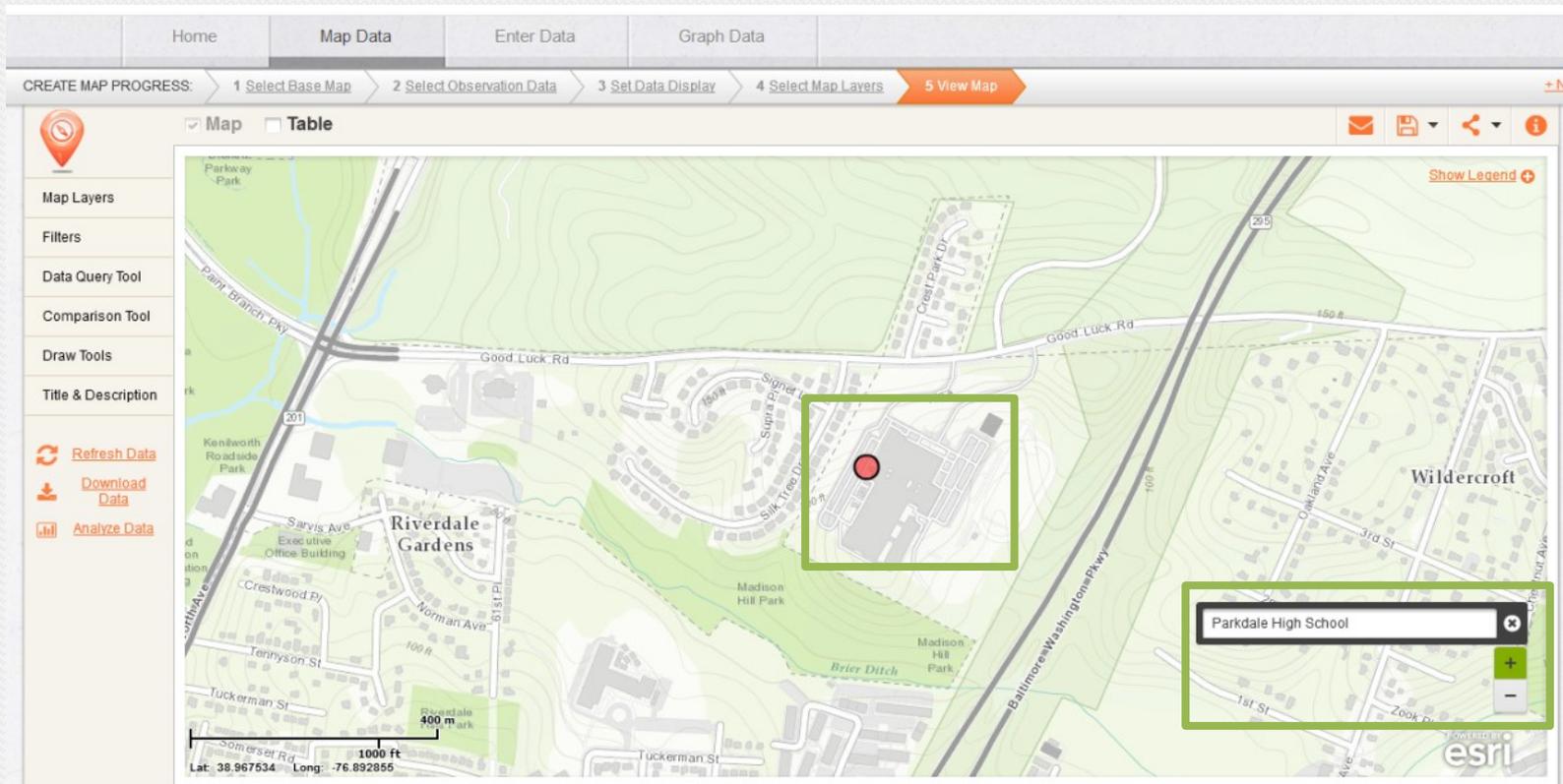
Explore Your Watershed

- The following slides will walk you through examining your local school watershed.
- We will locate your school and analyze the following:
 1. Locate your school
 2. Watersheds
 3. Rivers and streams
 4. Land cover
 5. Impervious surfaces
 6. Impermeability
 7. Stream health
- In the following example, we are using:
 - The topographic base map
 - Parkdale High School as an example location

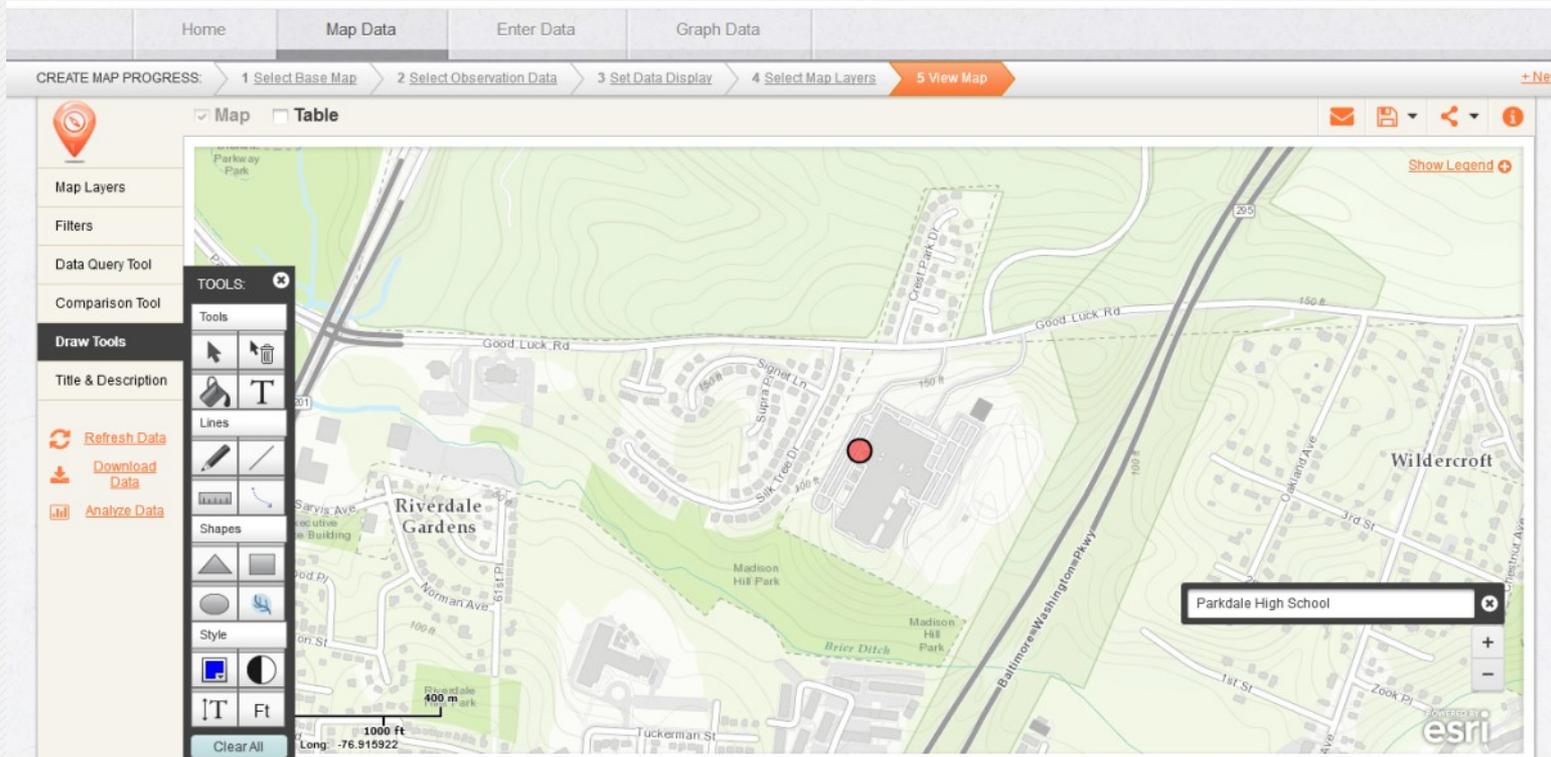


1. Locate Your School

- a. Search for your school by clicking on the Search button (the magnifying glass) in the lower right corner. Put in the address or name of your school. The location will appear as a red dot.
- b. Zoom in (the + button) until you can see the outline of your school.

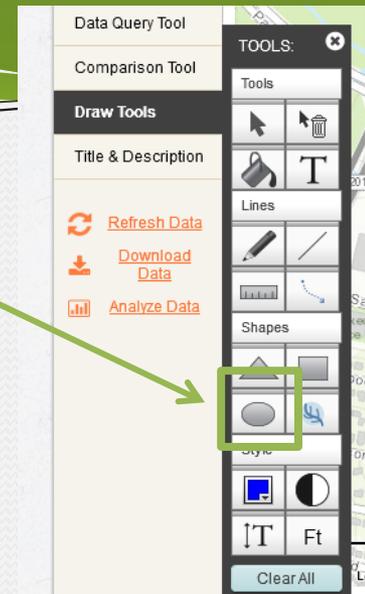


- c. Create a Label and Place Marker for your school using the Draw Tools tab. The label and marker you create will remain on the map as you explore the different data layers and zoom in and out.
- d. Instructions on how to create a Label and Place Marker are on the next slide.



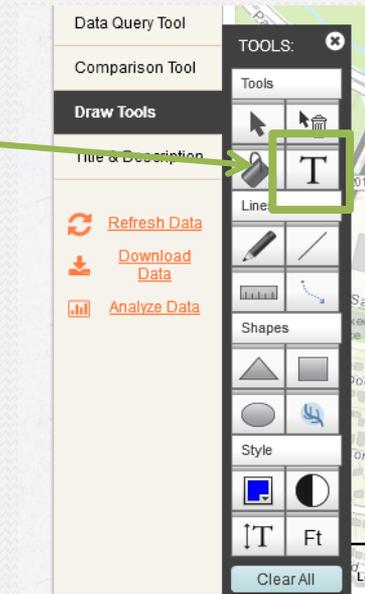
e. Click on the “**Circle**” shape tool.

- i. Press down on the map where you want the symbol to be to select the center of the circle, then drag and let go to finish.



f. Click on the “**Add Label**” tool.

- i. Click where you want to place the text.



Example

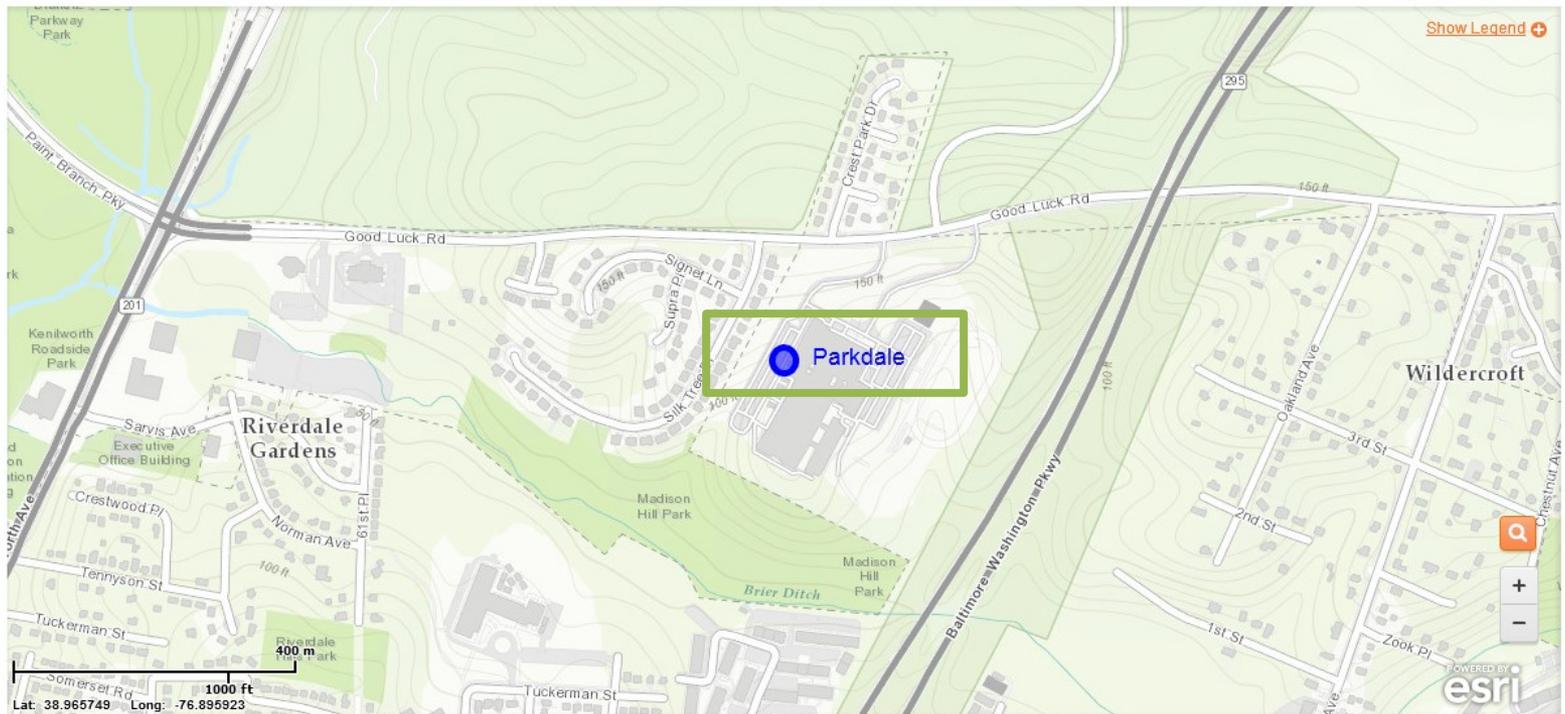
Home Map Data Enter Data Graph Data

CREATE MAP PROGRESS: 1 Select Base Map 2 Select Observation Data 3 Set Data Display 4 Select Map Layers 5 View Map + Ne

Map Table    

 Map Layers
Filters
Data Query Tool
Comparison Tool
Draw Tools
Title & Description

 Refresh Data
 Download Data
 Analyze Data


A topographic map showing a residential area with contour lines. A blue dot labeled "Parkdale" is highlighted with a green rectangle. The map includes labels for "Riverdale Gardens", "Wildercroft", "Baltimore-Washington Pkwy", "Good Luck Rd", and "Brier Ditch". A scale bar at the bottom left indicates 1000 ft. The Esri logo is in the bottom right corner of the map area.

Lat: 38.965749 Long: -76.895923



2. Watersheds Layer

The Watersheds layer displays the Chesapeake Bay Watershed on your map. It also displays the sub-watersheds within the larger Chesapeake Bay Watershed.

Add the “Watersheds” layer to your map.

- Click on “**Select Map Layers**”
- Check the “**Watersheds**” layer box to add it to your map.
- Click “**Next**” to view your map.

Home | Map Data | Enter Data | Graph Data

CREATE MAP PROGRESS: 1 Select Base Map | 2 Select Observation Data | 3 Set Data Display | 4 Select Map Layers | 5 View Map

Select up to two (2) layers to overlay onto the basemap

Boundaries

- Add County Boundaries
- Added Watersheds
- Add MBSS Catchments

Physical Geography

- Add Elevation
- Add Rivers & Streams
- Add Physiographic Provinces

SELECTED LAYERS:

Top: Watersheds

Bottom: Select bottom layer

INCLUDED LAYERS:

- Observation Layer

BASE MAP:

- BASE MAP:

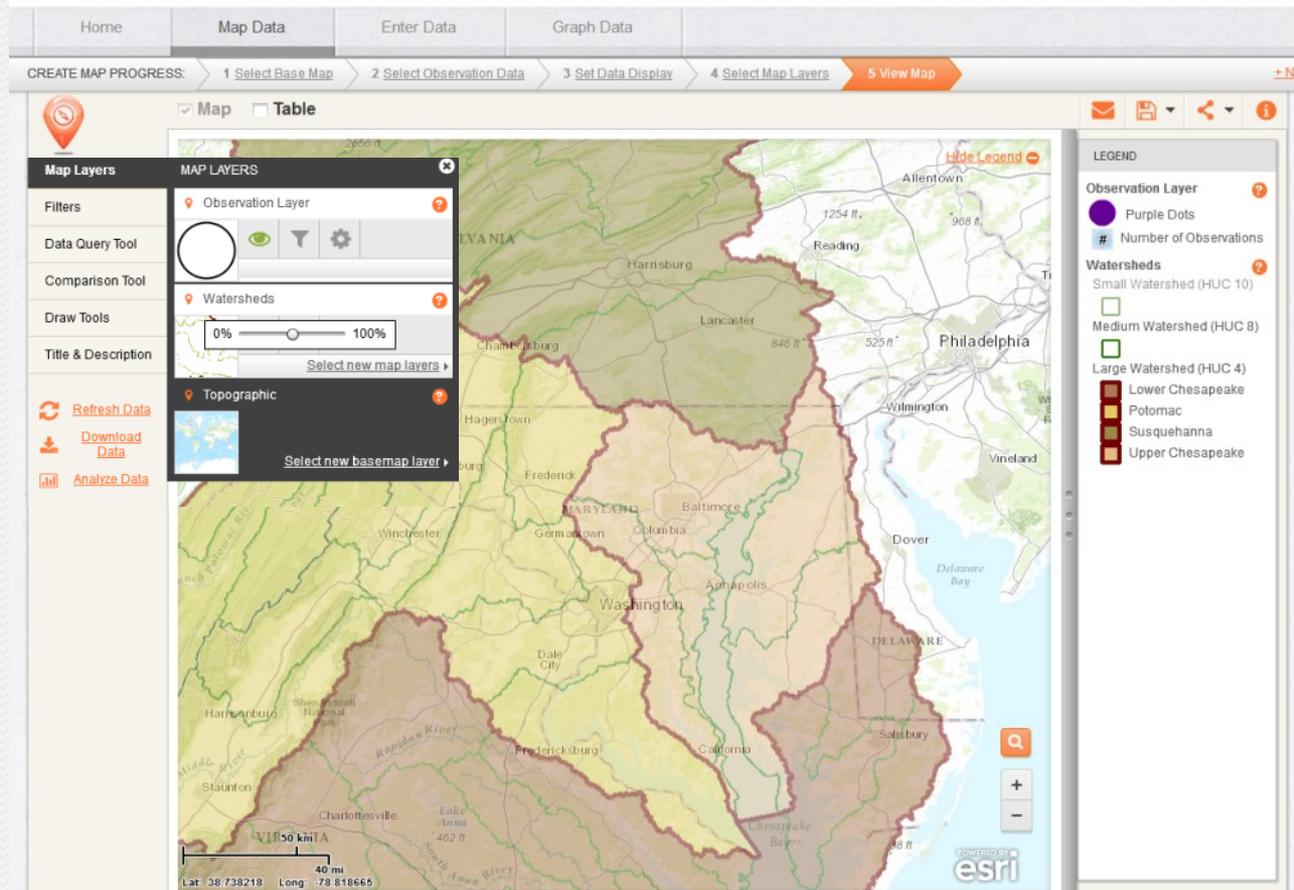
SELECTED MAP VIEW:

Previous | NEXT >



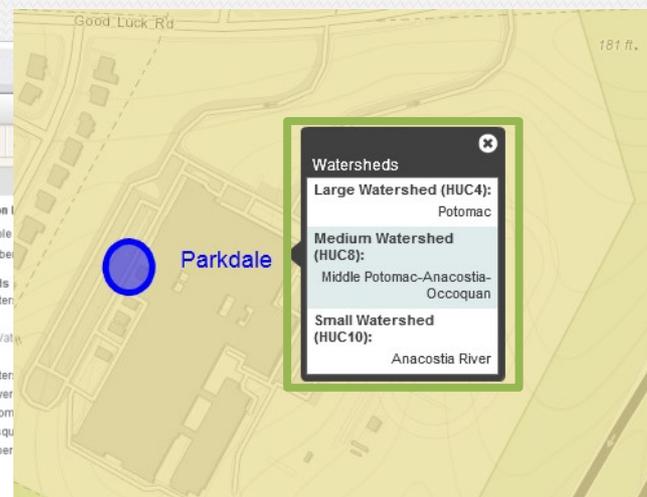
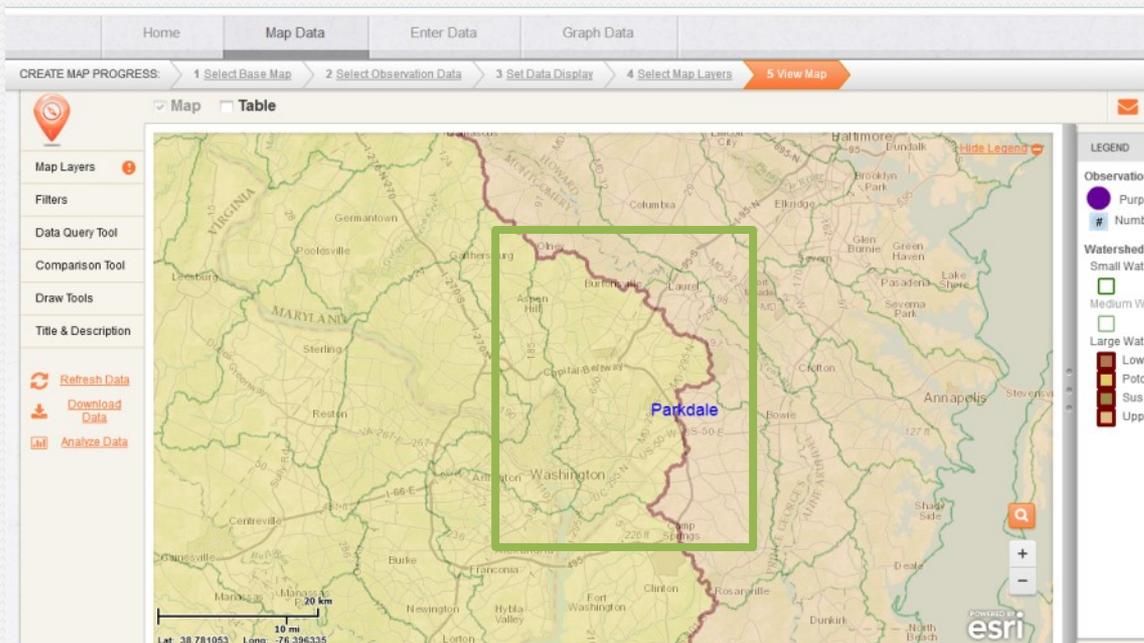
D. Adjust the **Transparency** settings to the **Watersheds** layer so you can see the map underneath.

Adjust the transparency to **50%** to start.



E. Click on your school's location to find out what watershed you are in. A popup should appear.

- What watershed are you in?
- Explore the watershed boundaries. What do they mean?
- In this example, Parkdale High School is in the Anacostia River Watershed. This means that, when it rains, all the rain water in this area will flow down slope and eventually make its way into the Anacostia River, carrying any trash and pollutants with it.



3. Rivers and Streams Layer

Now you will observe the Rivers and Streams layer on your map. This layer will show you streams in your watershed. You will be able to locate and determine your local stream.

Add the “**Rivers and Streams**” layer to your map.

A. Click on “**Select Map Layers**”

B. Uncheck the “**Watersheds**” layer box to remove it from your map.

C. Check the “**Rivers and Streams**” layer box to add it to your map.

D. Click “**Next**” to view your map.

Home | Map Data | Enter Data | Graph Data

CREATE MAP PROGRESS: 1 Select Base Map | 2 Select Observation Data | 3 Set Data Display | 4 Select Map Layers | 5 View Map

Select up to two (2) layers to overlay onto the basemap

Boundaries

- Add County Boundaries: Shows county boundaries for the United States. Data source: Census Tiger File
- Add Watersheds: The Chesapeake Bay has a watershed that contains a network of over 100,000 rivers and streams that trans...
- Add MBSS Catchments: This catchment data comes from the Maryland Department of Natural Resources. Periodic sampling of stre...

Physical Geography

- Add Elevation: Land elevation in the Chesapeake Bay watershed. Data source: Adapted for FieldScope
- Added Rivers & Streams: Lines that describe the path of every named river and stream in the Chesapeake Bay watershed...
- Add Physiographic Provinces: Geographic regions with the same subsurface rock type or structural elements...

Maryland Environment

SELECTED LAYERS:

Clear

Top: Rivers & Streams

Bottom: Select bottom layer

INCLUDED LAYERS:

- Observation Layer: Participant Water Quality Data. This data comes from schools, ri...

BASE MAP:

- BASE MAP: This map includes a view of terrain with an overlay of forested and built...

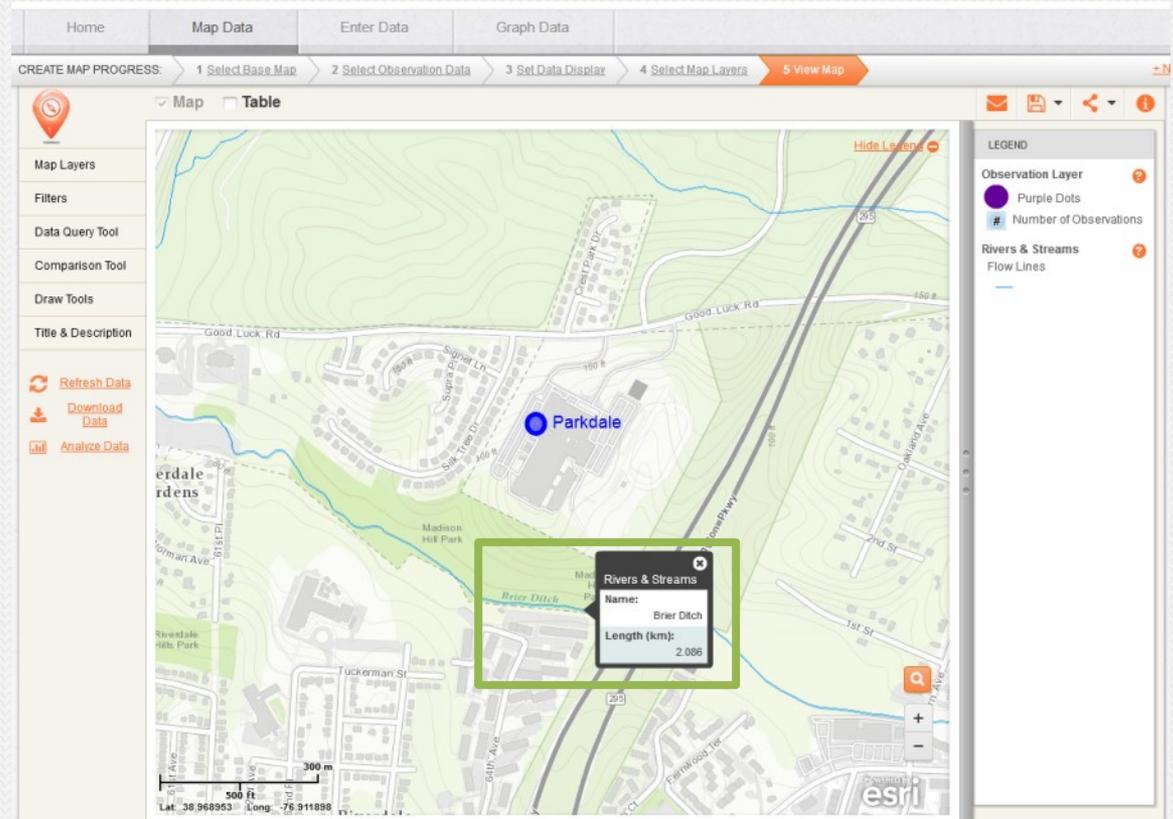
SELECTED MAP VIEW:

Previous | NEXT



E. Make sure you are zoomed in enough to see what streams are in your watershed and around your school.

- Click on any stream to view more information.
- What streams are closest to your school? How far away are they? (Use the Measure Tool)
- What do you think the quality of the stream is? Why?



4. Land Cover Layer

Now you will observe Land Cover on your map. This layer will show you the physical material on the surface of the earth, such as grass, asphalt, trees, bare ground, and water.

Add the “Land Cover” layer to your map.

A. Click on “Select Map Layers”

B. Uncheck the “Rivers and Streams” layer box to remove it from your map.

C. Check the “Land Cover” layer box to add it to your map.

D. Click “Next” to view your map.

* Remember to adjust the transparency settings, if needed.



E. Click on any location to see what the land cover type is. Refer to the legend.

The screenshot displays a web-based GIS application interface. At the top, there are navigation tabs: Home, Map Data, Enter Data, Graph Data, and a highlighted View Map tab. Below the tabs is a progress bar with five steps: 1 Select Base Map, 2 Select Observation Data, 3 Set Data Display, 4 Select Map Layers, and 5 View Map (highlighted in orange). On the left side, there is a sidebar with a 'Map Layers' section containing 'Observation Layer' and 'Land Cover' layers, and a 'Filters' section with options like 'Data Query Tool', 'Comparison Tool', 'Draw Tools', and 'Title & Description'. The main map area shows a street map of Riverdale, MN, with a blue dot labeled 'Parkdale' indicating a selected location. The map is overlaid with a land cover layer showing various colors representing different land cover types. On the right side, there is a legend titled 'LEGEND' with two sections: 'Observation Layer' and 'Land Cover'. The 'Observation Layer' section includes 'Purple Dots' and '# Number of Observations'. The 'Land Cover' section includes 'Land Cover Type' with a list of 14 categories and their corresponding colors: Barren (Rock/Sand/Clay), Cultivated Cropland, Deciduous Forest, High Intensity Developed, Low Intensity Developed, Emergent Wetlands, Evergreen Forest, Grassland, Mixed Forest, Open Water, Pasture/Hay, Perennial Ice/Snow, Shrub/Scrub, and Woody Wetlands. At the bottom of the map, there is a scale bar (0.5 mi, 1 km) and coordinates (Lat: 38.976193, Long: -76.944020). The Esri logo is visible in the bottom right corner of the map area.



5. Impervious Surfaces Layer

Now you will observe the Impervious Surfaces layer on your map. Impervious surfaces are areas cannot absorb or allow water to soak into the ground. This layer shows areas that are completely impervious to water versus those where at least some water soaks in. You will be able to view areas that have been categorized as impervious and pervious.

Add the **Impervious Surfaces** layer to your map.

A. Click on “**Select Map Layers**”

B. Uncheck the “**Land Cover**” layer box to remove it from your map.

C. Check the “**Impervious Surfaces**” layer box to add it to your map.

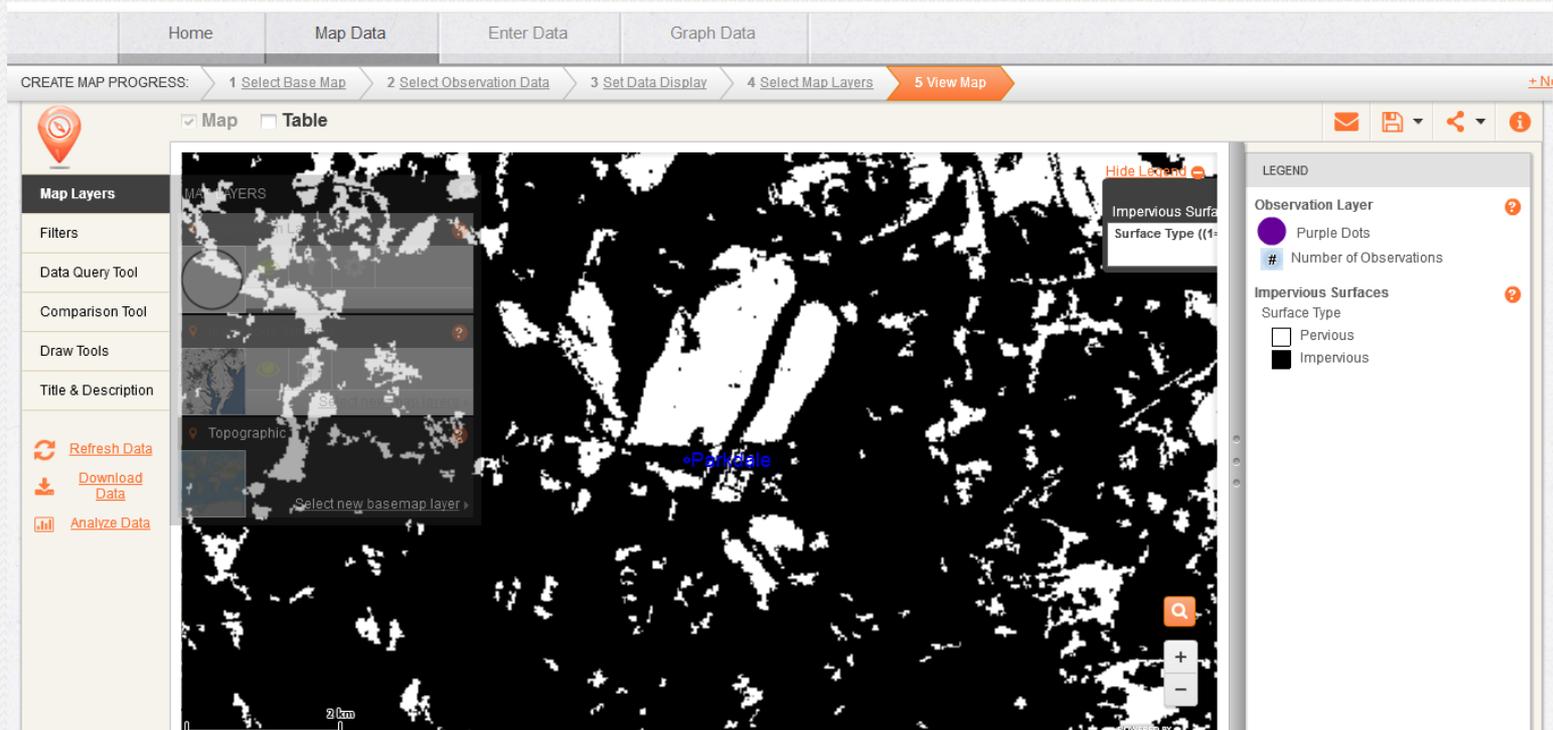
D. Click “**Next**” to view your map.

** Remember to adjust the transparency settings, if needed.*

The screenshot shows a web application interface for selecting map layers. At the top, there are navigation tabs: Home, Map Data, Enter Data, Graph Data, and a progress bar with steps: 1 Select Base Map, 2 Select Observation Data, 3 Set Data Display, 4 Select Map Layers (highlighted), and 5 View Map. Below the progress bar, there's a heading "Select up to two (2) layers to overlay onto the basemap" and a "Learn More" link. The main area displays a grid of layer options, each with a thumbnail, a title, and a description. The "Impervious Surfaces" layer is highlighted with a green box and has its checkbox checked. Other layers include "Historical Shorelines", "Hydrology", "Impermeability", "Land Cover", "Sea Level Rise Vulnerability", "Stream Health", "Stream Reaches", "Water Quality Assessment", and "Watershed Health". On the right side, there's a "SELECTED LAYERS:" panel showing "Impervious Surfaces" selected. Below it, there's an "INCLUDED LAYERS:" panel showing "Observation Layer" selected. At the bottom, there's a "Previous" button and a "NEXT >" button.



- i. Generally, where do you find the greatest amount of impervious surfaces?
- ii. How do you think the stream health is affected by the types of land cover and the amount of impervious surfaces in your watershed?



6. Impermeability Layer

Now you will observe Impermeability layer on your map. This layer shows the percentage of land area that is unable to absorb rainfall. You will be able to see the percent of impervious surfaces in specific locations.

Add the **Impermeability** layer to your map.

- A. Click on “**Select Map Layers**”
- B. Uncheck the “**Impervious Surfaces**” layer box to remove it from your map.
- C. Check the “**Impermeability**” layer box to add it to your map.
- D. Click “**Next**” to view your map.

Home | Map Data | Enter Data | Graph Data

CREATE MAP PROGRESS: 1 Select Base Map | 2 Select Observation Data | 3 Set Data Display | 4 Select Map Layers | 5 View Map

Select up to two (2) layers to overlay onto the basemap

SELECTED LAYERS:

Top: Impermeability

Bottom: Select bottom layer

INCLUDED LAYERS:

Observation Layer
Participant Water Quality Data:
This data comes from schools, ri...

BASE MAP:

BASE MAP:
This map includes a view of terrain
with an overlay of forested and built...

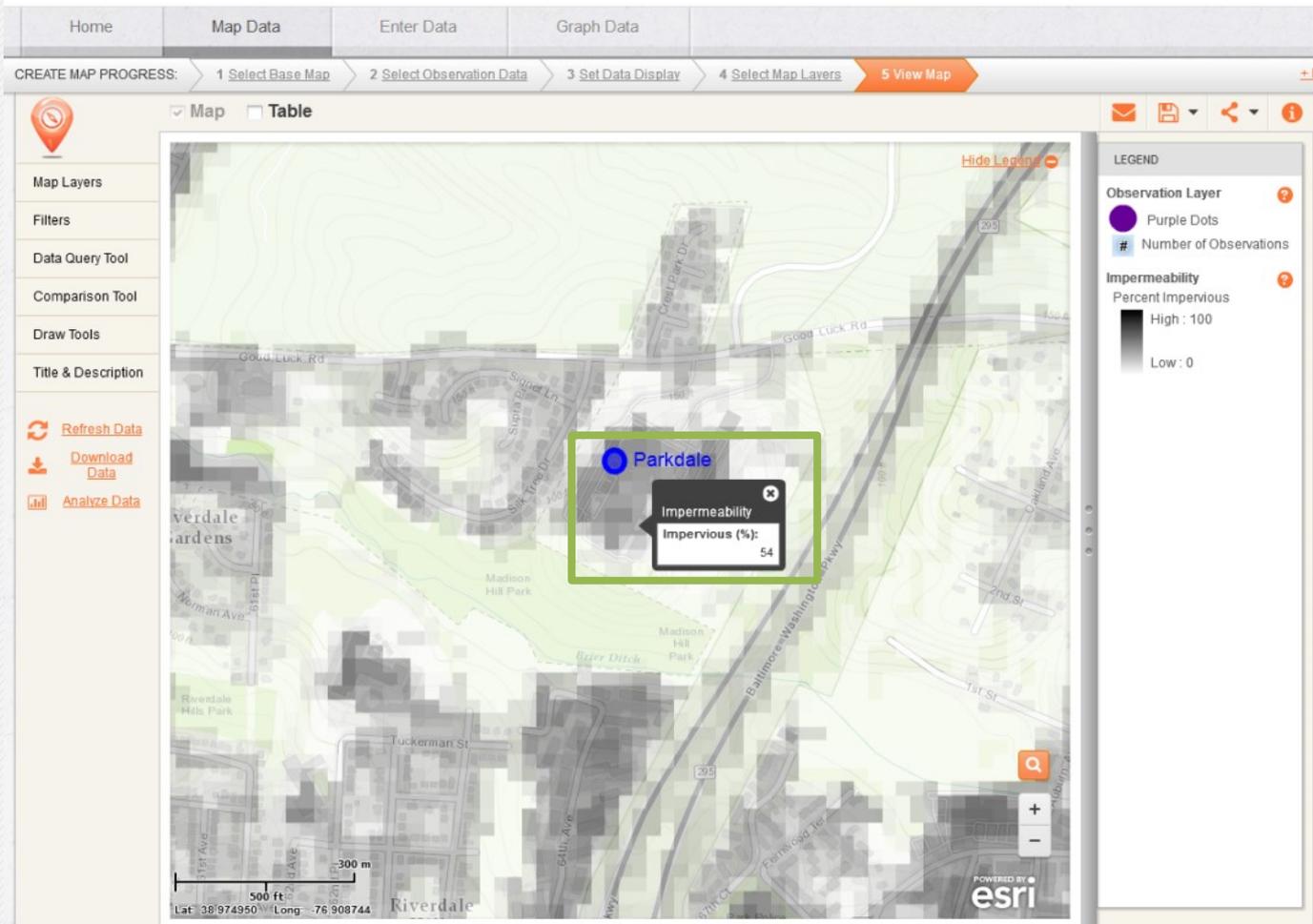
SELECTED MAP VIEW:

Previous | NEXT >

* Remember to adjust the transparency settings, if needed.



- Click on any location to see the percent impervious.

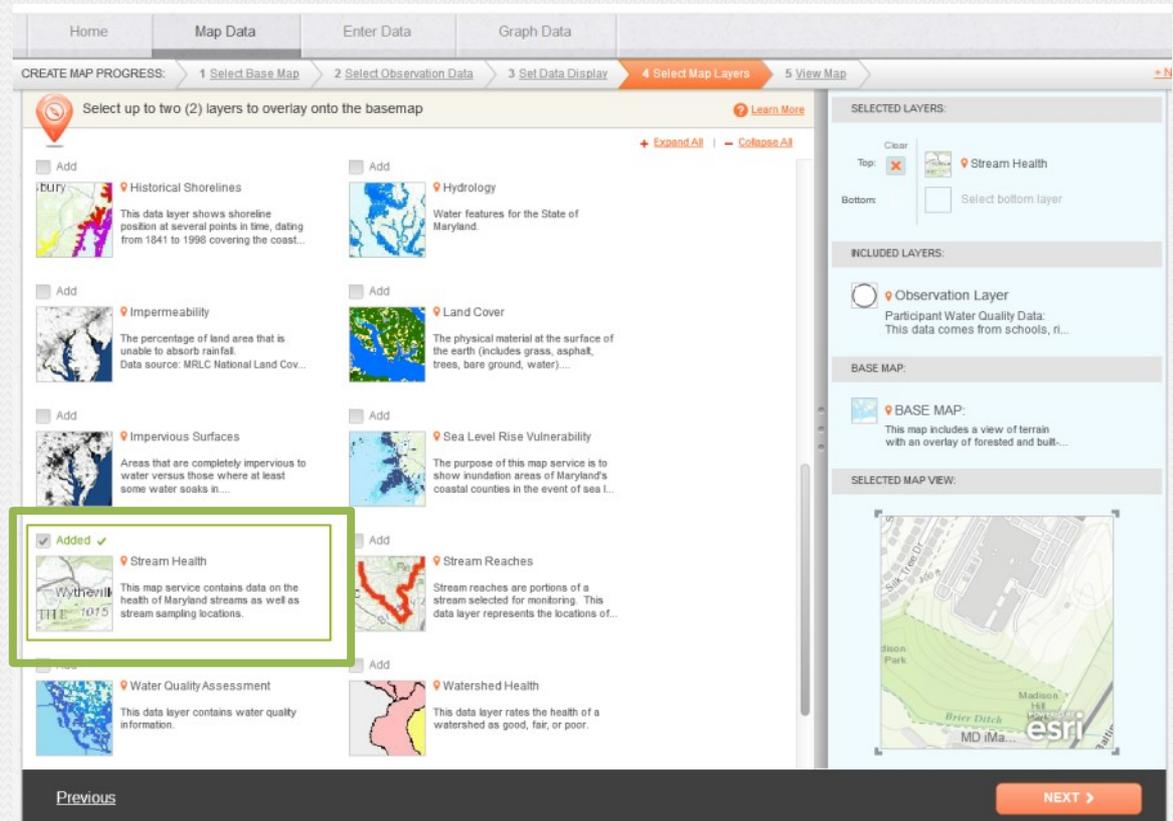


7. Stream Health Layer

Now you will observe Stream Health on your map. This layer shows the results of stream sampling done by the Maryland Department of Natural Resources.

Add the **Stream Health** layer to your map.

- A. Click on “**Select Map Layers**”
- B. Uncheck the “**Impermeability**” layer box to remove it from your map.
- C. Check the “**Stream Health**” layer box to add it to your map.
- D. Click “**Next**” to view your map.



* Remember to adjust the transparency settings, if needed.



i. What do you observe?

1. Is there any data for your local stream?

Home Map Data Enter Data Graph Data

CREATE MAP PROGRESS: 1 Select Base Map 2 Select Observation Data 3 Set Data Display 4 Select Map Layers 5 View Map + New

Map Table

Map Layers
Filters
Data Query Tool
Comparison Tool
Draw Tools
Title & Description

Refresh Data
Download Data
Analyze Data

Legend

- Observation Layer
 - Purple Dots
 - # Number of Observations
- Stream Health
 - Stream Wader Sites (volunteer collected)
 - Poor
 - Fair
 - Good
 - Md Biological Stream Survey Sites
- Stream Reaches
 - Poor
 - Fair
 - Good

Map Labels: Adelphi, College Park, University Park, East Riverdale, Parkdale, Brentwood, Bladensburg, Greenbelt, Lanham, Dodge Park, Shingdal.

Coordinates: Lat: 38.936555 Long: -76.903459

