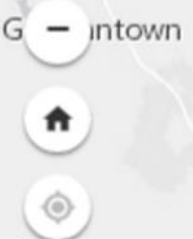# LandScope America

A Tool for Strategic Conservation Planning

NatureServe

LandScope America

LandScope America

Strategic conservation planning requires data and collaboration in order to identify opportunities and cooperate in order to achieve goals.

LandScope America provides specific, targeted data relating to conservation priorities.

LandScope America also provides a publicly accessible planning and conservation tracking system that furthers cooperative conservation.
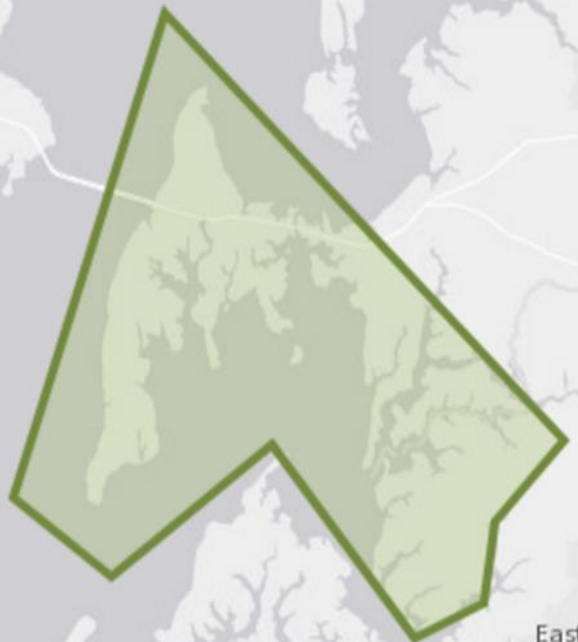
What is LandScope America?

What is LandScope America?

- A free, easy-to-use online tool for conservation planning and collaboration.
- A tool for:
  - Finding and mapping shared priorities.
  - Sharing conservation success stories, pictures, and videos.
  - Track and report progress toward land protection goals.

How does LandScope America work?

LandScope America uses an interactive map viewer to bring together maps, data, photos, and stories and provides useful tools and resources for strategic conservation planning and priority-setting.

In addition to the map, LandScope America presents:

- Multimedia Content

What is LandScope America?

How does LandScope America work?

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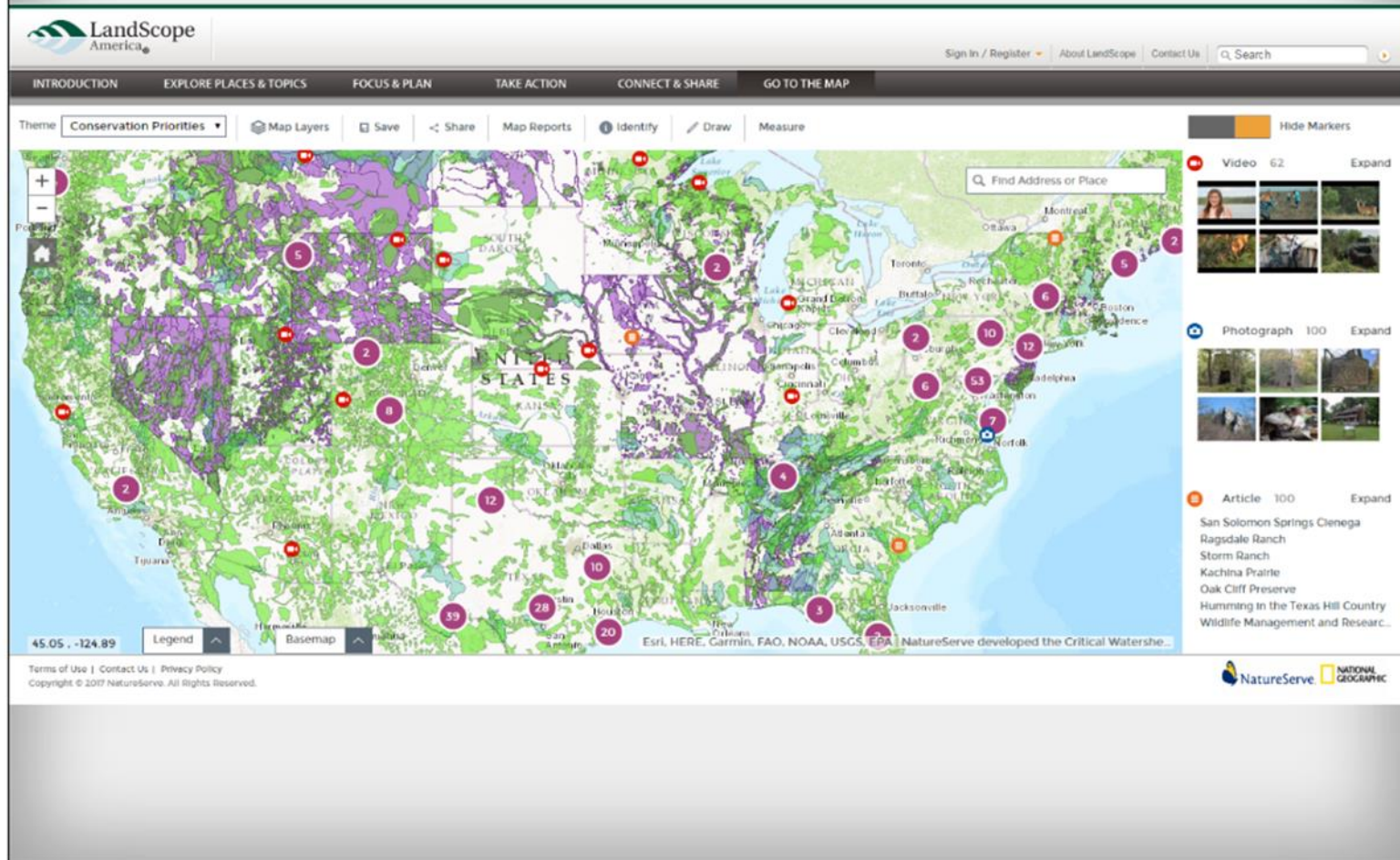
In addition to the map, LandScope America presents:

- Multimedia Content
- Editorial Content
- State and Organization Portals
- Conservation Priority Information

Finding and Mapping Priorities

Within LandScope, layers can be added and managed in several ways, including the following:

- Using the "Map Layers" Function
- Filtering by Theme
- Filtering by Title

Map Layers | Save | Share | Map Reports | ⓘ Identify | ✎ Draw | Measure

What is LandScope America?

Finding and Mapping Priorities

Within LandScope, layers can be added and managed in several ways, including the following:

- Using the "Map Layers" Function
- Filtering by Theme
- Filtering by Title
- Overall Layer Management and Ordering
- Individual Layer Management

Other tools for map management include:

- Identify Features
- Annotate Map / Draw
- Additional options to Measure Features, Change Basemap, and Zoom to Location.

Sharing Conservation Stories

In addition to the core layer management feature, LandScope provides the ability to easily share stories and multimedia related to conservation planning:

Chesapeake Bay Watershed

Basemap

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, C

What is LandScope America?

LandScope America

BACK

Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

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Chesapeake Bay Watershed

Map Layers

THEME Custom

+ Add Layers

Expand All

☑ Chesapeake Bay: Farms

Legend | Basemap

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, Chesapeake

What is LandScope America?

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BACK

Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

Chesapeake Bay Watershed

Add Layers   ×

Search for Layers   ‹ Done

Show layers from theme: Recreation ▼

Filter by Title:

☐ List layers that aren't visible at the current location and zoom level

Add or Remove Layers

Appalachian National Scenic Trail ⑦   ⊕

Appalachian Trail Communities ⑦   ⊕

Appalachian Trail Maintaining Clubs ⑦   ⊕

Chesapeake Bay: Captain John Smith National Historic Trail ⑦   ⊕

Chesapeake Bay: Current and Potential Public Access Sites ⑦   ⊕

Chesapeake Bay: Potomac Heritage Trail ⑦   ⊕

Legend | Basemap

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, Chesapeake

What is LandScope America?

LandScope America

What is LandScope America?

Finding and Mapping Priorities

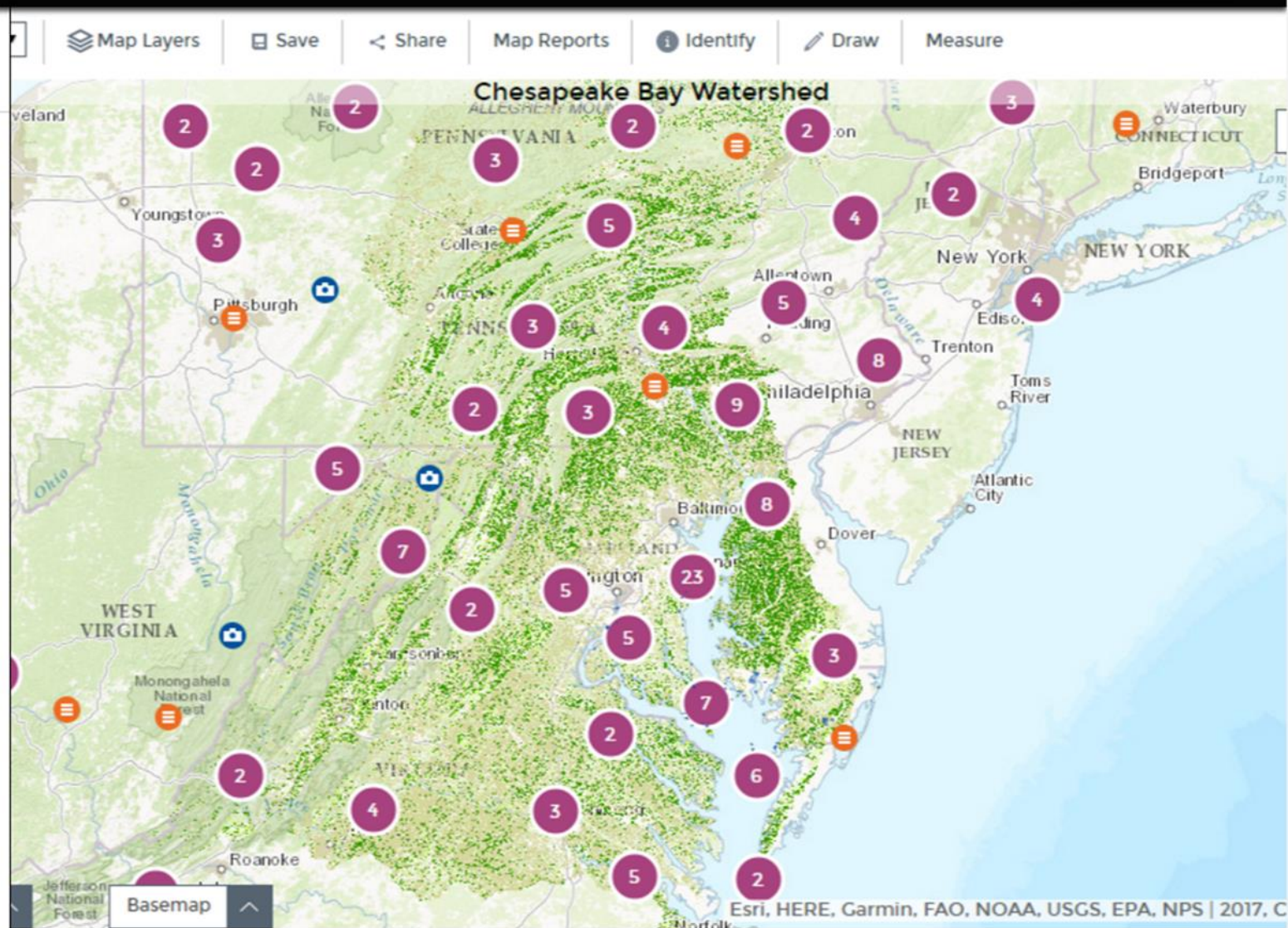Within LandScope, layers can be added and managed in several ways, including the following:
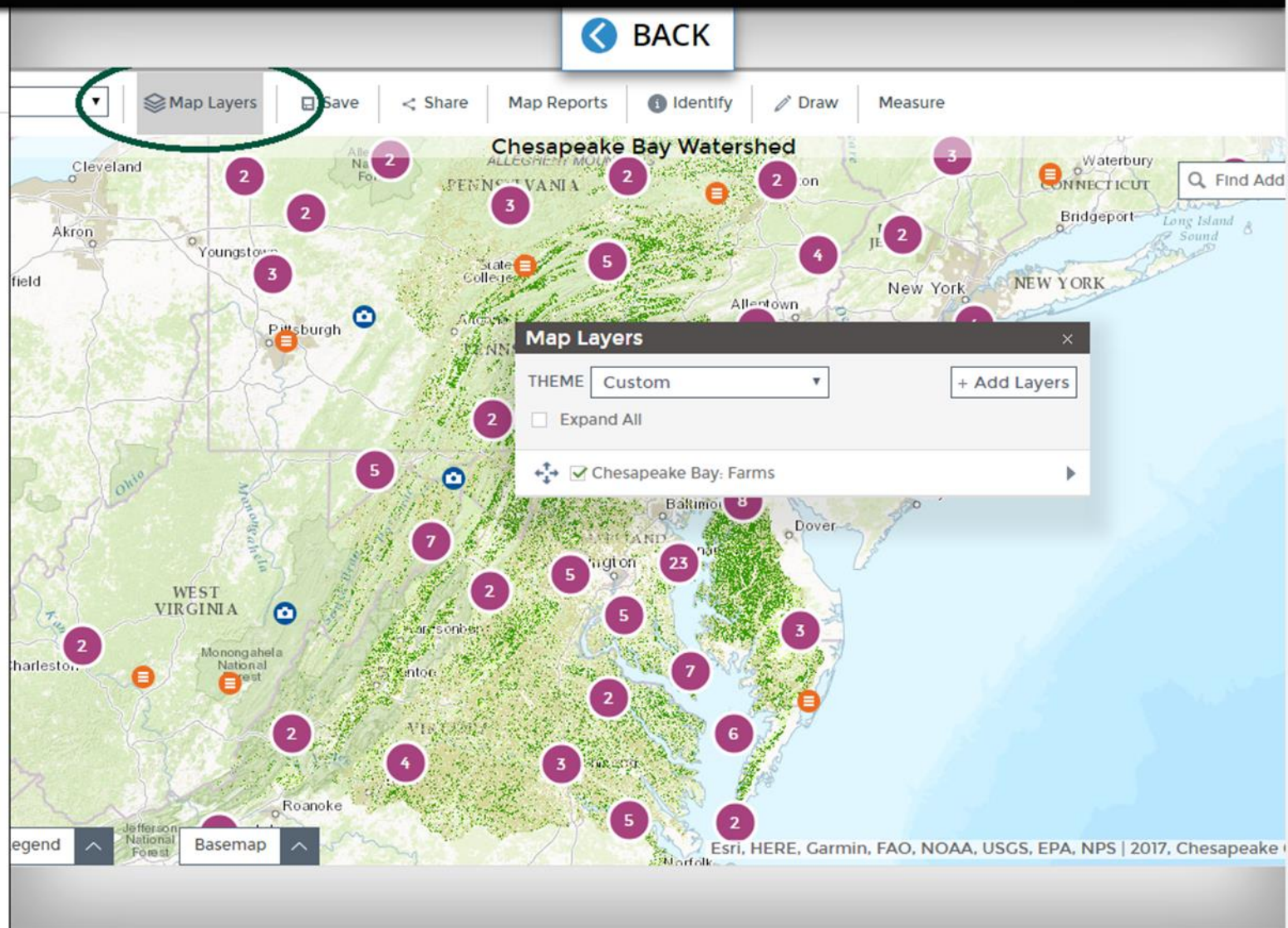
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BACK

Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

Chesapeake Bay Watershed

Add Layers ×

Search for Layers | Done

Show layers from theme: Recreation

Filter by Title: waterfronts

☐ List layers that aren't visible at the current location and zoom level

Add or Remove Layers

MD: Working Waterfronts ?

Legend | Basemap

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, Chesapeake

BACK

What is LandScope America?

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In addition to the core layer management feature, LandScope provides the ability to easily share stories and multimedia related to conservation planning:

Theme Custom ▾ Map Layers Save Share Map Reports Identify Draw Measure

Chesapeake Bay Watershed

Find Address or Place

Map Layers ✕

THEME Custom ▾ + Add Layers

☐ Expand All

☑ Chesapeake Bay: Farms ▸
☑ Chesapeake Bay Watershed ▸
☐ Climate Change Stress Index ▸

Legend Basemap

40.57 , -77.89 Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, Chesapeake Conservation Partnership &...

What is LandScope America?

LandScope America

BACK

▼ | Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

What is LandScope America?

Finding and Mapping Priorities

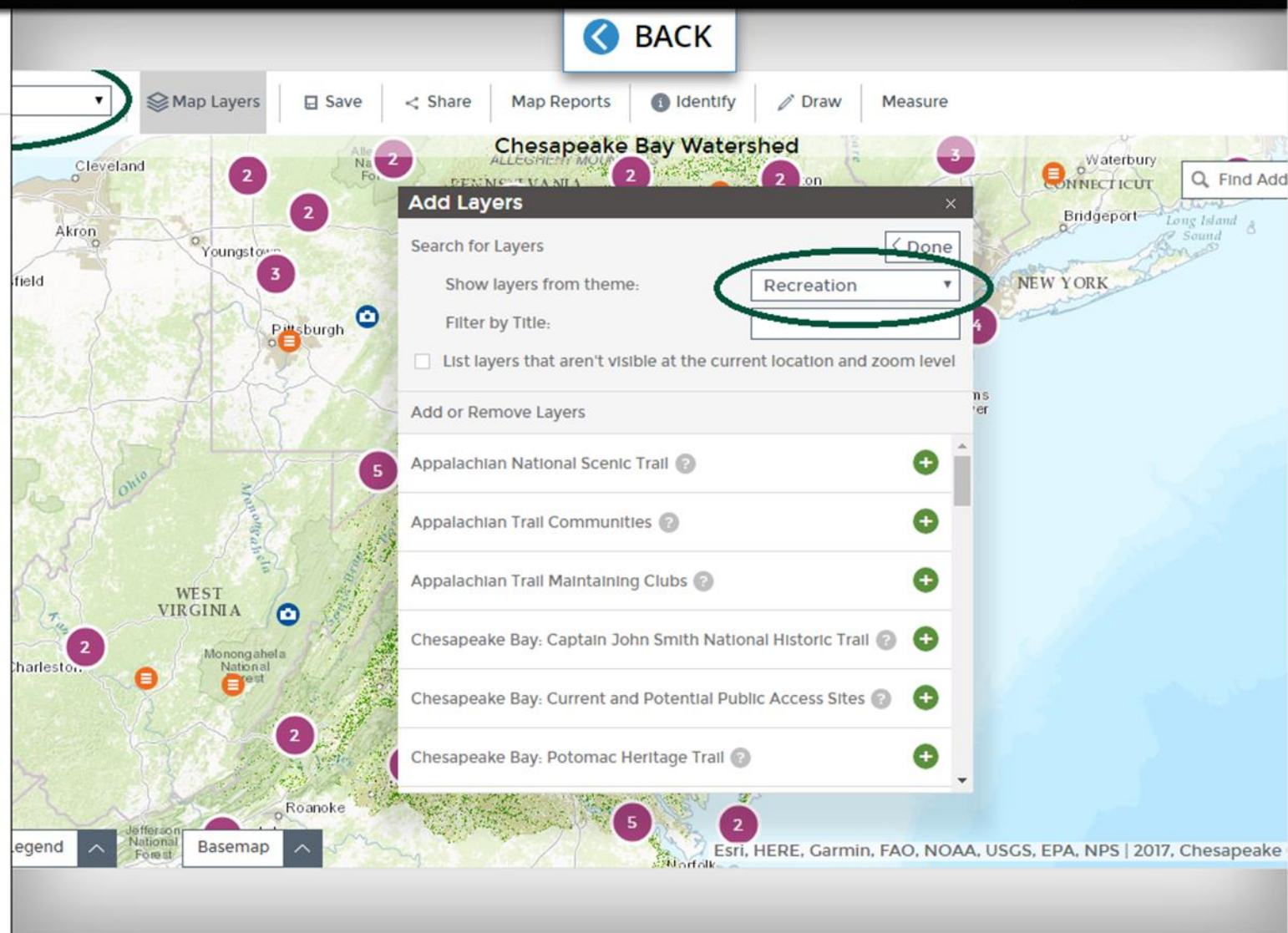Within LandScope, layers can be added and managed in several ways, including the following:

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Chesapeake Bay Watershed

Map Layers ✕

THEME Custom ▼   + Add Layers

☐ Expand All

✦ ☑ MD: Working Waterfronts ▼

Transparent   Opaque   View Layer Details ⊖

MD: Working Waterfronts

✦ ☑ Chesapeake Bay: Farms ▶

Legend   Basemap

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, Chesapeake

Find Add

(1) (2) (3) (4)

What is LandScope America?

LandScope America

What is LandScope America?

- Annotate Map / Draw
- Additional options to Measure Features, Change Basemap, and Zoom to Location.

Sharing Conservation Stories

In addition to the core layer management feature, LandScope provides the ability to easily share stories and multimedia related to conservation planning:

- Save Maps (Including Layers and Notes)
- Share Maps
- View Multimedia

Tracking and Reporting Progress

LandScope map reports allow users to easily access and download concise data reports in specific areas. Map reports are fast and easy to generate:

1. Select Category
2. Select Options (Data Source, Specific Data)
3. Select Area
4. Generate Report
5. Download as PDF

What is LandScope America?

LandScope America

BACK

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Theme | Recreation | Map Layers | Save | Share | Map Reports | Identify | Draw | Measure | Hide Markers

Find Address or Place

Video | 62 | Expand

Save Map

Chesapeake Farmland Priorities

√ Save | X Cancel

Photograph | 100 | Expand

Article | 100 | Expand

San Solomon Springs Cienega
Ragsdale Ranch
Storm Ranch
Kachina Prairie
Oak Cliff Preserve
Humming in the Texas Hill Country
Wildlife Management and Research

41.99 , -120.36 | Legend | Basemap | Esri, HERE, Garmin, FAO, NOAA, USGS, EPA | This layer indicates current administrative bo...

BACK

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Theme Recreation

Map Layers   Save   Share   Map Reports   Identify   Draw   Measure

Hide Markers

Find Address or Place

Share

Share URL: http://bit.ly/2r7NW4t

Video   62   Expand

Photograph   100   Expand

Article   100   Expand

San Solomon Springs Cienega
Ragsdale Ranch
Storm Ranch
Kachina Prairie
Oak Cliff Preserve
Humming in the Texas Hill Country
Wildlife Management and Research

47.21 , -101.29   Legend   Basemap   Esri, HERE, Garmin, FAO, NOAA, USGS, EPA This layer indicates current administrative bo...

BACK

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Theme Custom | Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

Hide Markers

Chesapeake Bay Watershed

Find Address or Place

Video 4

Iron Furnace George Washington National Forest

Zoom to

Photograph 100 Expand

Article 53 Expand

The Little Cove that Could
The Bay-Grass Surprise
Those Dammed Old Rivers
Cleaning up the Bay
Oysters Denitrify the Bay
Conowingo Dam Holds Back Sedim...
Harriet Tubman National Monument
Star-Spangled Banner Trail Connec...
A Ribbon of Blue, A Ribbon of Green

Legend | Basemap

39.39 , -81.05

Esri, HERE, Garmin, FAO, USGS, EPA, NPS

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What is LandScope America?

- Share Maps
- View Multimedia

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Comprehensive reports can be generated on a county, state, or watershed level, and may be viewed in HTML format, or downloaded as a PDF.

Finding a Land Trust

LandScope can also be used in order to identify land trusts operating within certain areas, presenting relevant information. Land trusts can be filtered based on:

- Location, either by State, County, or Watershed

BACK

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Theme | Custom | Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

Chesapeake Bay Watershed

Find Address or Place

Map Reports

Select a report category:

- Ecological Setting
- Species Conservation
- ● Land Protection
- Organizations
- Comprehensive Report

Discover how much land has been protected, and the distribution of protected lands by type of land cover or ownership.

Next

Legend | Basemap

39.11, -77.54

Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS | 2017, Chesapeake Conservation Partnership, N...

What is LandScope America?

LandScope America

BACK

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Theme Custom ▼ | Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

Chesapeake Bay Watershed

Find Address or Place

Map Reports ✕

Land Protection
Reports in this category analyze different data sources depending on your region of interest.
Select a region to analyze:

○ World (coming soon)
○ United States
● Chesapeake Bay Watershed

Source: Chesapeake Bay Program Protected Lands Dataset

Previous | Next

Legend | Basemap

39.52, -77.74

Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS | 2017, Chesapeake Conservation Partnership, N...

BACK

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- View Multimedia

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Chesapeake Bay Watershed

Find Address or Place

Map Reports

Land Protection >> Chesapeake Bay Watershed >> Protected vs. Unprotected Land

Select the type of area to analyze:

- ○ County
- ○ Watershed (HUC12)
- ● State
- ○ The entire Chesapeake Bay

Previous | Finish

Legend | Basemap

39.36 -76.88

Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS | 2017, Chesapeake Conservation Partnership, N...

What is LandScope America?

- Share Maps
- View Multimedia

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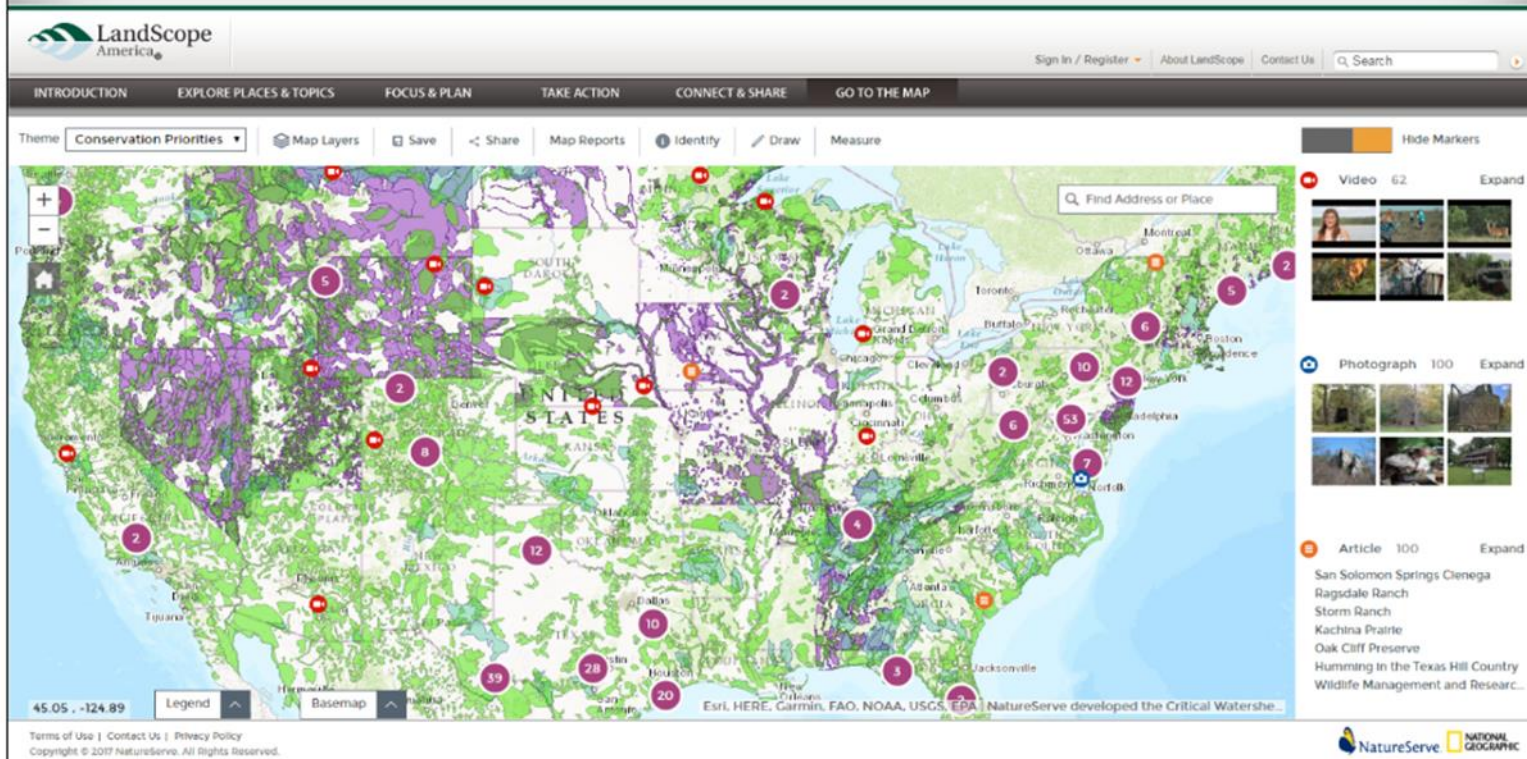
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BACK

Theme Custom ▾   Map Layers   Save   Share   Map Reports   Identify   Draw   Measure

Chesapeake Bay Watershed
Click on the map to select a feature to analyze.

Maryland

Protected Area: 1,653,434 acres (28.3 %)
Unprotected Area: 4,192,223 acres (71.7 %)
Highcharts.com

Total Protected Area: 1,653,434 acres

40.94 , -83.48   Legend   Basemap

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, Chesapeake Conservation Partnership, ...

BACK

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- Share Maps
- View Multimedia

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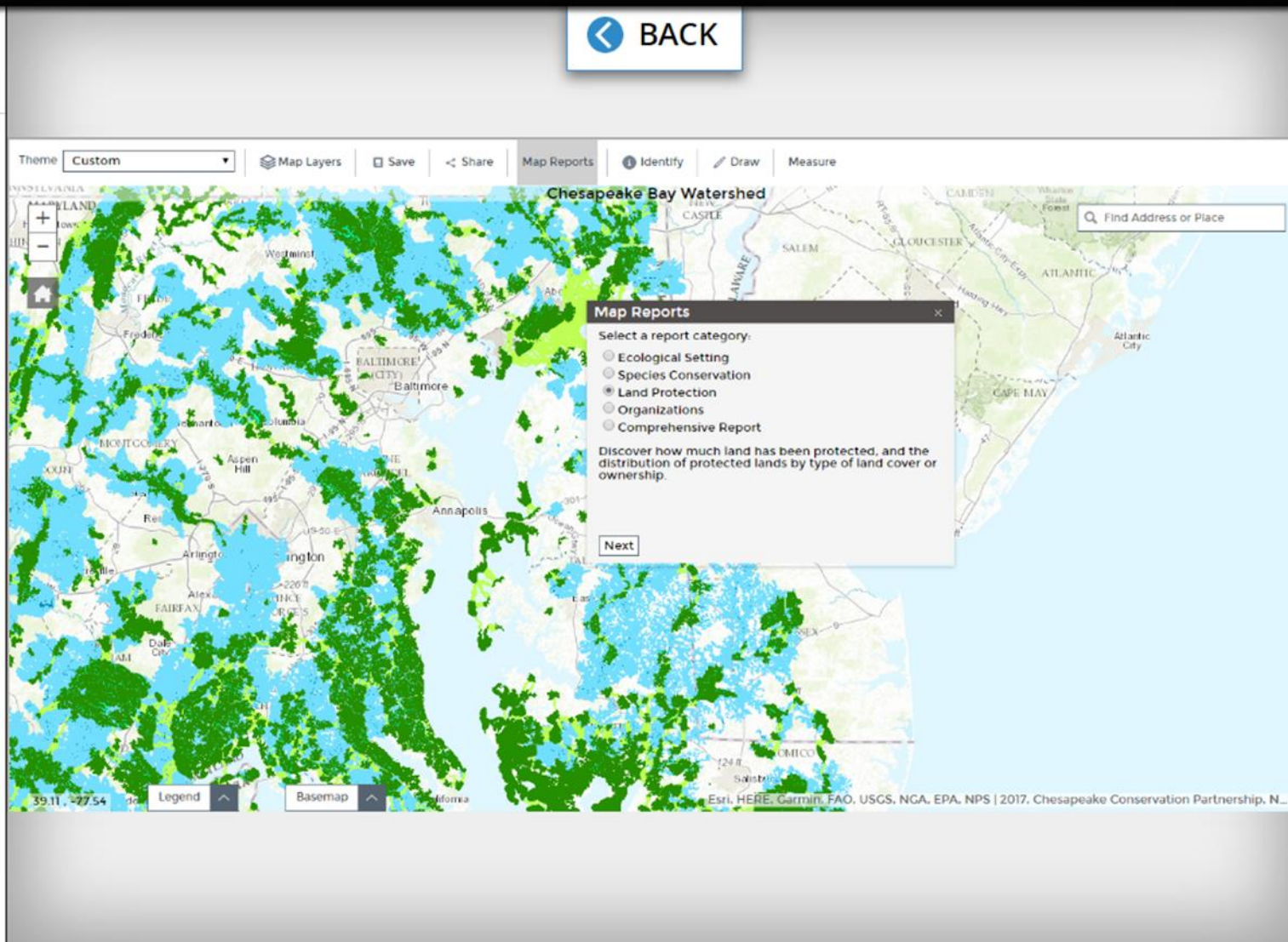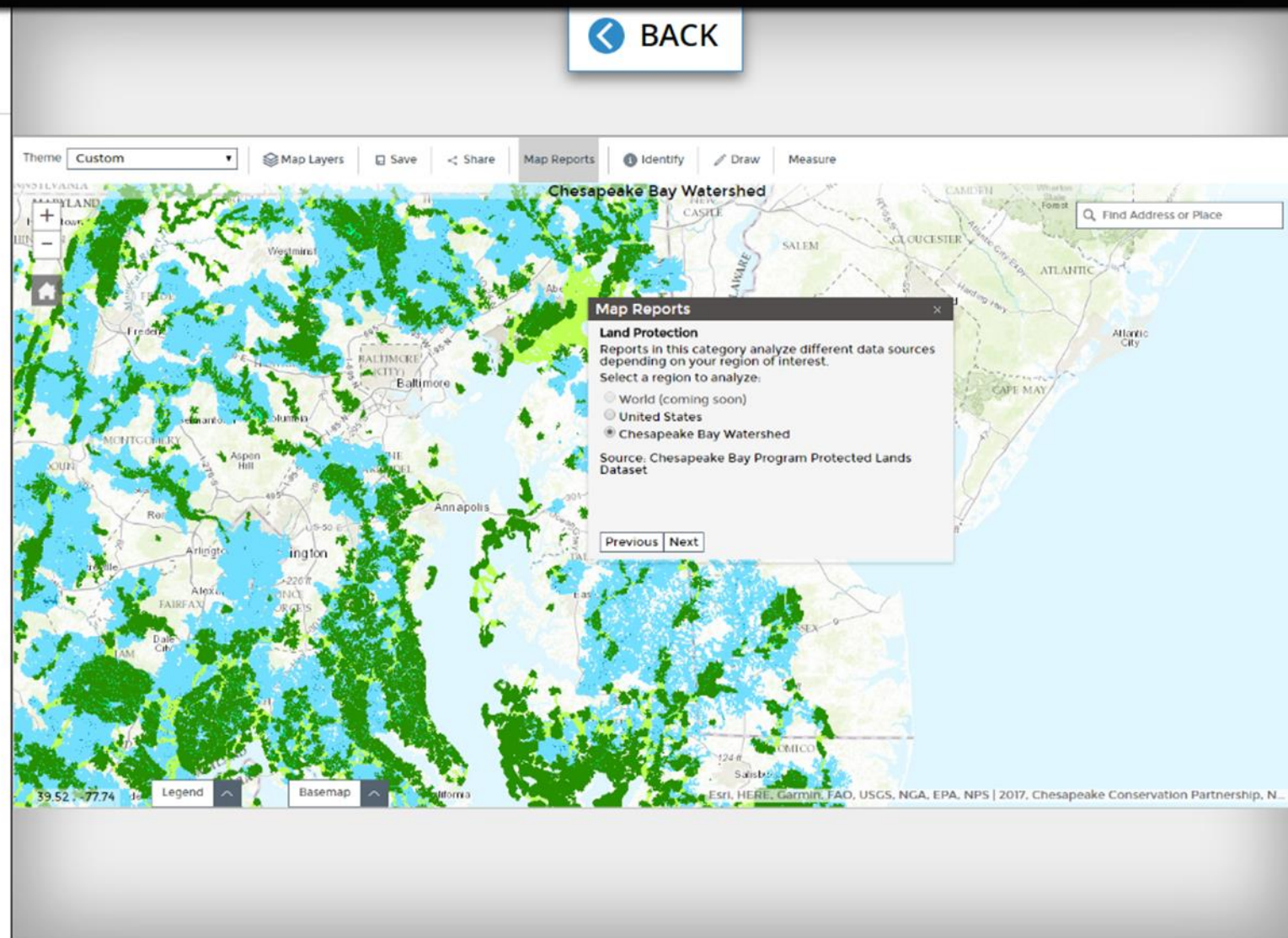
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Theme | Custom | Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

Chesapeake Bay Watershed
Click on the map to select a feature to analyze.

Find Address or Place

Maryland

■ Protected Area: 1,653,434 acres (28.3 %)
■ Unprotected Area: 4,192,223 acres (71.7 %)

Highcharts.com

Total Protected Area: 1,653,434 acres
Total Area: 5,845,656 acres

Learn more about this report

Download PDF

Choose a Different Report

41.39 , -84.23 | Legend | Basemap

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, Chesapeake Conservation Partnership. ...

What is LandScope America?

LandScope America

What is LandScope America?

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- Location, either by State, County, or Watershed
- Name
- Accreditation by Land Trust Alliance
- Acreage Protected
- Manual Selection from List

Organization Portals

LandScope America provides robust, dedicated portals for partner organizations, providing easy access to:

- organization information

---

7 land trusts match

Filter Options   Clear

Limit by land trusts within a:
- ○ State
- ○ County
- ○ Watershed

Currently selected area: Maryland
Select a different area by clicking the map

Name: [   ]

Accredited: ☐

Total Acreage Protected:
[>= ▼] [10000]

Eastern Shore Land Conservancy
Land Trust   MD

Lower Shore Land Trust
Land Trust   MD

Maryland Environmental Trust
Land Trust   MD

Potomac Conservancy
Land Trust   MD

Natural Lands Trust
Land Trust   PA

North American Land Trust
Land Trust   PA

Appalachian Trail Conservancy
Land Trust   WV

Zoom to Address or Place

Details for Lower Shore Land Trust   ✕

Name: Lower Shore Land Trust
Accredited: No
Year Founded: 1990
Address:
    100 River St
    Snow Hill, MD 21863-1025
Phone: (410) 641-4467
Email: info@lowershorelandtrust.org
Organization Website: www.lowershorelandtrust.org
More Details: View on Landscope

Zoom

BACK

What is LandScope America?
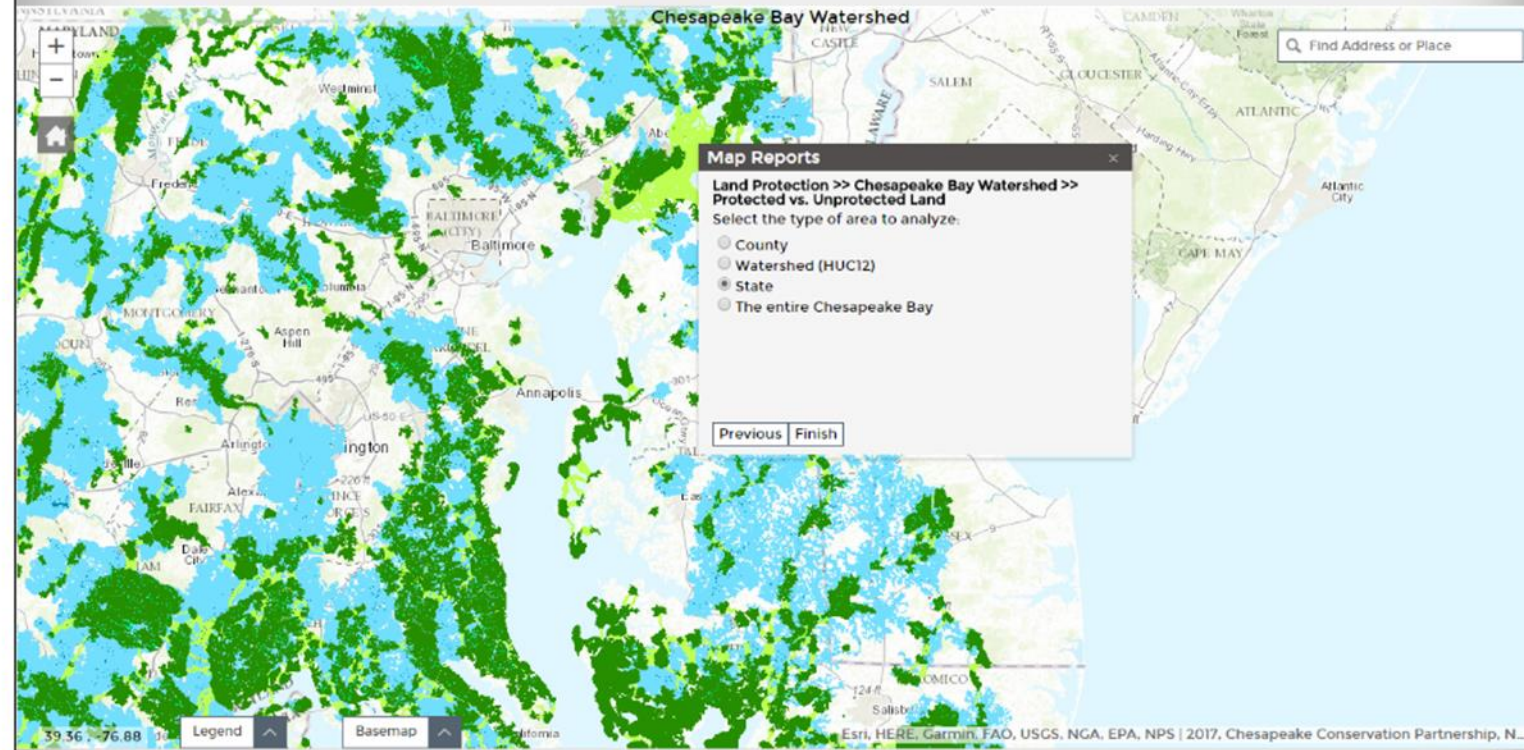
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24 land trusts match

Filter Options   Clear

Limit by land trusts within a:
- ● State
- ○ County
- ○ Watershed

Currently selected area: Maryland
Select a different area by clicking the map
Name: [   ]

Accredited: ☐

Total Acreage Protected:
[>= ▼] [   ]

Nolumbeka Project
Land Trust   MA

American Chestnut Land Trust
Land Trust   MD

Baltimore Green Space
Land Trust   MD

Cecil Land Trust
Land Trust   MD

Conservancy for Charles County
Land Trust   MD

Cove Point Natural Heritage Trust
Land Trust   MD

Eastern Shore Land Conservancy
Land Trust   MD

Greater Sandy Spring Green Space, Inc.
Land Trust   MD

Gunpowder Valley Conservancy
Land Trust   MD

Harford Land Trust
Land Trust   MD

Howard County Conservancy
Land Trust   MD

Kensington Land Trust
Land Trust   MD

Lower Shore Land Trust
Land Trust   MD

Maryland Environmental Trust
Land Trust   MD

NeighborSpace of Baltimore County, Inc.
Land Trust   MD

Patuxent Tidewater Land Trust
Land Trust   MD

Potomac Conservancy

Zoom to Address or Place

What is LandScope America?

LandScope America

BACK

What is LandScope America?

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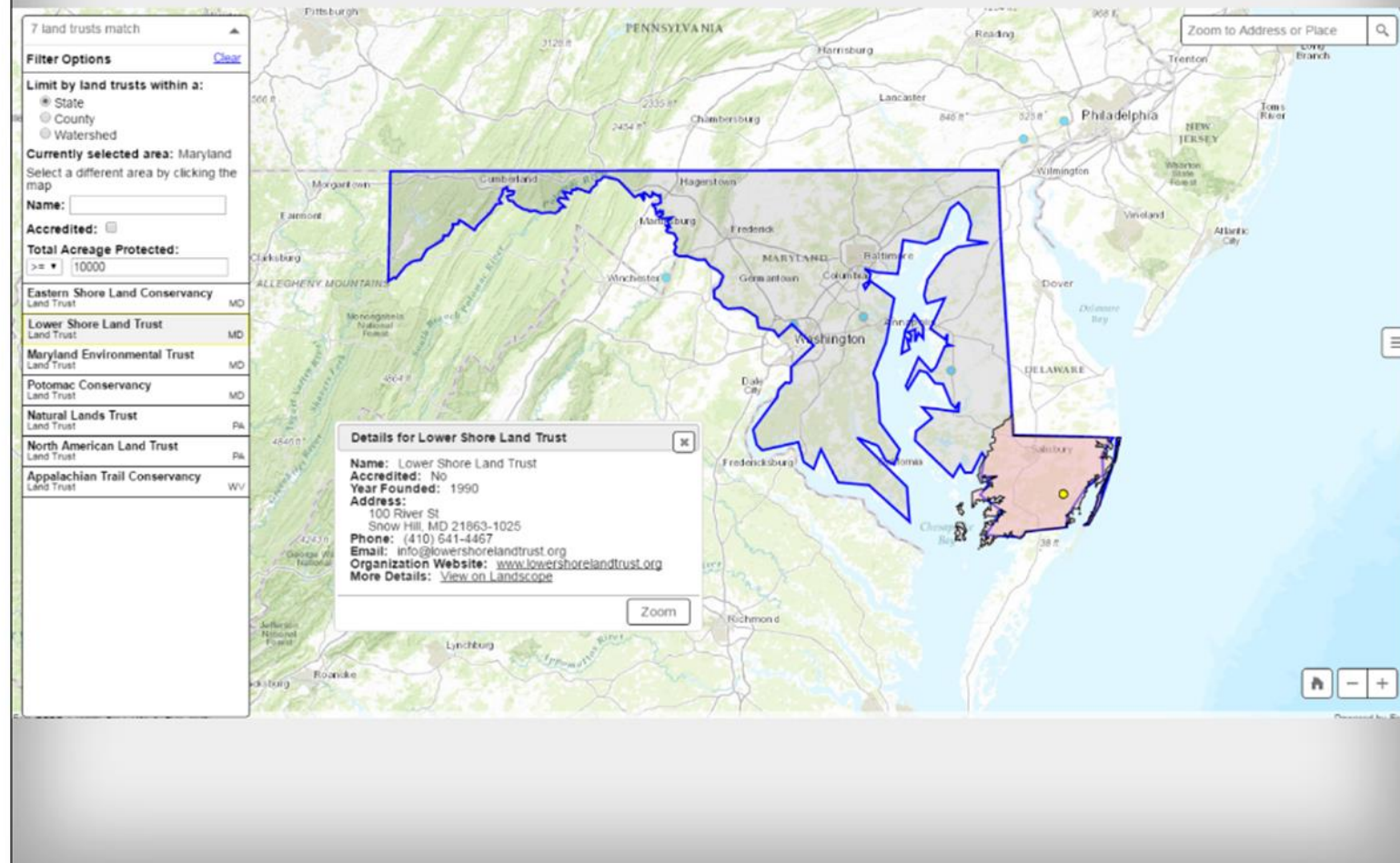
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- Manual Selection from List

Organization Portals

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- organization information

---

12 land trusts match

Filter Options   Clear

Limit by land trusts within a:
- State
- County
- Watershed

Currently selected area: Maryland
Select a different area by clicking the map

Name: Trust

Accredited:

Total Acreage Protected:
>=

American Chestnut Land Trust
Land Trust   MD

Cecil Land Trust
Land Trust   MD

Cove Point Natural Heritage Trust
Land Trust   MD

Harford Land Trust
Land Trust   MD

Kensington Land Trust
Land Trust   MD

Lower Shore Land Trust
Land Trust   MD

Maryland Environmental Trust
Land Trust   MD

Patuxent Tidewater Land Trust
Land Trust   MD

Rockburn Land Trust
Land Trust   MD

Scenic Rivers Land Trust
Land Trust   MD

Natural Lands Trust
Land Trust   PA

North American Land Trust
Land Trust   PA

Zoom to Address or Place

🔙 **BACK**

What is LandScope America?

5. Download as PDF

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- Manual Selection from List

Organization Portals

LandScope America provides robust, dedicated portals for partner organizations, providing easy access to:

- organization information

---

4 land trusts match

Filter Options   Clear

Limit by land trusts within a:
- ◉ State
- ○ County
- ○ Watershed

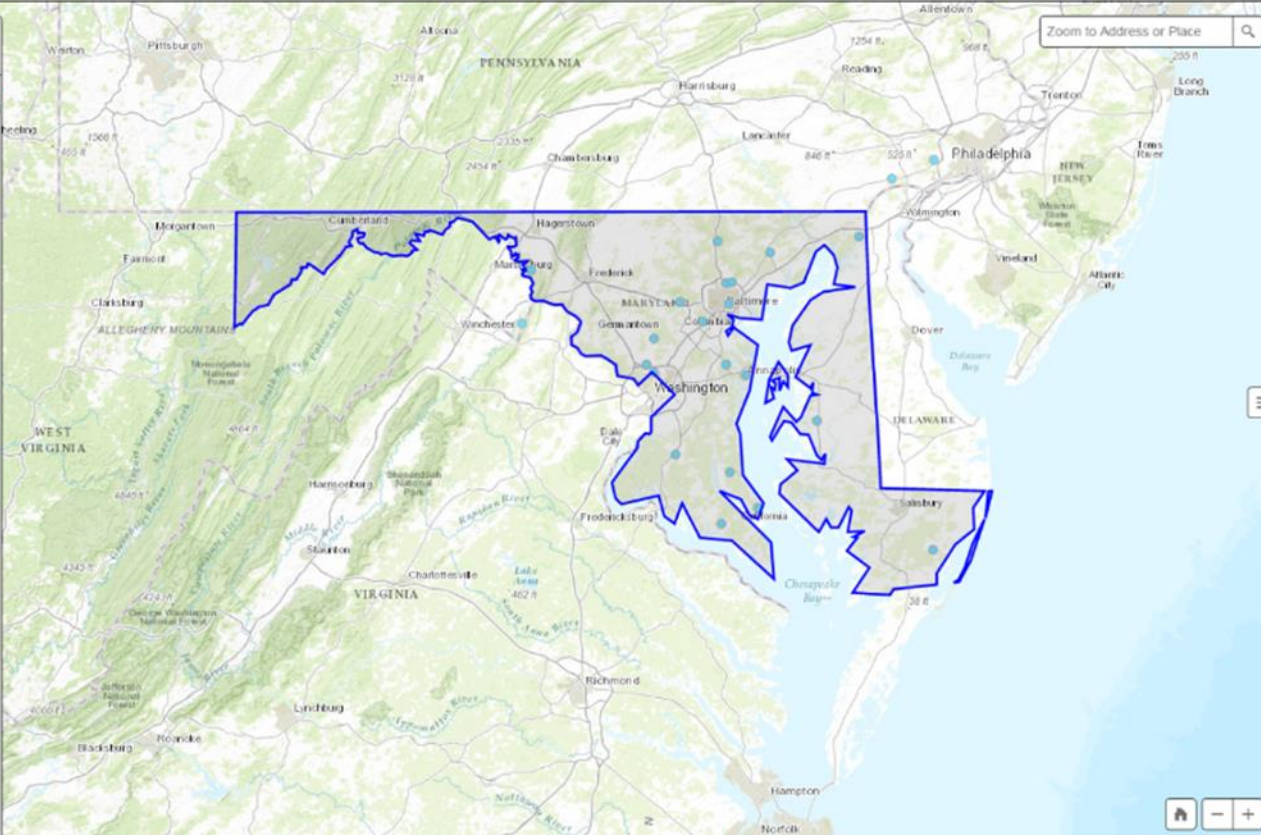**Currently selected area:** Maryland
Select a different area by clicking the map

Name:

Accredited: ☑

Total Acreage Protected:

>= ▾

American Chestnut Land Trust
Land Trust   MD

Eastern Shore Land Conservancy
Land Trust   MD

Potomac Conservancy
Land Trust   MD

Natural Lands Trust
Land Trust   PA

BACK

What is LandScope America?

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Comprehensive reports can be generated on a county, state, or watershed level, and may be viewed in HTML format, or downloaded as a PDF.

Finding a Land Trust

LandScope can also be used in order to identify land trusts operating within certain areas, presenting relevant information. Land trusts can be filtered based on:

- Location, either by State, County, or Watershed
- Name
- Accreditation by Land Trust Alliance
- Acreage Protected
- Manual Selection from List

Organization Portals

LandScope America provides robust, dedicated portals for partner organizations, providing easy access to:

- organization information

---

7 land trusts match

Filter Options   Clear

Limit by land trusts within a:
- State
- County
- Watershed

Currently selected area: Maryland
Select a different area by clicking the map

Name: [   ]

Accredited:

Total Acreage Protected:
[>= ▼] [10000]

Eastern Shore Land Conservancy Land Trust	MD
Lower Shore Land Trust Land Trust	MD
Maryland Environmental Trust Land Trust	MD
Potomac Conservancy Land Trust	MD
Natural Lands Trust Land Trust	PA
North American Land Trust Land Trust	PA
Appalachian Trail Conservancy Land Trust	WV

BACK

What is LandScope America?
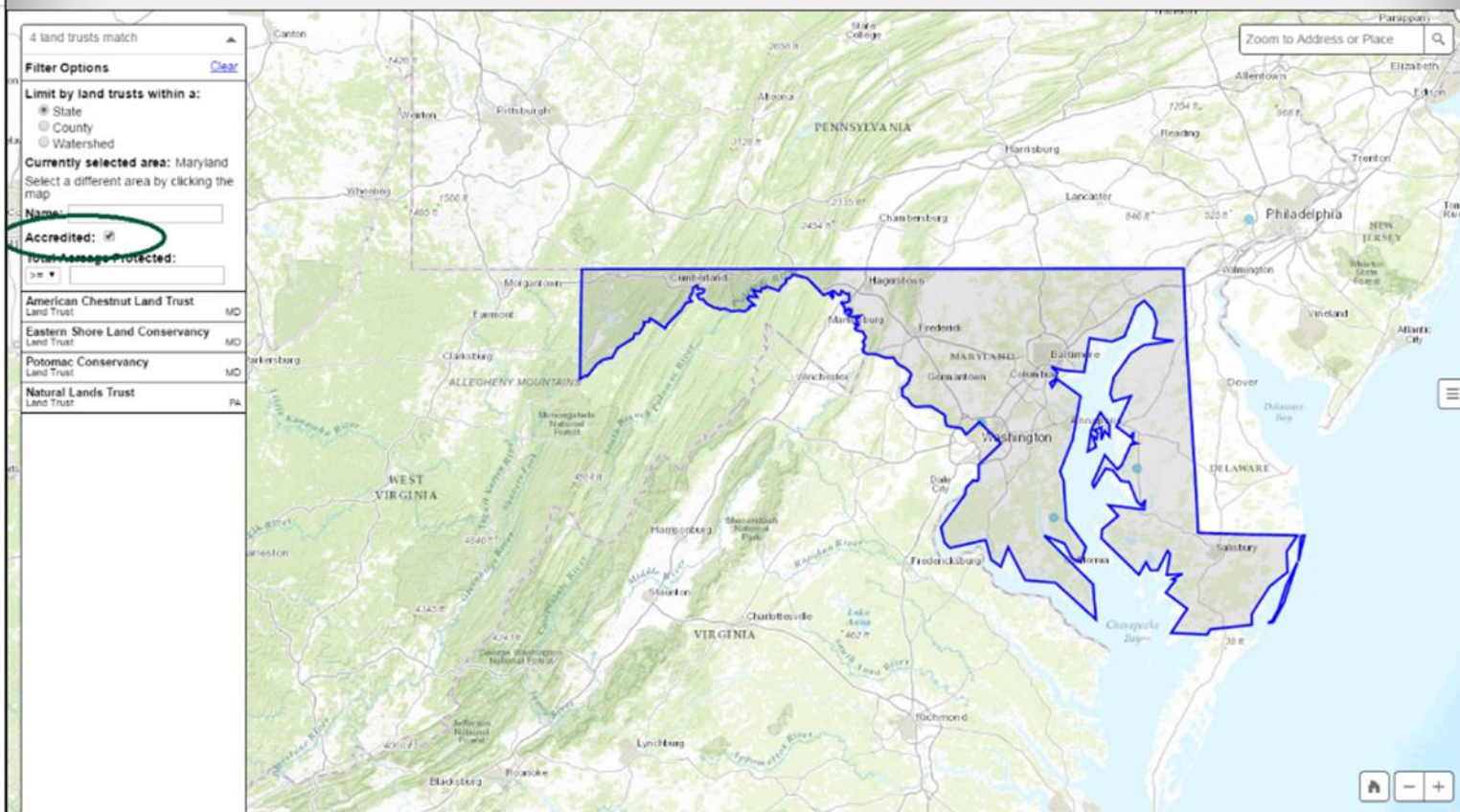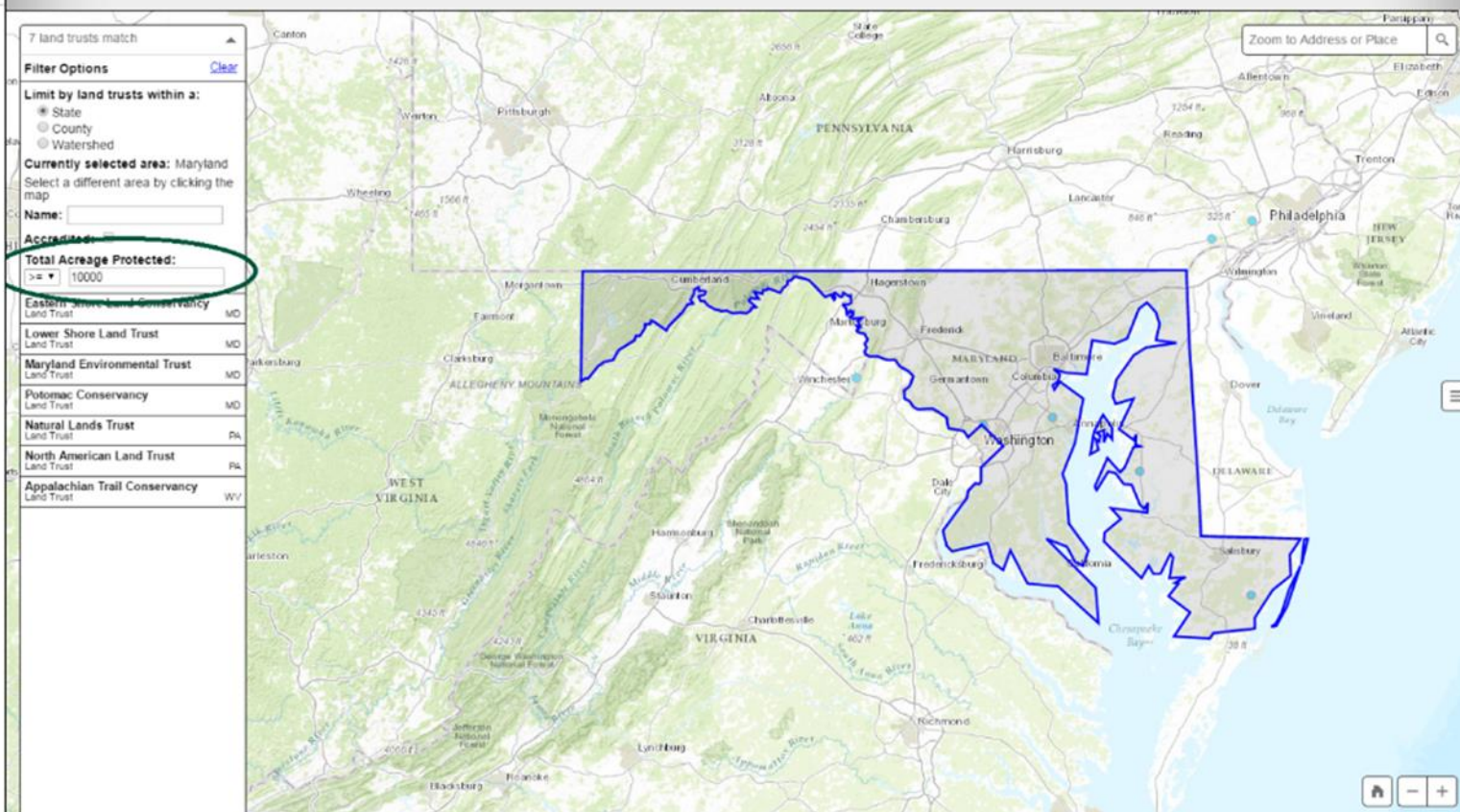
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Filter Options   Clear

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- ○ State
- ○ County
- ○ Watershed

Currently selected area: Maryland
Select a different area by clicking the map

Name: [   ]

Accredited: ☐

Total Acreage Protected:
[>= ▼] [10000]

Eastern Shore Land Conservancy   MD
Land Trust

Lower Shore Land Trust   MD
Land Trust

Maryland Environmental Trust   MD
Land Trust

Potomac Conservancy   MD
Land Trust

Natural Lands Trust   PA
Land Trust

North American Land Trust   PA
Land Trust

Appalachian Trail Conservancy   WV
Land Trust

Zoom to Address or Place [🔍]

Details for Eastern Shore Land Conservancy [✕]

Name: Eastern Shore Land Conservancy
Accredited: Yes
Year Founded: 1990
Address:
114 S Washington St Ste 101
Easton, MD 21601-2962
Phone: (410) 690-4603
Email: info@eslc.org
Organization Website: www.eslc.org
More Details: View on Landscope

[Zoom]

What is LandScope America?

- Location, either by State, County, or Watershed
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Organization Portals

LandScope America provides robust, dedicated portals for partner organizations, providing easy access to:

- organization information
- conservation priorities
- corresponding LandScope data

These portals range from individual organization focused portals to broad collaborations, including **LandScope Chesapeake**.

Conservation Planning Toolkit

Move to dynamic conservation planning with NatureServe Vista, a free tool that integrates conservation considerations with many types of dynamic planning.

LandScope
Appalachian Trail Conservancy

APPALACHIAN TRAIL CONSERVANCY®

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NORTH AMERICA

- **Appalachian Trail Conservancy Home**

Partners

Conservation Priorities

Landscape Protection

We work with our partners to safeguard the picturesque vistas, wildlife habitat, farmlands and valuable historic sites that are all part of the Appalachian Trail experience

Protection of land along the Appalachian Trail (A.T.) has been a priority for Trail managers ever since the Trail was established, and we have worked with state and federal agencies since 1982 to protect the lands surrounding the A.T. This has resulted in one of the most significant and successful land acquisition programs in the United States, and today there is a 250,000 acre greenway around the Trail that connects significant public lands in the eastern United States.

Land protection for the treadway is almost complete, but we remain vigilant of development in the viewshed, especially at some of the most stunning overlooks on the Trail. We continue to work with federal, state and multiple private partners to acquire additional lands that complete the protection of the corridor, and safeguard the picturesque vistas, wildlife habitat, farmlands and valuable historic sites that are all part of the Trail experience.

Land protection is accomplished through active monitoring of the protected Trail corridor boundary, management of land held by the ATC's land trust, and supporting a network of volunteers who monitor proposals for incompatible development in the A.T. viewshed.

Conservation Priorities

1 2 3 4

What is LandScope America?

LandScope America

What is LandScope America?

- Acreage Protected
- Manual Selection from List
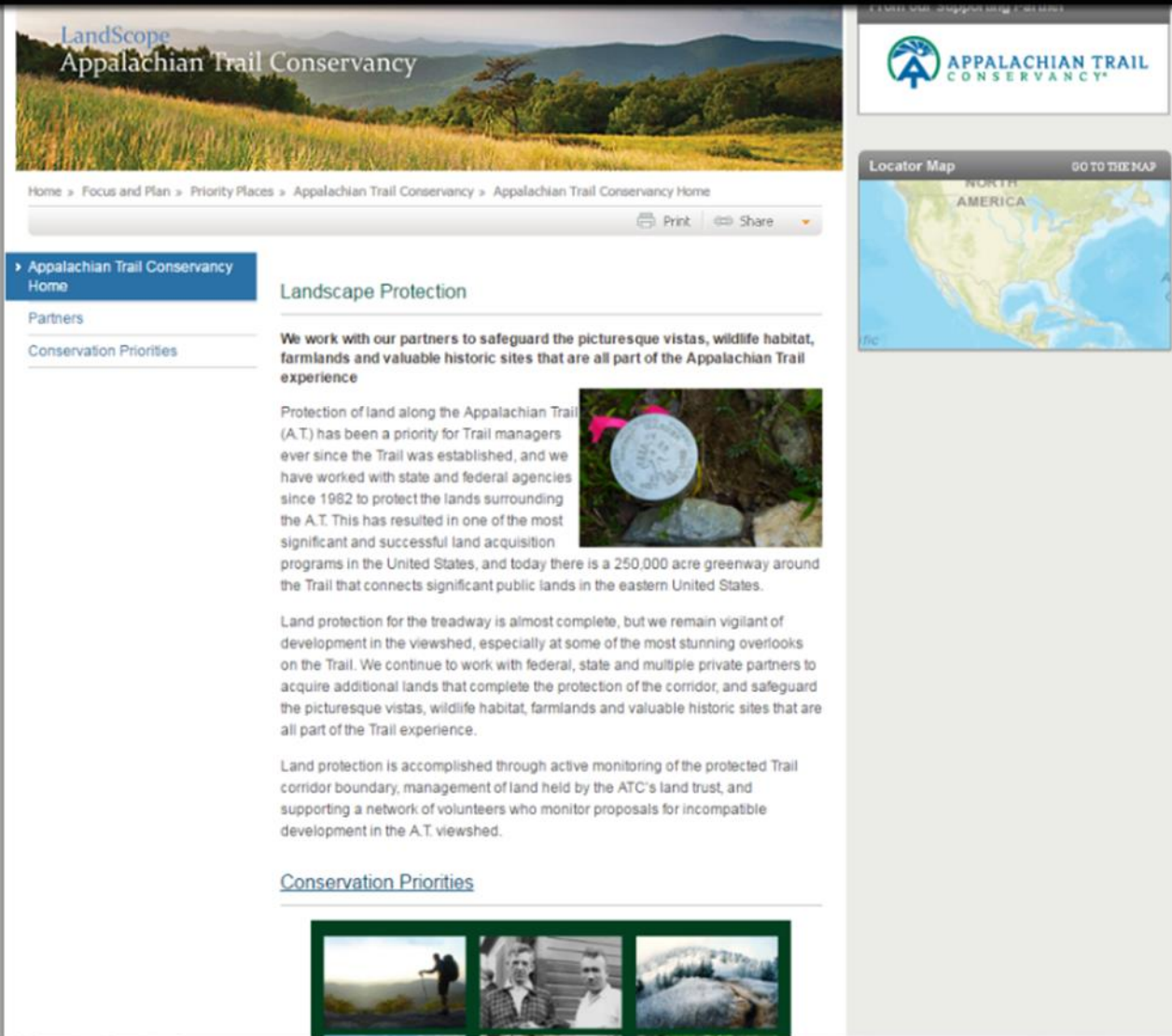
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Ongoing developments focus on integrating LandScope with Vista, an ArcMap extension and powerful scenario-based assessment and planning tool.
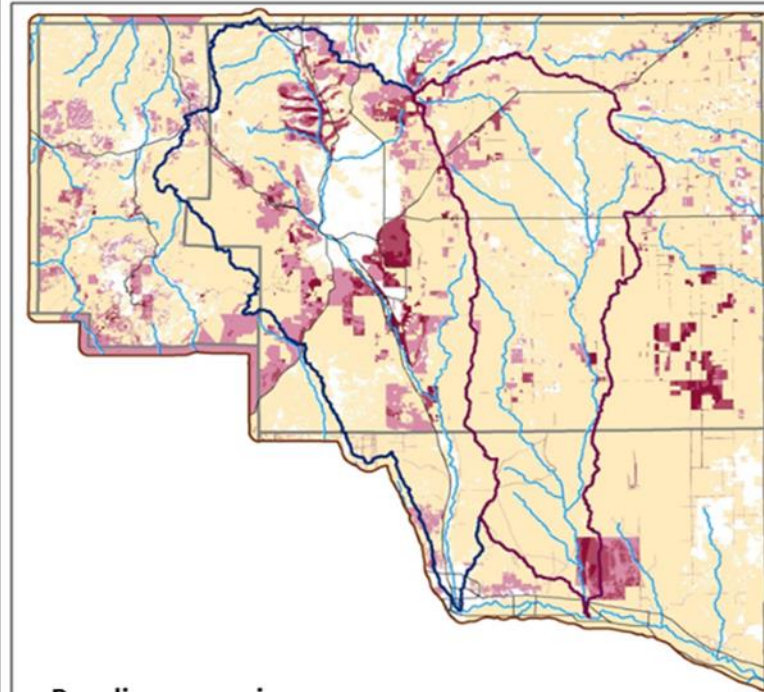
Baseline scenario
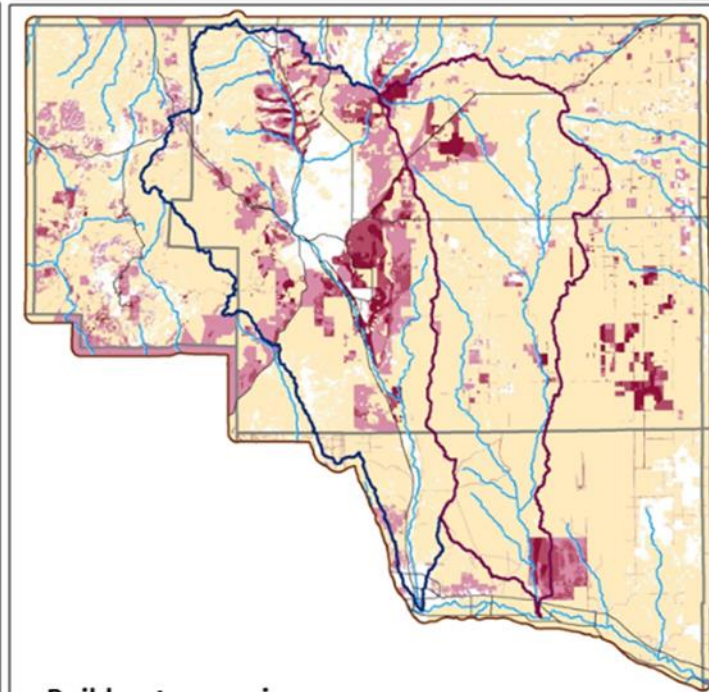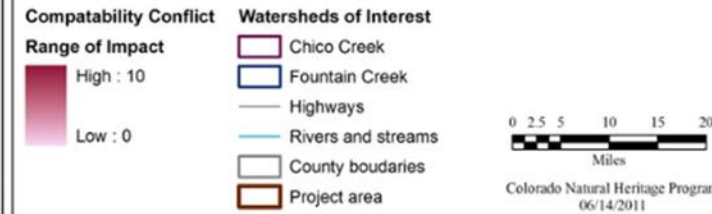
Compatability Conflict
Range of Impact

High : 10

Low : 0

Watersheds of Interest

Chico Creek
Fountain Creek
Highways
Rivers and streams
County boudaries
Project area

0 2.5 5   10   15   20
Miles

Colorado Natural Heritage Program
06/14/2011

Build out scenario

Compatability Conflict
Range of Impact

High : 10

Low : 0

Watersheds of Interest

Chico Creek
Fountain Creek
Highways
Rivers and streams
County boudaries
Project area

0 2.5 5   10   15   20
Miles

Colorado Natural Heritage Program
06/14/2011

What is LandScope Chesapeake?

The Chesapeake Conservation Partnership

LandScope Chesapeake is the result of collaboration by the Chesapeake Conservation Partnership. The Chesapeake Conservation Partnership is:

- A regional coalition of over 50 diverse organizations.
- A collaboration of all six watershed states and DC including federal and state agencies, local governments, Native American tribes and non-profit organizations.
- Dedicated to the goals of the 2014 Chesapeake Bay Watershed Agreement.
  - Protecting an additional two million acres throughout the watershed by 2025.
  - Adding 300 new public access sites by 2025.

What is LandScope Chesapeake?

LandScope Chesapeake is a customized portal in LandScope America, with

The Chesapeake Conservation Partnership

○ Adding 300 new public access sites by 2025.

What is LandScope Chesapeake?

LandScope Chesapeake is a customized portal in LandScope America, with emphasis on the Chesapeake Bay. LandScope Chesapeake is a tool for **guiding conservation planning**, and for **tracking conservation progress**.

Specifically, LandScope Chesapeake aims to:

- Provide localized, in-depth data relating to the Chesapeake Bay.
- Create a publicly accessible, watershed-wide land conservation priority system.
- Support collaboration among partners in land conservation efforts throughout the region

Guiding Conservation Planning

LandScope Conservation is meant to guide conservation planning by presenting in-depth data on priorities in the Chesapeake Bay watershed region.

INTRODUCTION   EXPLORE PLACES & TOPICS   FOCUS & PLAN   TAKE ACTION   CONNECT & SHARE   GO TO THE MAP

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Chesapeake CONSERVATION PARTNERSHIP

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Conservation Partners
Chesapeake Bay States

Chesapeake CONSERVATION PARTNERSHIP

WHAT IS THE CHESAPEAKE CONSERVATION PARTNERSHIP

The Chesapeake Conservation Partnership is a regional coalition of over 50 diverse organizations engaged in land conservation and related fields within the Chesapeake Bay watershed. Since 2009 the Partnership has connected representatives from all six watershed states and DC including federal and state agencies, local governments, Native American tribes and non-profit organizations. learn more

CONSERVATION GOALS

The Chesapeake Conservation Partnership has identified long-term landscape conservation goals for achieving a vision of a vibrant, healthy and sustainable Chesapeake region. These goals encompass values that have been documented through many public processes. They recognize all is interconnected — a vibrant economy, strong communities, healthy people, working farms and forests, vital habitat for native wildlife, clean water, our shared heritage, recreation and quality of life.

FARM   FOREST   HABITAT   HERITAGE   HEALTH

Choose a conservation goal to learn more!

PROGRESS IN THE CHESAPEAKE AS OF OCTOBER 2016

PROTECTED LAND   PROTECTED LAND   Public Access

50.2% 49.8%   **1,004,577** newly conserved acres since 2010   **108 NEW** public access sites since 2010

The Chesapeake Conservation Partnership

throughout the region

Guiding Conservation Planning

LandScope Conservation is meant to guide conservation planning by presenting in-depth data on priorities in the Chesapeake Bay watershed region.

LandScope Chesapeake presents data on five in-depth **conservation priorities:**

- Forests
- Farms
- Habitat
- Heritage
- Human Health

LandScope Chesapeake provides a carefully curated collection of map data on each goal and the various federal, state, and local conservation priorities that contribute to them.

Chesapeake Bay: Forests

Our Goal:

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LandScope Chesapeake Home

Conservation Summary

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   Habitats

   Farms

   Human Health

   Heritage

   Forests

Featured Places

Protected Areas

Conservation Partners

Chesapeake Bay States

Conservation Goals

The Chesapeake Conservation Partnership has identified long-term landscape conservation goals for achieving a vision of a vibrant, healthy and sustainable Chesapeake region. These goals are intended to encompass the values that have already been documented through many public processes -- from strategic and/or comprehensive plans to published studies and reports to formal designations by multiple levels of government. The goals are organized around five broad categories--Farms, Forests, Habitat, Heritage and Human Health--that encompass landscape level land protection concerns.

Our goals set out what is needed over the long term -- principally in terms of our relationship with the land and all it includes. They recognize all is interconnected -- a vibrant economy, strong communities, healthy people, working farms and forests, vital habitat for native wildlife, clean water, our shared heritage, recreation and quality of life. We treasure all these values, while we focus on select goals -- not as disconnected parts, but as parts of the whole, inextricably linked. In fact, in many places on the land multiple values overlap, bringing those with diverse interests together to work toward their conservation. These goals help drive our conservation work. We illustrate and map where these values exist. We collaborate in conserving these values, building the resources to do so. We track and celebrate progress.

To support collaboration toward these goals LandScope Chesapeake provides a carefully curated collection of map data on each goal and the various federal, state, and local conservation priorities that contribute to them.

Conservation Goals

Conservation Priority: Farms

OUR GOAL: Protect the Chesapeake watershed's productive farms and prime farmland from

---

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Chesapeake CONSERVATION PARTNERSHIP

Locator Map   GO TO THE MAP

NORTH AMERICA

What is LandScope Chesapeake?

LandScope Chesapeake

The Chesapeake Conservation Partnership

that contribute to them.

Chesapeake Bay: Forests

Our Goal:

Protect the Chesapeake watershed's most ecologically and economically valuable forest land from conversion — headwater and riparian forests, large forest blocks, woodlots providing multiple values, and highly productive timber growing soils.
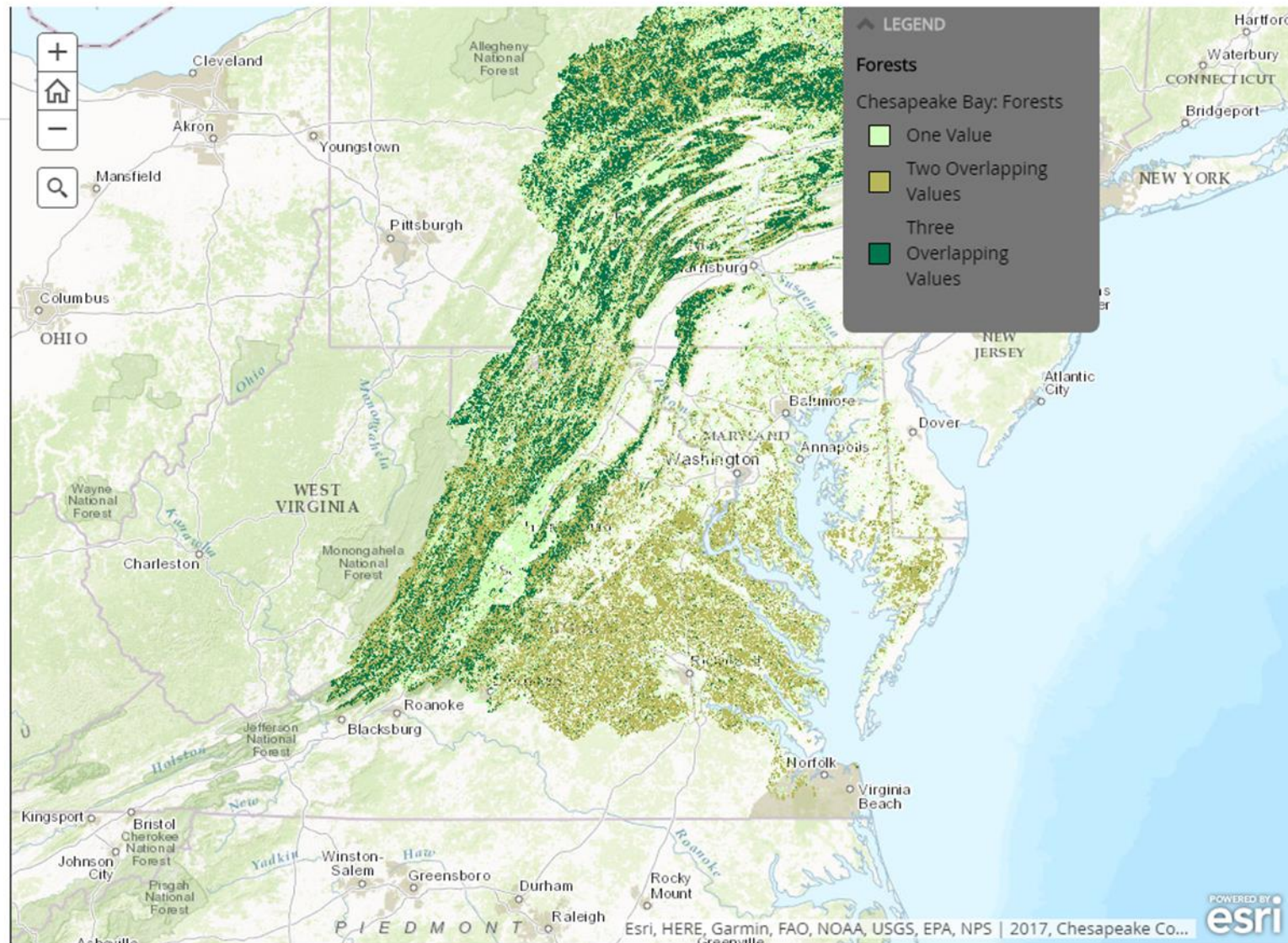
The Map:

Darker colors are high-priority areas determine by overlapping values of forest traits.

More Information:

More information is available at
http://www.landscope.org/chesapeake/Priorities/Forests/

Chesapeake Bay: Farms

Our Goal:

LEGEND

Forests

Chesapeake Bay: Forests

One Value

Two Overlapping Values

Three Overlapping Values

① ② ③ ④

What is LandScope Chesapeake?

LandScope Chesapeake

The Chesapeake Conservation Partnership

http://www.landscope.org/chesapeake/Priorities/Forests/

Chesapeake Bay: Farms

Our Goal:

Protect the Chesapeake watershed's productive farms and prime farmland from conversion and secure space for urban farming to ensure sustainable sources of food for the region's population and to support the economic and cultural value of our working farms and farmers.

The Map:

Colors represent different high-priority farmland features.

More Information:

More information is available at
http://www.landscope.org/chesapeake/Priorities/Farms/

Chesapeake Bay: Habitats

Our Goal:

LEGEND

Farms

Chesapeake Bay: Farms

■ Prime/Farmland of Importance, Farmed

■ Farmed

■ Prime/Farmland of Importance, not farmed

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | 2017, Chesapeake Co...

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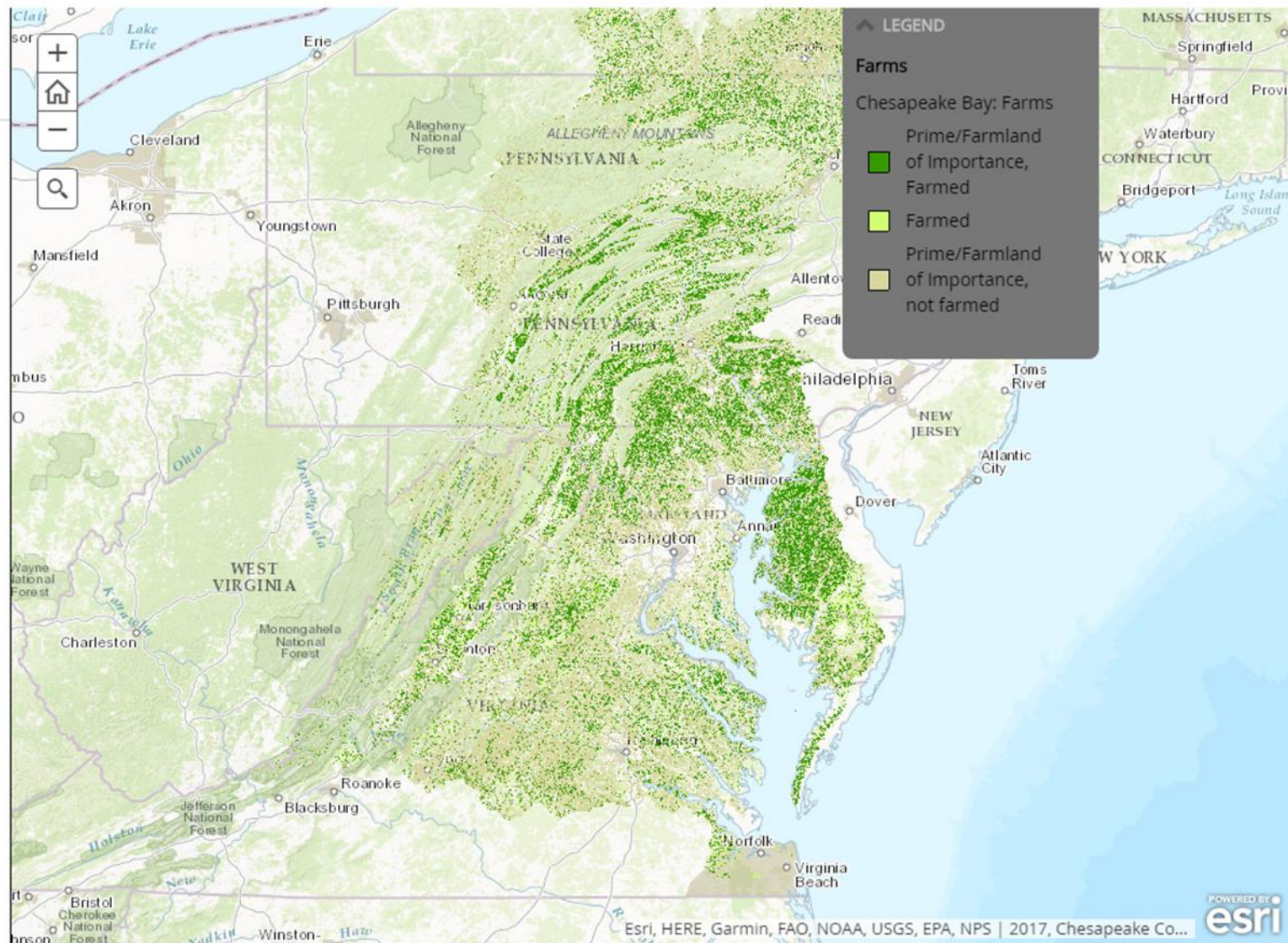
More Information:

More information is available at
http://www.landscope.org/chesapeake/Priorities/Farms/

Chesapeake Bay: Habitats

Our Goal:

Protect a network of large natural areas and corridors sufficient to allow nature to respond to a changing climate and land development and to support thriving populations of wildlife.

The Map:

Colors represent aspects of natural corridors, both aquatic and terrestrial.

More Information:
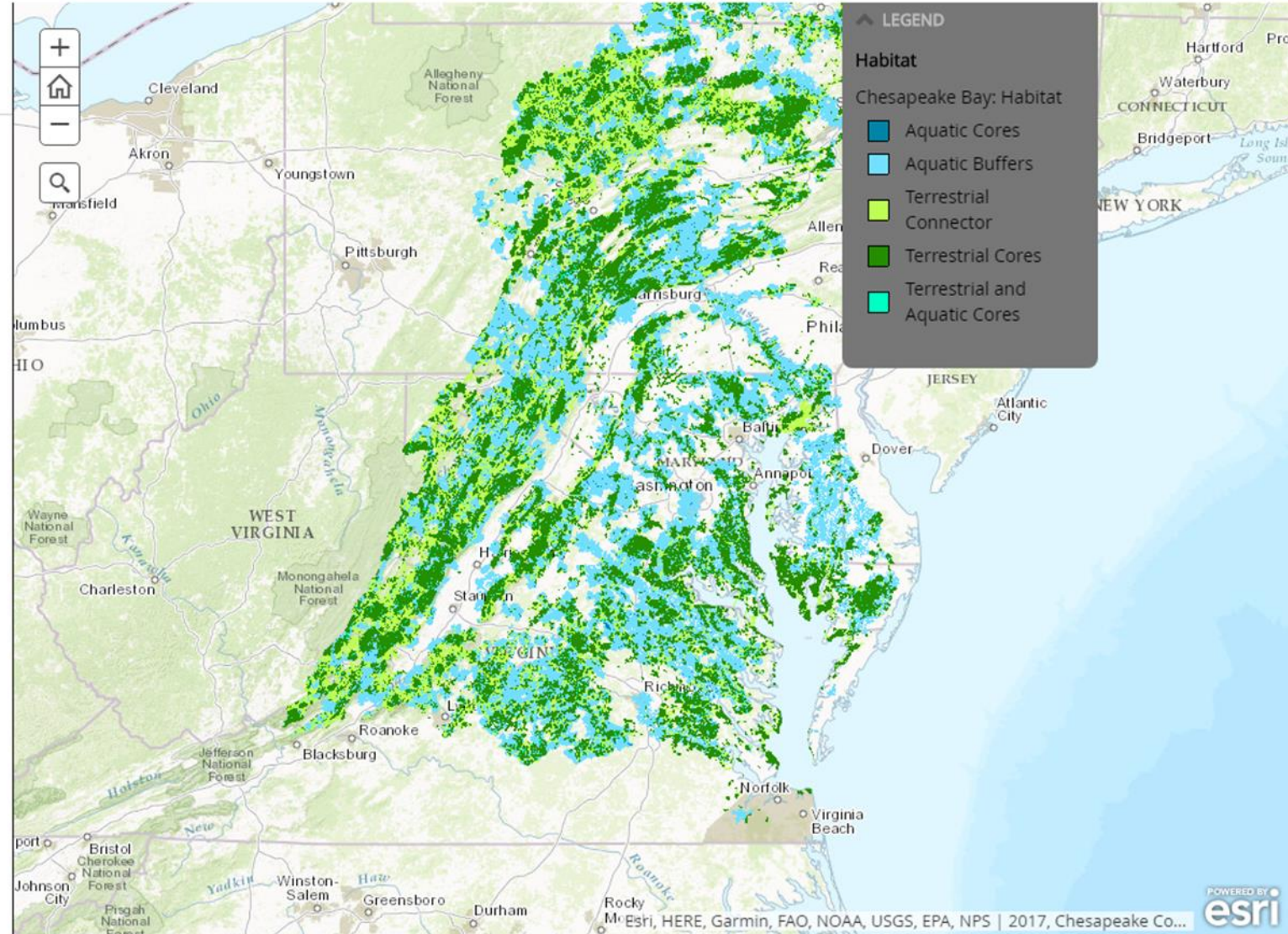
More information is available at
http://www.landscope.org/chesapeake/Priorities/Habitat/

Chesapeake Bay: Heritage

LEGEND

Habitat

Chesapeake Bay: Habitat

- Aquatic Cores
- Aquatic Buffers
- Terrestrial Connector
- Terrestrial Cores
- Terrestrial and Aquatic Cores

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The Chesapeake Conservation Partnership

More information is available at
http://www.landscope.org/chesapeake/Priorities/Habitat/

Chesapeake Bay: Heritage

Our Goal:

Protect the treasured landscapes of our collective heritage from development that would alter the scenery and character that conveys their importance -- along our designated trails and scenic rivers and byways, at our parks, and throughout our state and national heritage areas, valued cultural landscapes and historic districts.
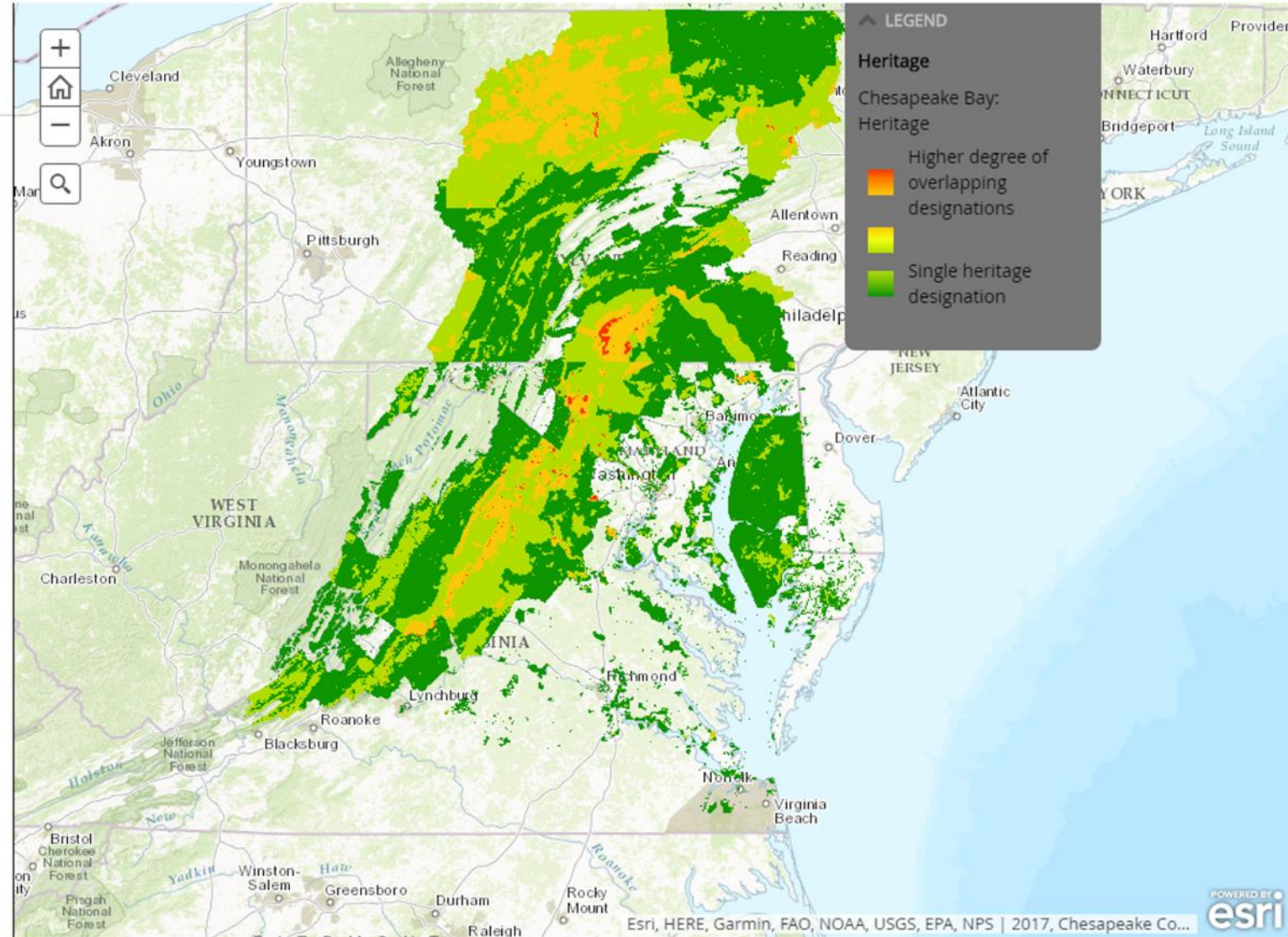
The Map:

Graduated colors represent areas of progressively greater overlap between heritage designations.

More Information:

More information is available at
http://www.landscope.org/chesapeake/Priorities/Heritage/

Chesapeake Bay: Human Health

LEGEND

Heritage

Chesapeake Bay: Heritage

Higher degree of overlapping designations

Single heritage designation

The Chesapeake Conservation Partnership

More information is available at
http://www.landscope.org/chesapeake/Priorities/Heritage/

Chesapeake Bay: Human Health

Our Goal:

Provide people access to parks and trail networks within walking and biking distance of their homes and communities. Provide sufficient opportunities along waterways to ensure nearly all residents are within 30 minutes of reaching a public access site at water's edge.

The Map:
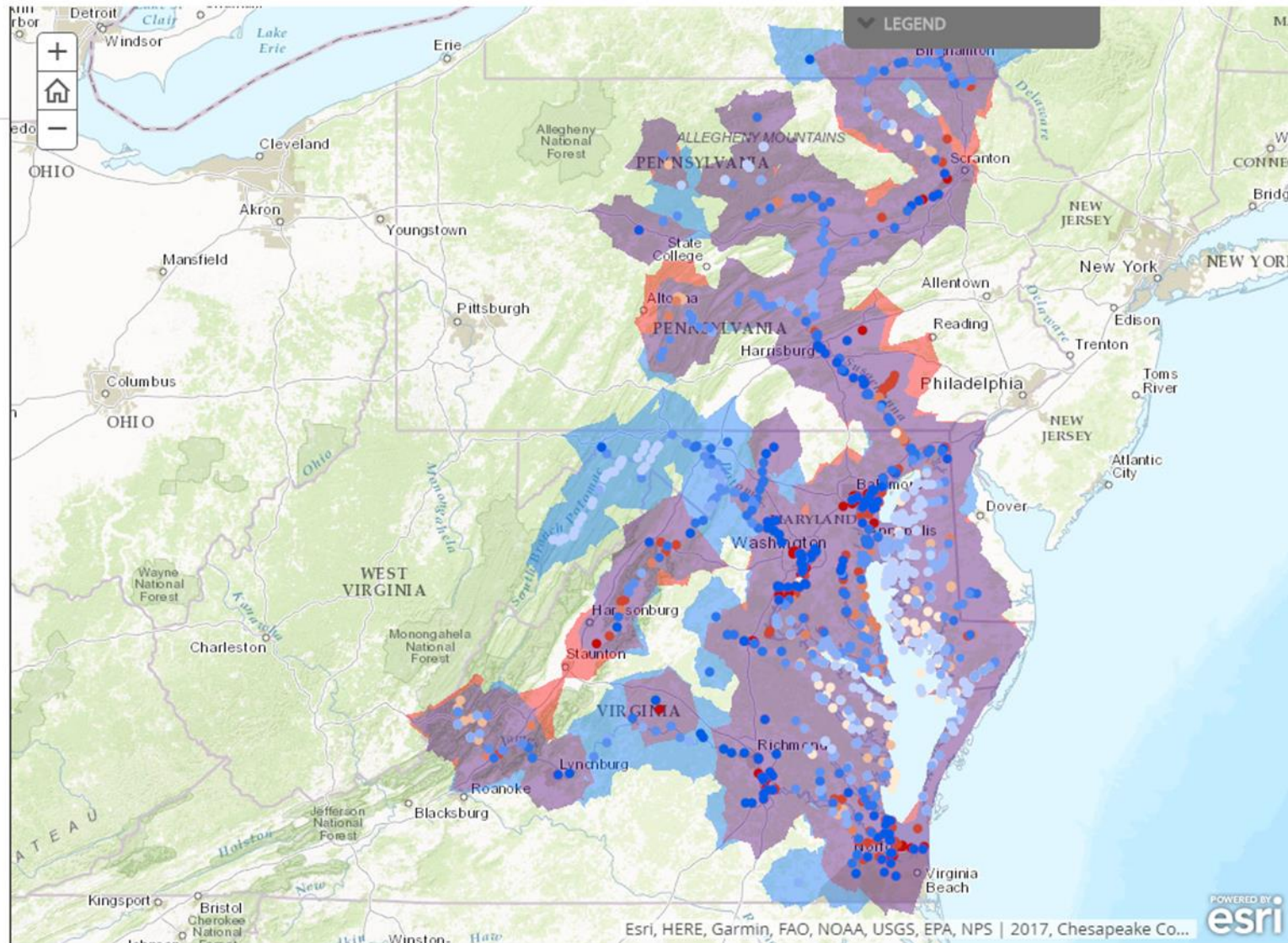
Colors represent areas adequate access to parks and water features.

More Information:

More information is available at
http://www.landscope.org/chesapeake/Priorities/Health/

Chesapeake Bay: Composite

LEGEND

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The Chesapeake Conservation Partnership

More information is available at
http://www.landscope.org/chesapeake/Priorities/Health/

Chesapeake Bay: Composite

Our Goal:

Although still in development, the composite map will also allow users to view composites of conservation priorities, taking into consideration all priorities and identifying areas of high overlap and conservation importance.

The Map:

Colors represent areas of increasing overlap between all priority areas.

Tracking Conservation Progress

The second of LandScope Chesapeake's goals is to **track conservation progress.**

LandScope Chesapeake tracks conservation progress by:

- Tracking protected lands on a watershed-wide level.
- Tracking protected lands on a state-wide level.

LEGEND

Composite

Chesapeake Bay:
Composite

High

Low

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The Chesapeake Conservation Partnership

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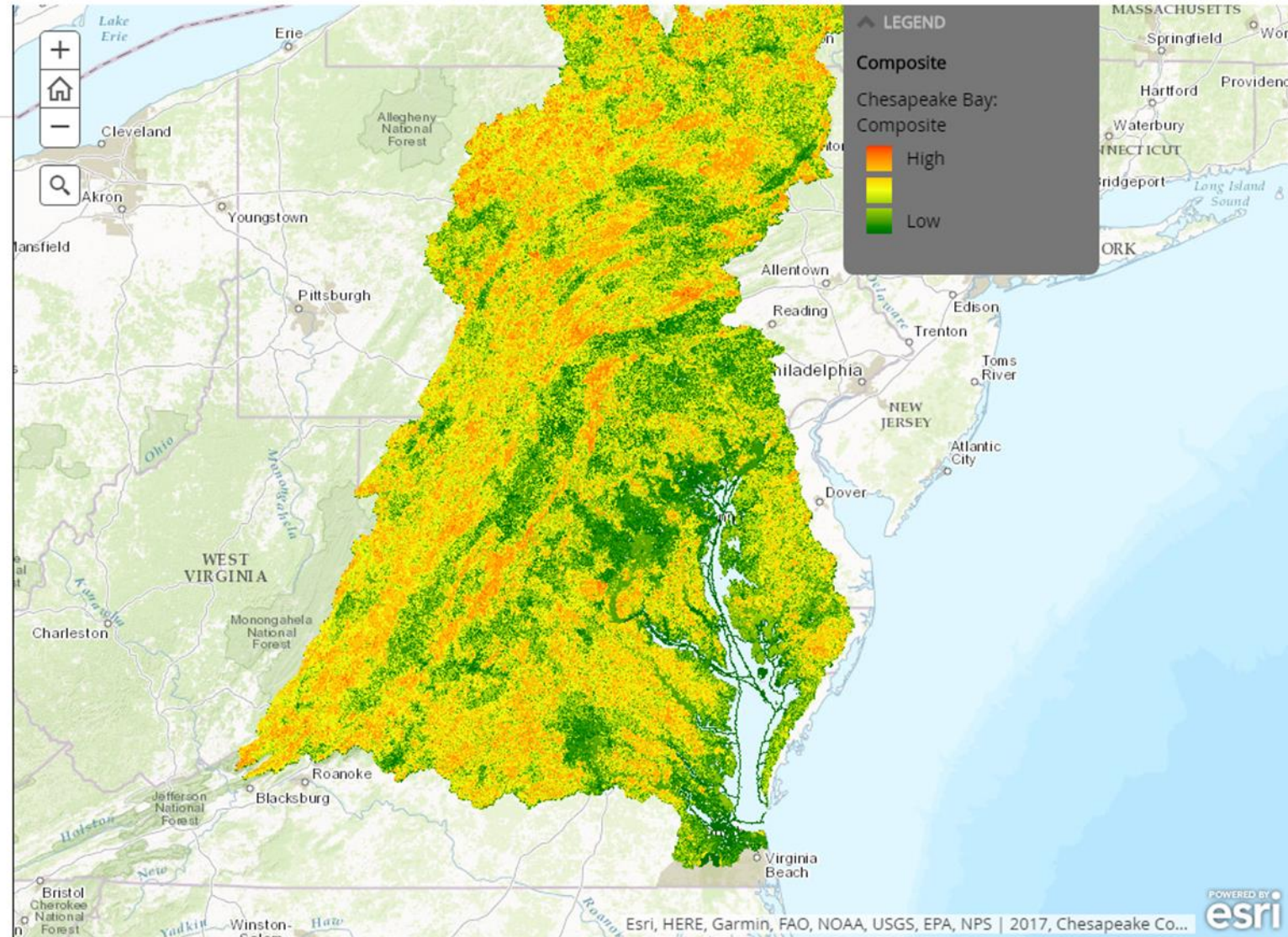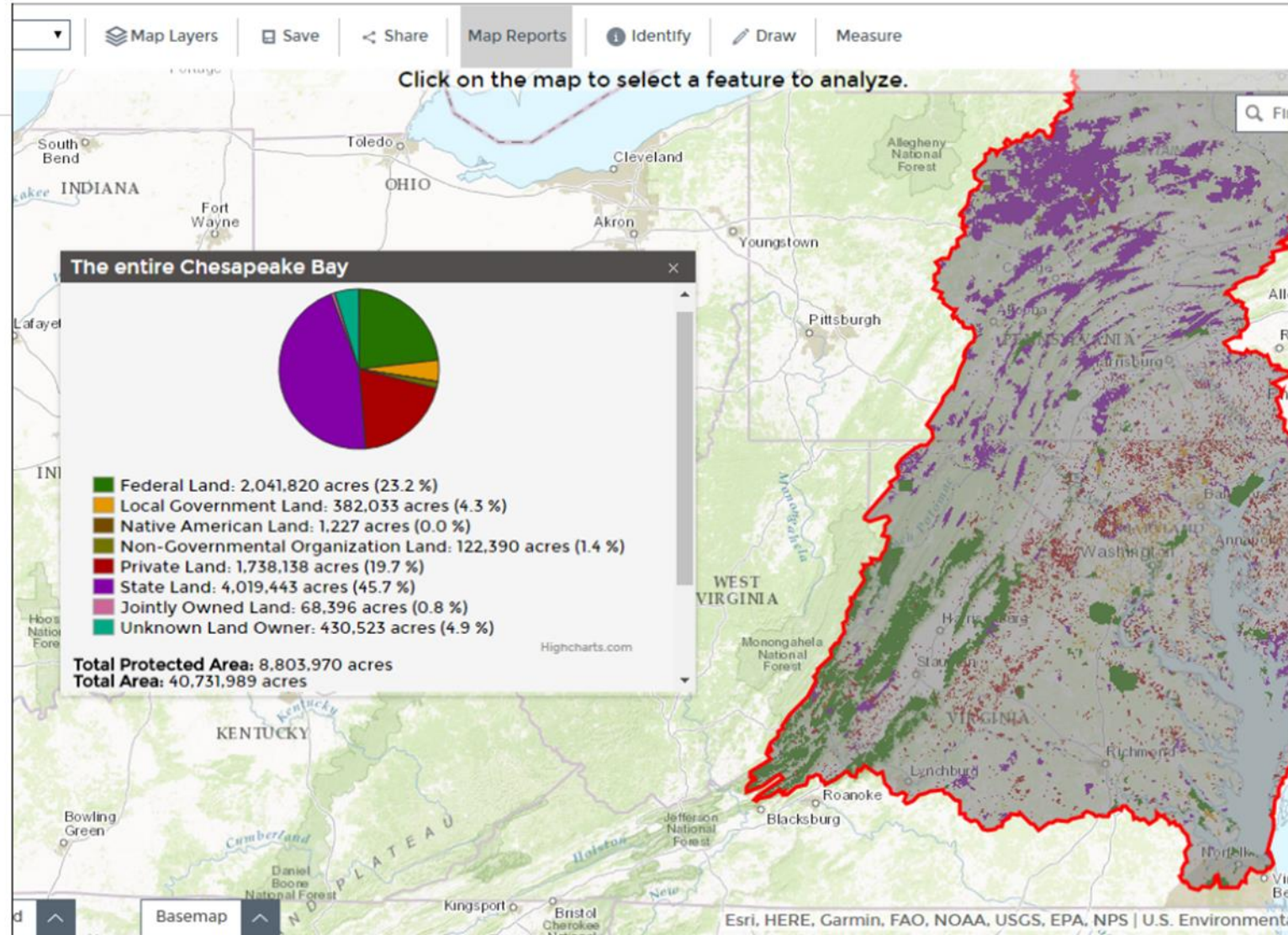
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- Tracking conservation progress by priority.
- Presenting areas around the Chesapeake that have benefited from coordinated conservation efforts.

Map Layers   Save   Share   Map Reports   Identify   Draw   Measure

Click on the map to select a feature to analyze.

The entire Chesapeake Bay

- Federal Land: 2,041,820 acres (23.2 %)
- Local Government Land: 382,033 acres (4.3 %)
- Native American Land: 1,227 acres (0.0 %)
- Non-Governmental Organization Land: 122,390 acres (1.4 %)
- Private Land: 1,738,138 acres (19.7 %)
- State Land: 4,019,443 acres (45.7 %)
- Jointly Owned Land: 68,396 acres (0.8 %)
- Unknown Land Owner: 430,523 acres (4.9 %)

Highcharts.com

Total Protected Area: 8,803,970 acres
Total Area: 40,731,989 acres

Basemap

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | U.S. Environmenta

The Chesapeake Conservation Partnership

Chesapeake Bay: Composite

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Protected Lands

With the signing of the Chesapeake Bay Watershed Agreement in 2014, Chesapeake conservation partners are committed to "protect an additional two million acres of lands throughout the watershed—currently identified as high-conservation priorities at the federal, state or local level—including 225,000 acres of wetlands and 695,000 acres of forest land of highest value for maintaining water quality" by 2025, building on a 2010 baseline of 7.8 million acres. This carries forward the same goal as set out through the Chesapeake Bay Executive Order.

© Chesapeake Bay Program

Tracking carried out since 2010 shows that as of 2016 a watershed-wide total of over 8.8 million acres are currently protected, representing 22% of the land area in the watershed. This marks an achievement of 50 percent of the goal to protect an additional two million acres of land throughout the watershed since 2010. Note, however, that improvements in reporting have produced a more comprehensive and accurate account of land protection in the watershed. A portion of the 1,004,577 acres recorded from 2010 through 2016 was likely protected before 2010, but the extent of this is not feasible to document.

Protected Lands in the Chesapeake

Chesapeake: Protected Lands

This dataset is an aggregated layer of protected lands in the Chesapeake Bay Watershed and intersecting counties. It is a combination of multiple state, federal and non-governmental organization sources. Overlapping and duplicate areas have been deleted to address double counting of acres. It is current as of mid 2016.

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The Chesapeake Conservation Partnership

Chesapeake Bay: Composite

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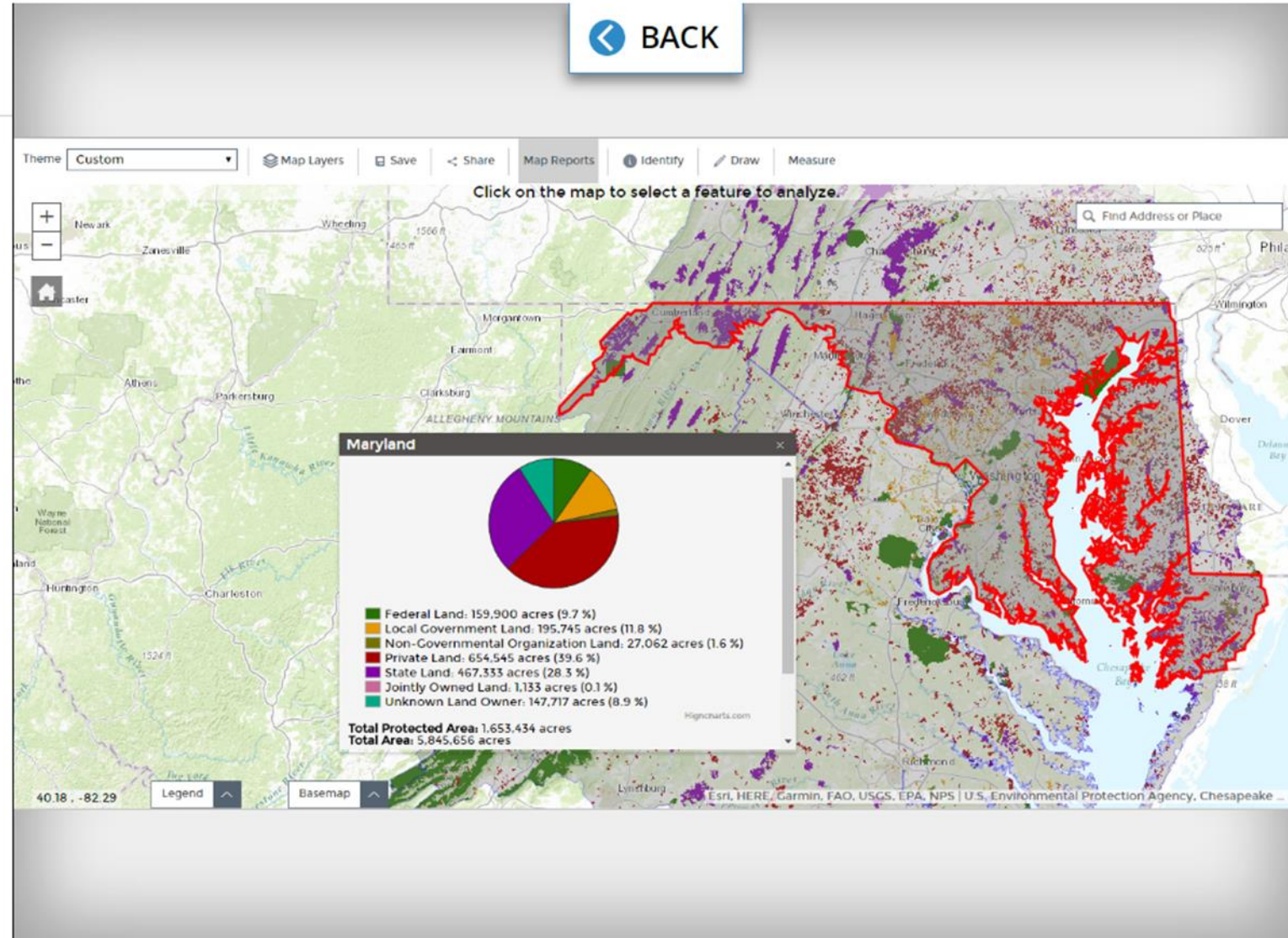
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Theme Custom ▾ | Map Layers | Save | Share | Map Reports | Identify | Draw | Measure

Click on the map to select a feature to analyze.

Find Address or Place

Maryland

- Federal Land: 159,900 acres (9.7 %)
- Local Government Land: 195,745 acres (11.8 %)
- Non-Governmental Organization Land: 27,062 acres (1.6 %)
- Private Land: 654,545 acres (39.6 %)
- State Land: 467,333 acres (28.3 %)
- Jointly Owned Land: 1,133 acres (0.1 %)
- Unknown Land Owner: 147,717 acres (8.9 %)

Total Protected Area: 1,653,434 acres
Total Area: 5,845,656 acres

Highcharts.com

40.18 , -82.29

Legend | Basemap

Esri, HERE, Garmin, FAO, USGS, EPA, NPS | U.S. Environmental Protection Agency, Chesapeake

The Chesapeake Conservation Partnership

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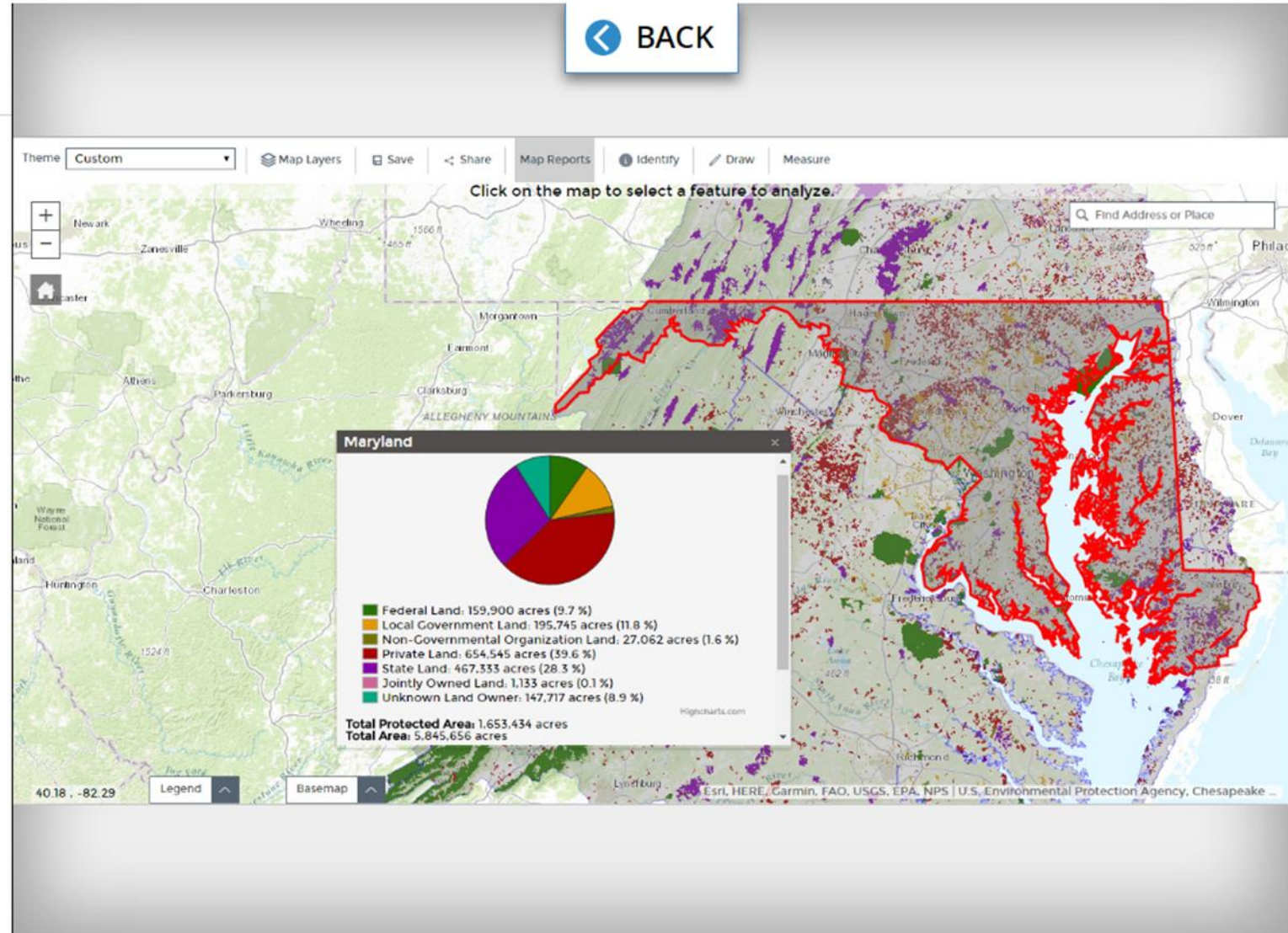
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Highcharts.com

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40.18 , -82.29 | Legend | Basemap

Esri, HERE, Garmin, FAO, USGS, EPA, NPS, U.S. Environmental Protection Agency, Chesapeake

The Chesapeake Conservation Partnership

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- Tracking protected lands on a state-wide level.
- Tracking conservation progress by priority.
- Presenting areas around the Chesapeake that have benefited from coordinated conservation efforts.

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   Star-Spangled Banner Trail
   Captain John Smith Chesapeake National Historic Trail
   Cacapon River Watershed
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Lower Susquehanna

Pennsylvania's Lower Susquehanna River is a crossroads of history, wildlife habitat, and recreational beauty comprising more than 2,000 acres of publicly accessible protected areas. Framed by the forested rocky cliffs and rolling hills of York and Lancaster counties, the Lower Susquehanna runs through a rural landscape dotted with small shoreline towns.

© Chesapeake Bay Program

The Susquehanna River provides half the freshwater flowing into the Chesapeake Bay, and Native Americans have occupied its lower reaches for over 12,000 years. Early explorers noted stockaded settlements as early as 1550, well before John Smith's epic journeys of the Bay's upper reaches. Today, the corridor contains American Indian sites and petroglyphs, water and land trails, state parks, two state heritage areas, wildlife habitat, the Captain John Smith Chesapeake National Historic Trail, four National Recreation Trails and a National Natural Landmark.

The corridor is also the focus of an innovative conservation partnership coordinated by the Pennsylvania Department of Conservation and Recreation (DCNR). Designation of the Lower Susquehanna Conservation Landscape Initiative—one of Pennsylvania's seven CLIs—seeks to enhance this rich landscape through preservation of the forested river landscape (especially environmentally sensitive areas), better stewardship of natural and cultural resources, improved public access to the river, and sustainable economic revitalization strategies keyed to heritage and ecotourism in communities like Marietta, Columbia, and Wrightsville.

DCNR and other partners, including the Lancaster and York County Planning Commissions, the Lancaster County Conservancy, The Conservation Fund, and the Susquehanna Gateway Heritage Area, are also working to implement protection strategies with the regional utilities that own many lands in the corridor.

Projects currently under development include

Map or Chart   27   Expand
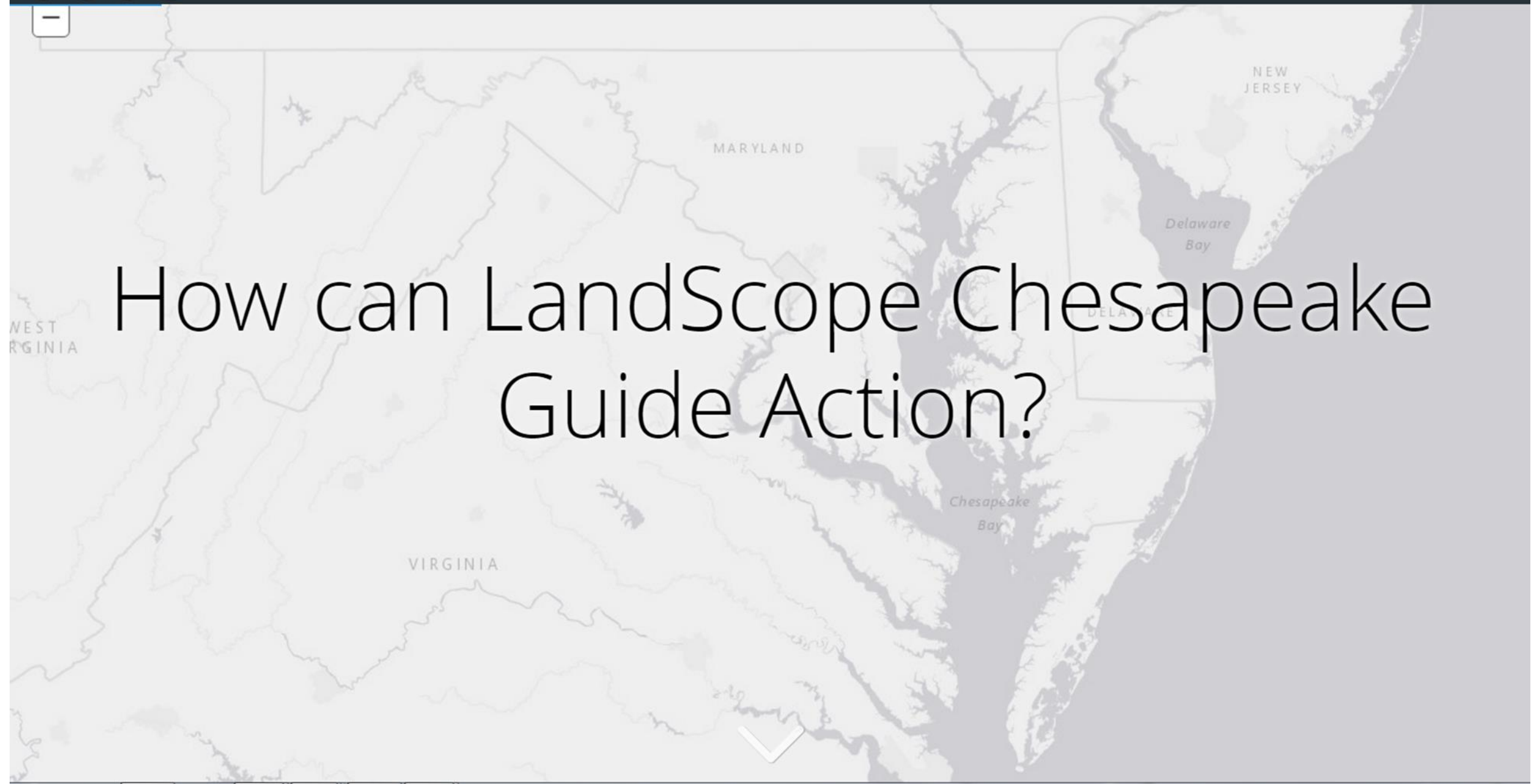
Video   33   Expand

Photograph   100   Expand

Article   100   Expand

Halting the Invasion in the Chesape...
Las Cienegas National Conservatio...
Wildlife Habitat Benefits Toolkit
Using Conservation Forestry to Pre...
Alachua County's Emerald Necklace
Marsh Restoration at the J.D. Murp...
Peak to Prairie: Colorado Open Lan...
Integrating Mission Requirements ...

How can LandScope Chesapeake Guide Action?

Theme | Custom ▾ | 📚 Map Layers | 🖫 Save | ⌄ Share | Map Reports | ⓘ Identify | ✎ Draw | Measure

🔍 Find Address or Place

Identify a general area of operations.

39.05 , -80.09 | Legend ⌃ | Basemap ⌃

Esri, HERE, Garmin, NGA, USGS, NPS | Esri, HERE

LandScope Chesapeake

1 2 3 4

How can LandScope Chesapeake Guide Action?

Theme | Custom ▼ | 🗇 Map Layers | 🖫 Save | < Share | Map Reports | ⓘ Identify | ✏ Draw | Measure
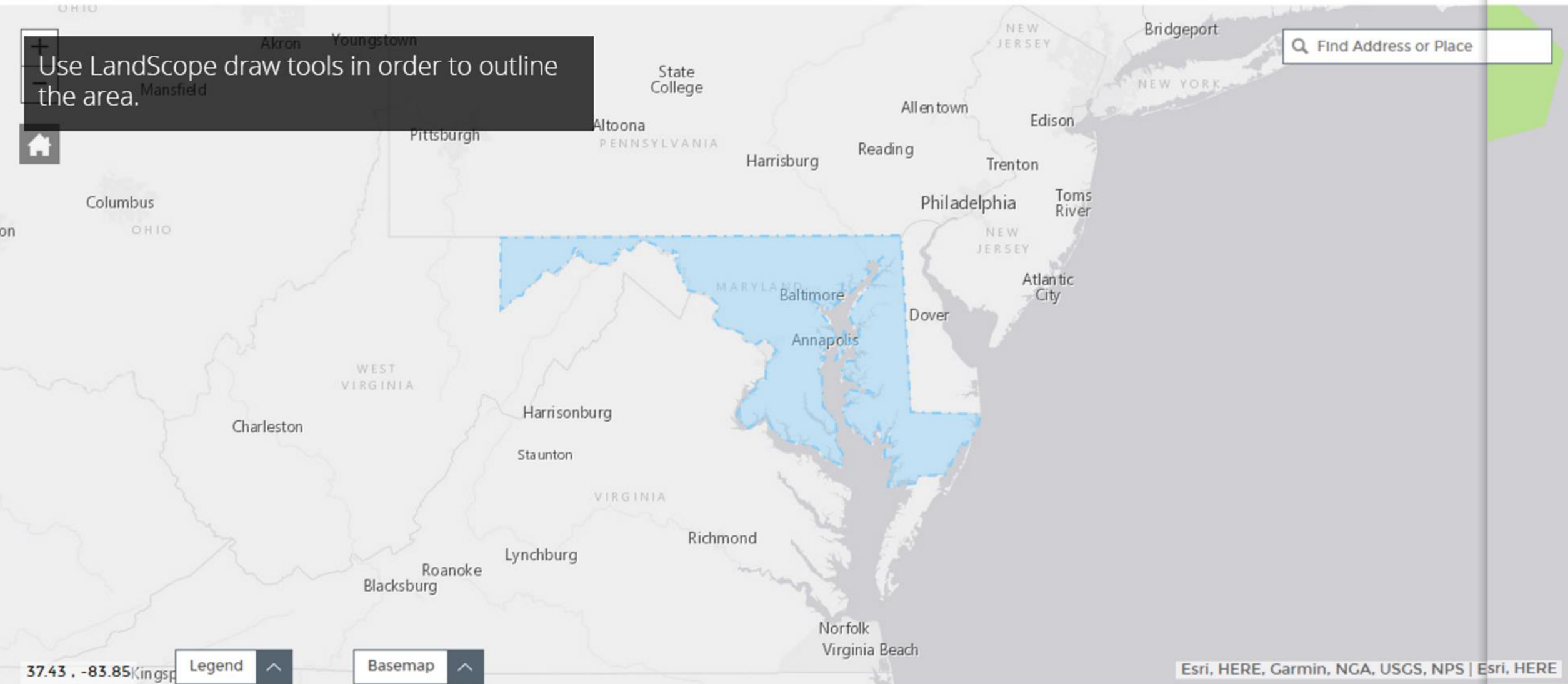
Use LandScope draw tools in order to outline the area.

Q Find Address or Place

OHIO
Akron Youngstown
Mansfield
State College
Allentown
Edison
Altoona
PENNSYLVANIA
Reading
Pittsburgh
Harrisburg
Trenton
Philadelphia
Toms River
Columbus
OHIO
NEW JERSEY
MARYLAND
Baltimore
Dover
Atlantic City
Annapolis
WEST VIRGINIA
Harrisonburg
Staunton
Charleston
VIRGINIA
Richmond
Lynchburg
Roanoke
Blacksburg
Norfolk
Virginia Beach

37.43 , -83.85 Kingsp

Legend ∧ | Basemap ∧

Esri, HERE, Garmin, NGA, USGS, NPS | Esri, HERE

How can LandScope Chesapeake Guide Action?

Theme | Custom ▼ | 📑 Map Layers | 🖫 Save | ⤳ Share | Map Reports | ⓘ Identify | ✎ Draw | Measure
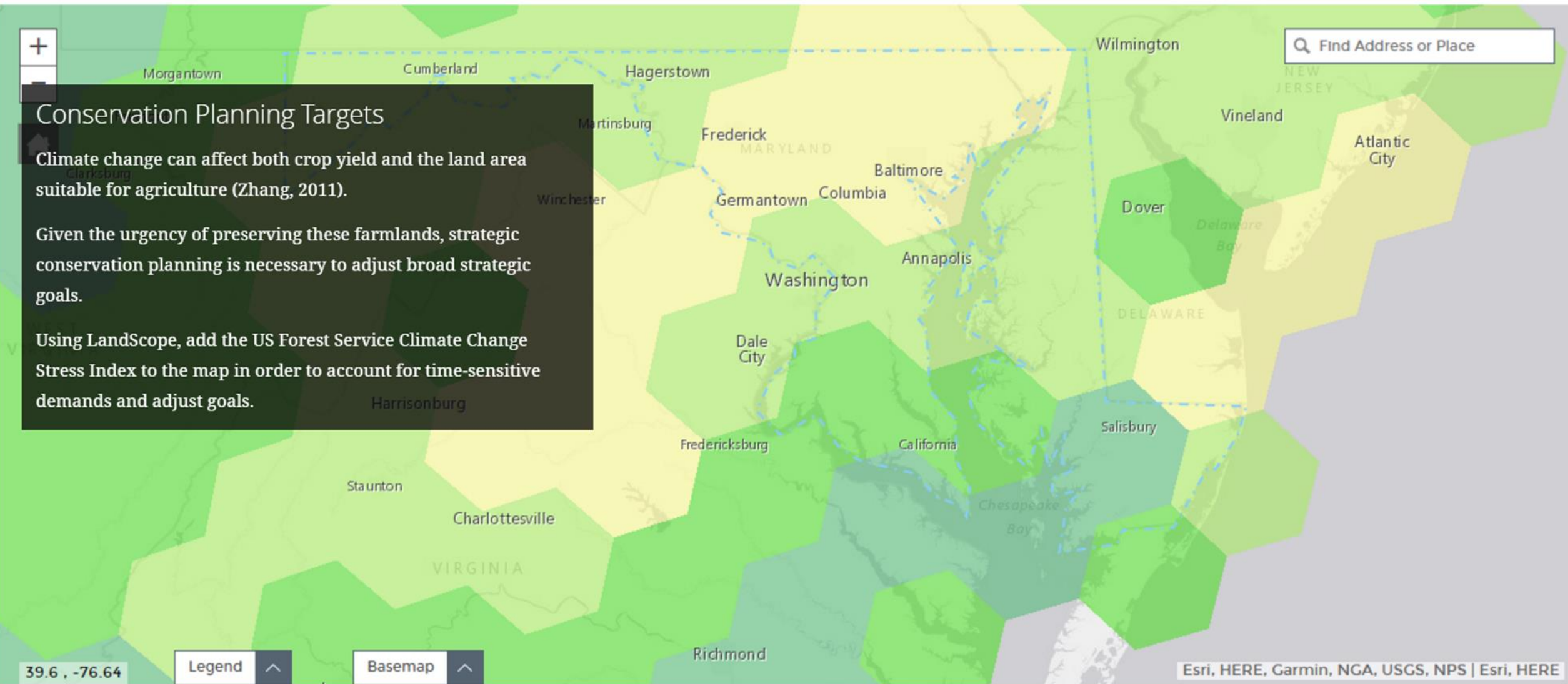
Find Address or Place

Conservation Planning Targets

Climate change can affect both crop yield and the land area suitable for agriculture (Zhang, 2011).

Given the urgency of preserving these farmlands, strategic conservation planning is necessary to adjust broad strategic goals.

Using LandScope, add the US Forest Service Climate Change Stress Index to the map in order to account for time-sensitive demands and adjust goals.

Morgantown · Cumberland · Hagerstown · Wilmington · NEW JERSEY

Martinsburg · Frederick · MARYLAND · Vineland · Atlantic City

Clarksburg · Baltimore

Winchester · Germantown · Columbia · Dover · Delaware Bay

Annapolis

Washington · DELAWARE

Dale City

Harrisonburg · Salisbury

Fredericksburg · California

Staunton · Chesapeake Bay

Charlottesville

VIRGINIA

Richmond

39.6 , -76.64 | Legend ⌃ | Basemap ⌃ | Esri, HERE, Garmin, NGA, USGS, NPS | Esri, HERE

How can LandScope Chesapeake Guide Action?

Outline the approximate overlap between area of general operations (Maryland) and conservation planning targets (Areas of High Climate Change Stress).

Find Address or Place

Legend

Climate Change Stress Index

High Stress

Low Stress

38.1 , -80.75

Esri, HERE, Garmin, NGA, USGS, NPS | Es

RE, Garm...

LandScope Chesapeake

1 2 3 4

How can LandScope Chesapeake Guide Action?

Theme | **Custom** ▾ | ≋ Map Layers | 🖫 Save | < Share | Map Reports | ⓘ Identify | ✎ Draw | Measure

Add Chesapeake Bay Farmland layer in LandScope, in order to identify farmlands in the area stressed by climate change.

🔍 Find Address or Place

Dale City

Fredericksburg

California

Salisbury

Chesapeake Bay

Legend ⌄

Chesapeake Bay: Farms

■ Prime/Farmland of Importance, Farmed
■ Farmed
■ Prime/Farmland of Importance, not farmed

38.74, -77.91

2017, Chesapeake Conservation Partnership & Chesapeake Conservancy. | Esri, HERE, Garm...

1 2 3 4

How can LandScope Chesapeake Guide Action?

Theme | Custom ▼ | Map Layers | Save | Share | Map Reports | ⓘ Identify | ✎ Draw | Measure

🔍 Find Address or Place

+

🏠

Zoom in further in order to identify specific areas for conservation work.

California

Salisbury

Legend ▼

Chesapeake Bay: Farms

■ Prime/Farmland of Importance, Farmed
□ Farmed
□ Prime/Farmland of Importance, not farmed

38.59 -76.59

1 2 3 4

How can LandScope Chesapeake Guide Action?

Theme   Custom ▼   📑 Map Layers   💾 Save   ◁ Share   Map Reports   ⓘ Identify   ✏ Draw   Measure

Washington
Centreville
Alexandria

➕

🔍 Find Address or Place

Share map.

In this example, general strategic goals (Farmland Conservation)
and areas of operation (Maryland) are strategically adapted to
opportunities and needs (Climate Change).

Share URL: http://bit.ly/2qD4AFG

Salisbury

Chesapeake
Bay

38.87 , -75.82   Legend ⌃   Basemap ⌃   2017, Chesapeake Conservation Partnership & Chesapeake Conservancy. | Esri, HERE, Garm.

How can LandScope Chesapeake Guide Action?

Edit ×

For more information, contact:

Nicholas J. Moy

LandScope Chesapeake Coordinator

Nicholas_Moy@natureserve.org

LandScope Chesapeake Use Cases

I work for a land trust in Frederick County and I would like to find out if there are any high value forests that overlap my service area and my easements.
Can LandScope help me do that? Are any of those forests important for water quality?

Theme Custom ▼   ≋ Map Layers   ⊟ Save   ⋖ Share   Map Reports   ⓘ Identify   ✎ Draw   Measure
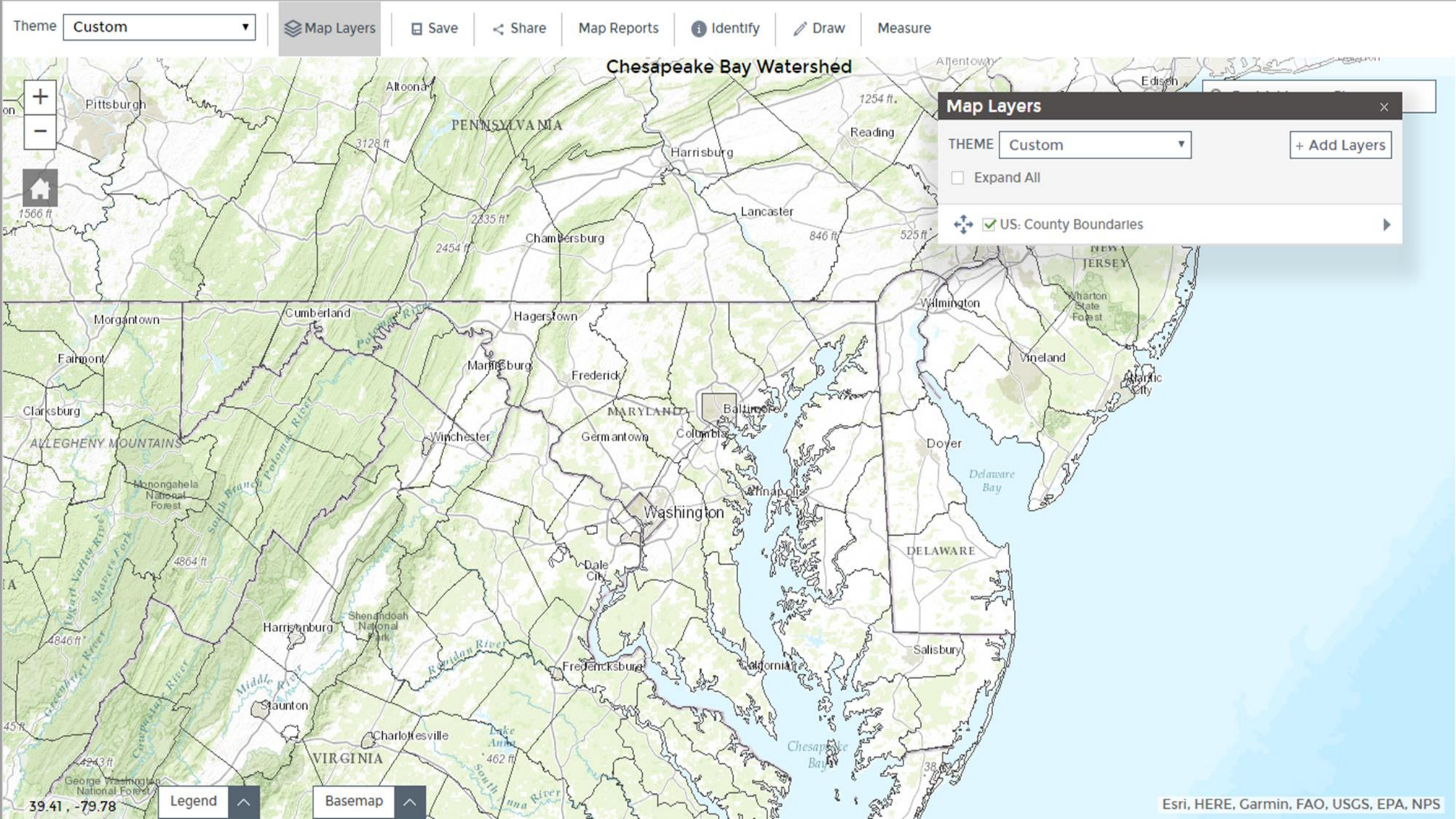
Chesapeake Bay Watershed

Map Layers   ✕

THEME Custom ▼   + Add Layers

☐ Expand All

✥ ☑ US: County Boundaries   ▶

+
−

⌂
1566 ft

39.41 , -79.78

Legend   ∧   Basemap   ∧

Esri, HERE, Garmin, FAO, USGS, EPA, NPS

PENNSYLVANIA
Pittsburgh
Altoona
Harrisburg
Reading
Lancaster
3128 ft
2835 ft
2454 ft
Chambersburg
1254 ft
846 ft
525 ft
Cumberland
Morgantown
Hagerstown
Wilmington
NEW JERSEY
Wharton State Forest
Martinsburg
Frederick
MARYLAND
Baltimore
Columbia
Vineland
Atlantic City
ALLEGHENY MOUNTAINS
Fairmont
Winchester
Germantown
Annapolis
Dover
DELAWARE
Delaware Bay
Clarksburg
Monongahela National Forest
Washington
Dale City
Salisbury
4864 ft
4846 ft
Harrisonburg
Shenandoah National Park
Fredericksburg
California
4243 ft
Staunton
Lake Anna
462 ft
Charlottesville
VIRGINIA
Chesapeake Bay
George Washington National Forest
45 ft
Potomac River
South Branch Potomac River
Shavers Fork
Tygart Valley River
Greenbrier River
Middle River
Rapidan River
South Anna River
Edison
Allentown

Chesapeake Bay Watershed

Draw Tools

Transparent — Opaque

Select Color

Legend ^   Basemap ^

40.02 . -79.26

Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS

Chesapeake Bay Watershed
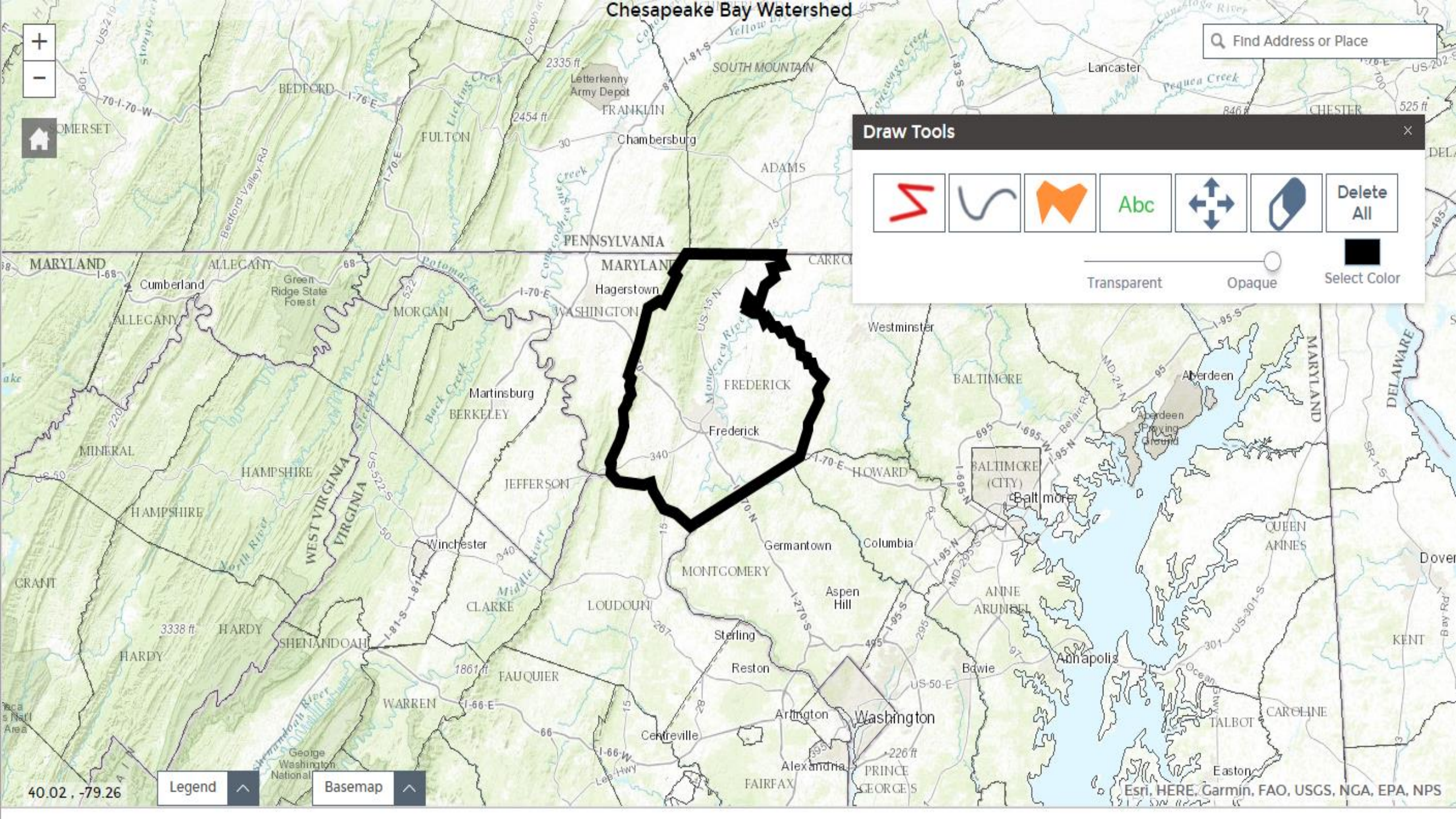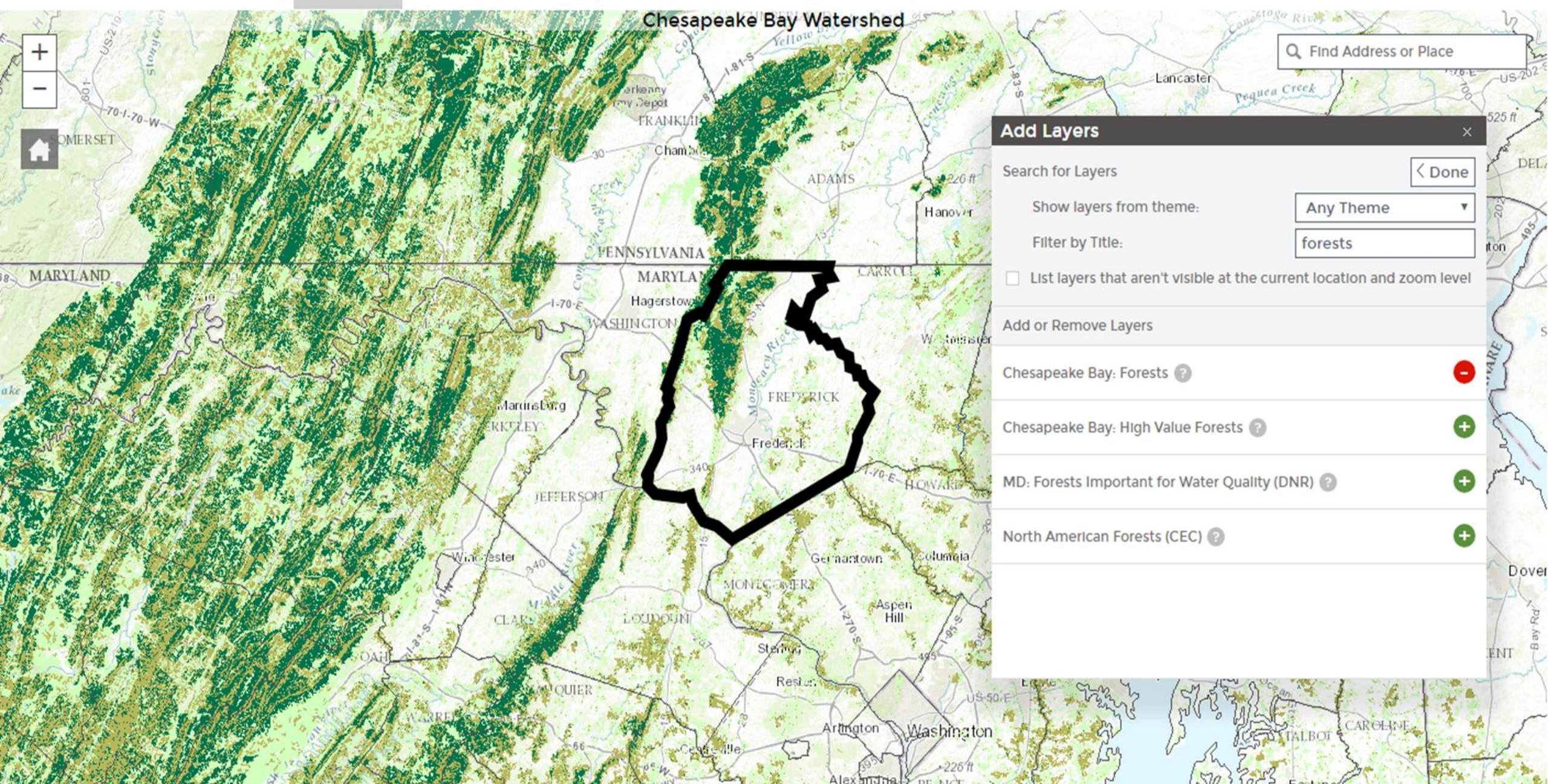
🔍 Find Address or Place

Add Layers   ✕

Search for Layers   ⟨ Done

   Show layers from theme: Any Theme ▼

   Filter by Title: forests

☐ List layers that aren't visible at the current location and zoom level

Add or Remove Layers
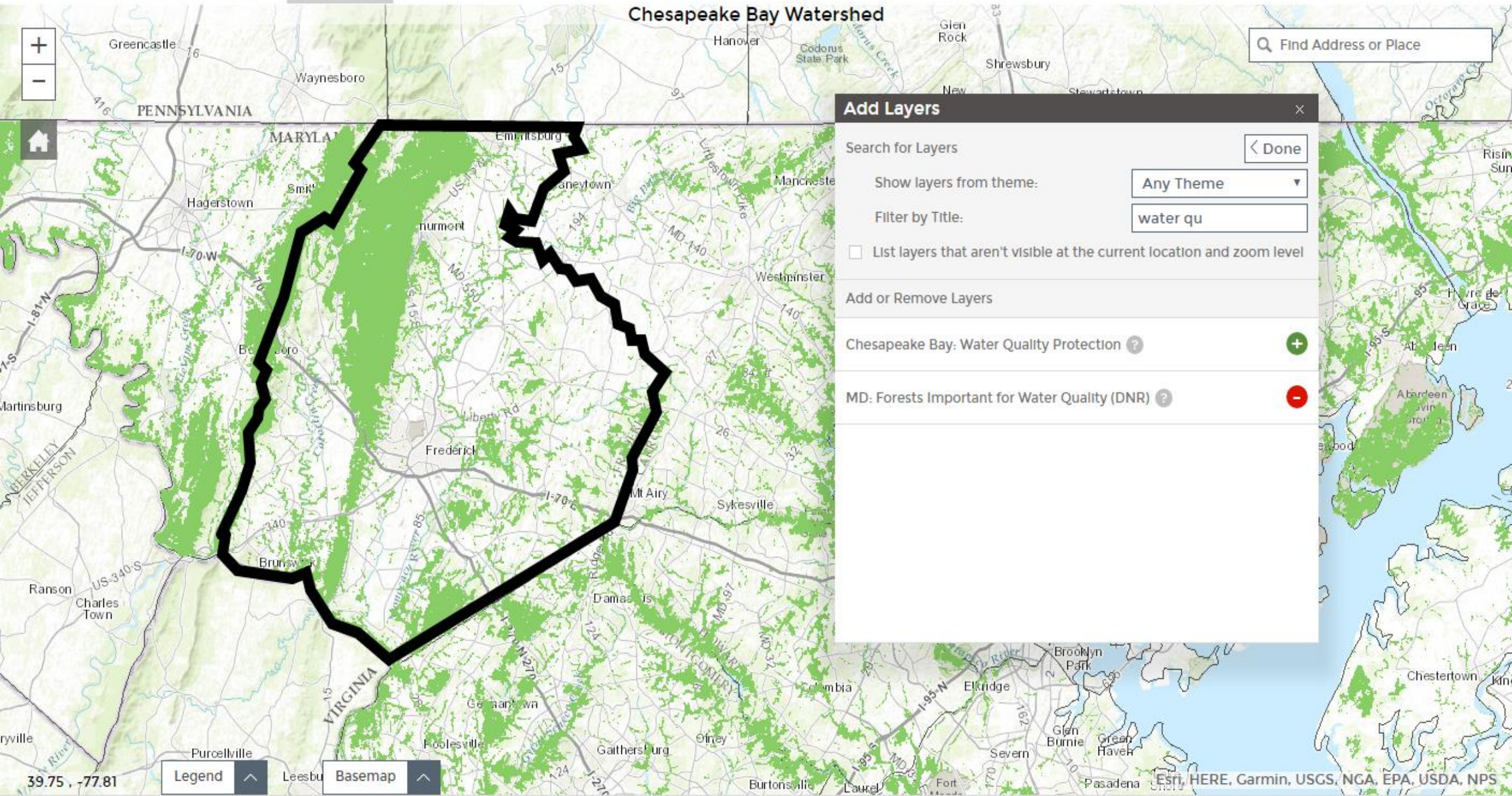
Chesapeake Bay: Forests ❓   ⊖

Chesapeake Bay: High Value Forests ❓   ⊕

MD: Forests Important for Water Quality (DNR) ❓ ⊕

North American Forests (CEC) ❓   ⊕

40.13 ; -79.24   Legend ⌃   Basemap ⌃

2017, Chesapeake Conservation Partnership and Chesapeake Bay Program | Esri, HERE, Garmin,

Find Address or Place

Fulton County

Frederick County

| County: | Frederick County |
| State: | MD |

Name	More Information
Appalachian Trail Conservancy	View Details
Maryland Environmental Trust	View Details
North American Land Trust	View Details
Potomac Conservancy	View Details

Download PDF

Choose a Different Report

39.79 , -78.08

Legend

Basemap

I work for a land trust in Southern Maryland.
Can LandScope show me if there are any federally listed threatened or endangered species in my region?
Which watersheds have the most threatened and endangered species?
How much of these watersheds are protected? Are any of them particularly stressed by climate change?

Theme [Custom ▾]   ⊜ Map Layers   ⊟ Save   < Share   Map Reports   ⓘ Identify   ✎ Draw   Measure
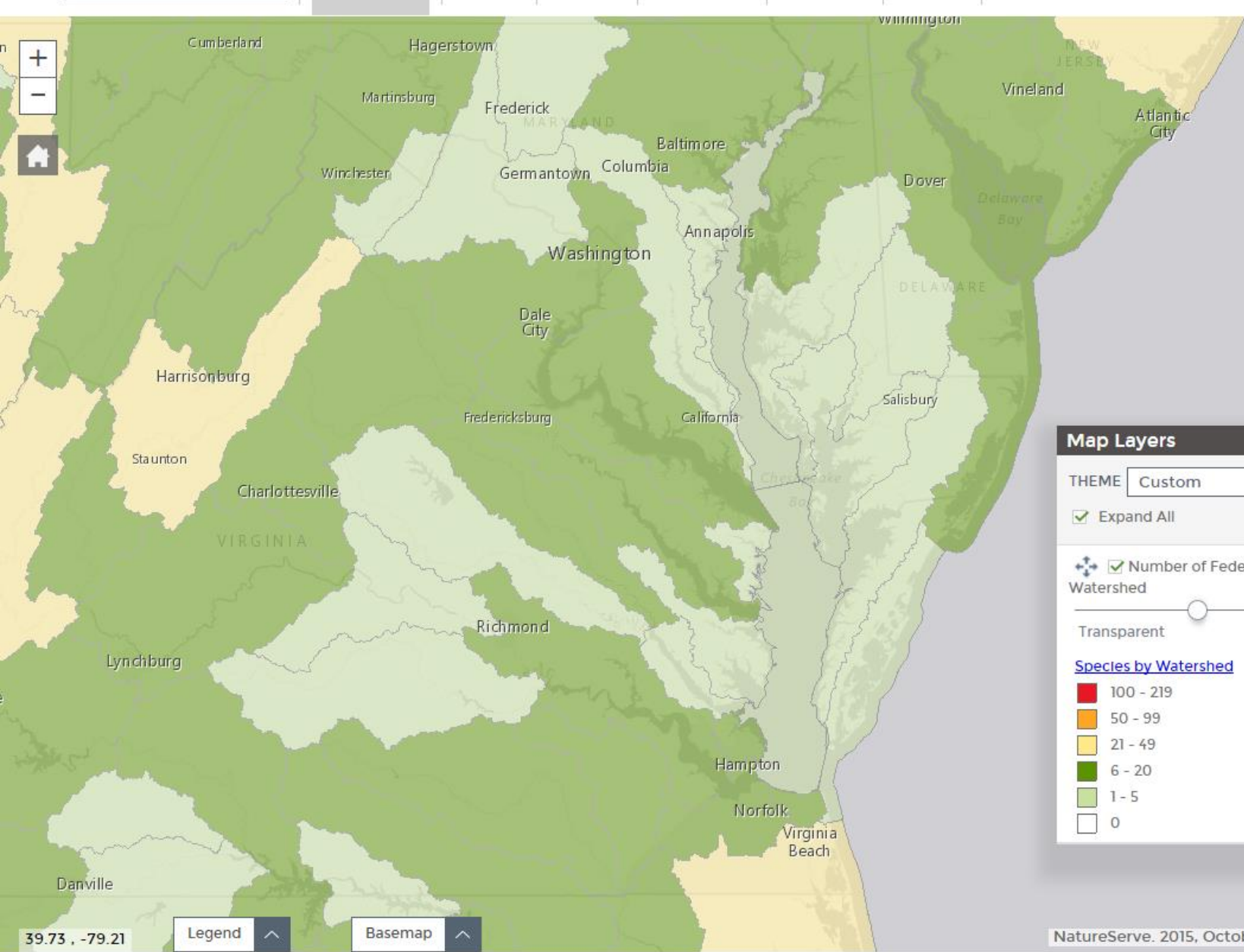
Map Layers   ×

THEME [Custom ▾]   [+ Add Layers]

☑ Expand All

✛ ☑ Number of Federally Listed or Imperiled Species by Watershed   ▾

Transparent ————○———— Opaque

[View Layer Details] ⊖

Species by Watershed

■ 100 - 219 (red)
■ 50 - 99 (orange)
■ 21 - 49 (yellow)
■ 6 - 20 (dark green)
■ 1 - 5 (light green)
□ 0 (white)

39.73 , -79.21   [Legend ∧]   [Basemap ∧]

NatureServe. 2015, October. NatureServe Central Databases. Arlington, VA. U.S.A. | Esri, HERE, Garmin, NGA, USG...

Click on the map to select a feature to analyze.

🔍 Find Address or Place
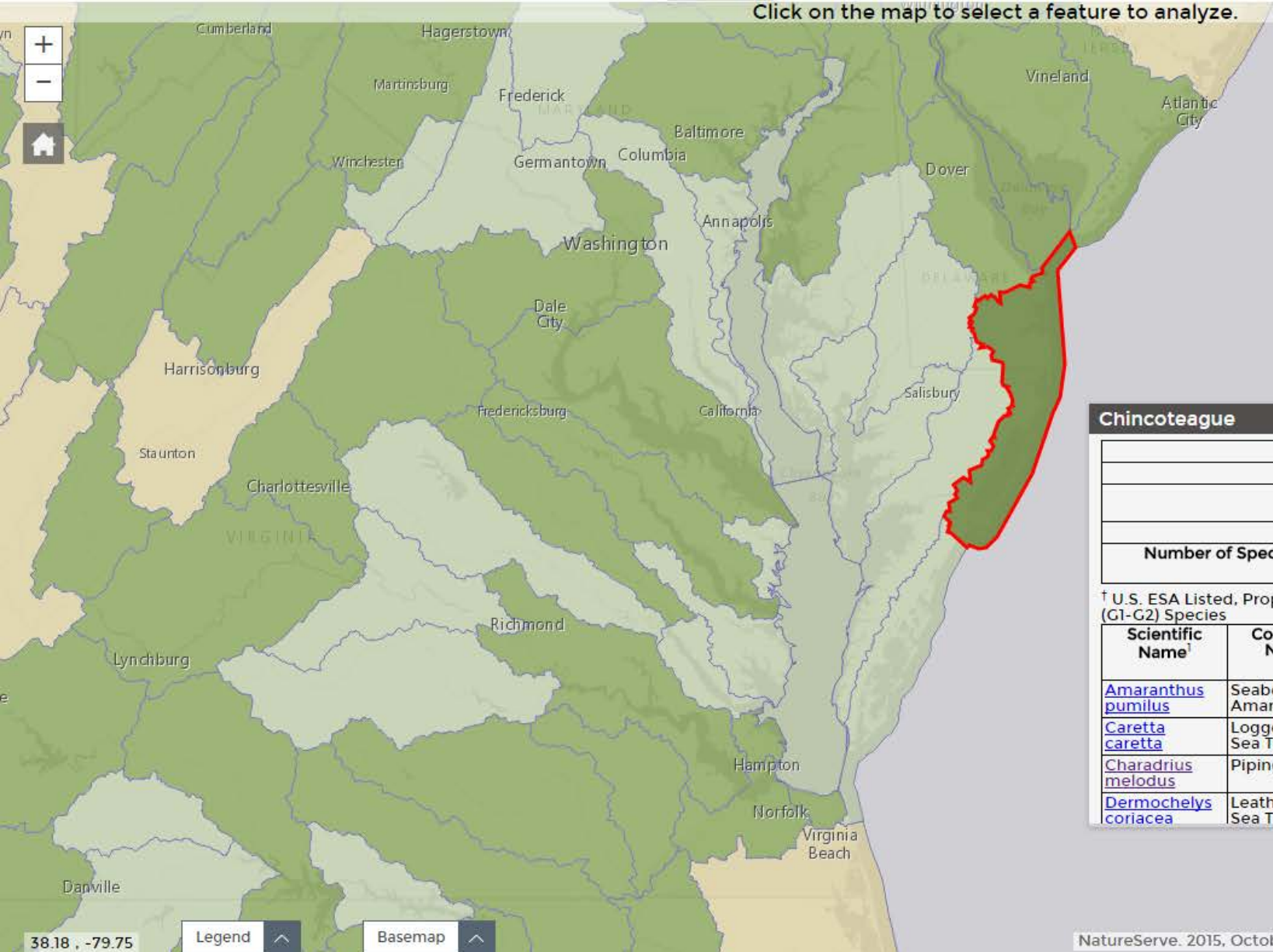
Chincoteague ✕

Watershed Code:	02040303
Watershed Region:	Mid Atlantic Region
Watershed Name:	Delaware-Mid Atlantic Coastal
Watershed States:	DE MD NJ VA
Number of Species of Conservation Concern [†]	10

[†] U.S. ESA Listed, Proposed, Candidate and NatureServe Imperiled (G1-G2) Species

Scientific Name[1]	Common Name	Major Group	NatureServe Global Status	U.S. Federal Status[2]
Amaranthus pumilus	Seabeach Amaranth	Flowering Plants	G2: Imperiled	LT
Caretta caretta	Loggerhead Sea Turtle	Turtles	G3: Vulnerable	LE, LT
Charadrius melodus	Piping Plover	Birds	G3: Vulnerable	LE, LT
Dermochelys coriacea	Leatherback Sea Turtle	Turtles	G2: Imperiled	LE

38.18 , -79.75 | Legend ⌃ | Basemap ⌃

LandScope America®

Imperiled Species

Area Analyzed: Chincoteague

Area Type: Watershed (HUC 8)

Watershed Code:	02040303
Watershed Region:	Mid Atlantic Region
Watershed Name:	Delaware-Mid Atlantic Coastal
Watershed States:	DE MD NJ VA
Number of Species of Conservation Concern [†]	10

[†] U.S. ESA Listed, Proposed, Candidate and NatureServe Imperiled (G1-G2) Species
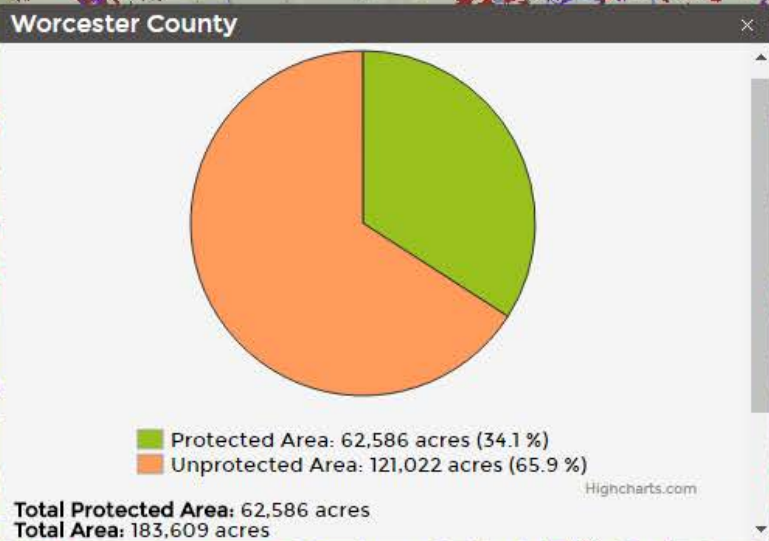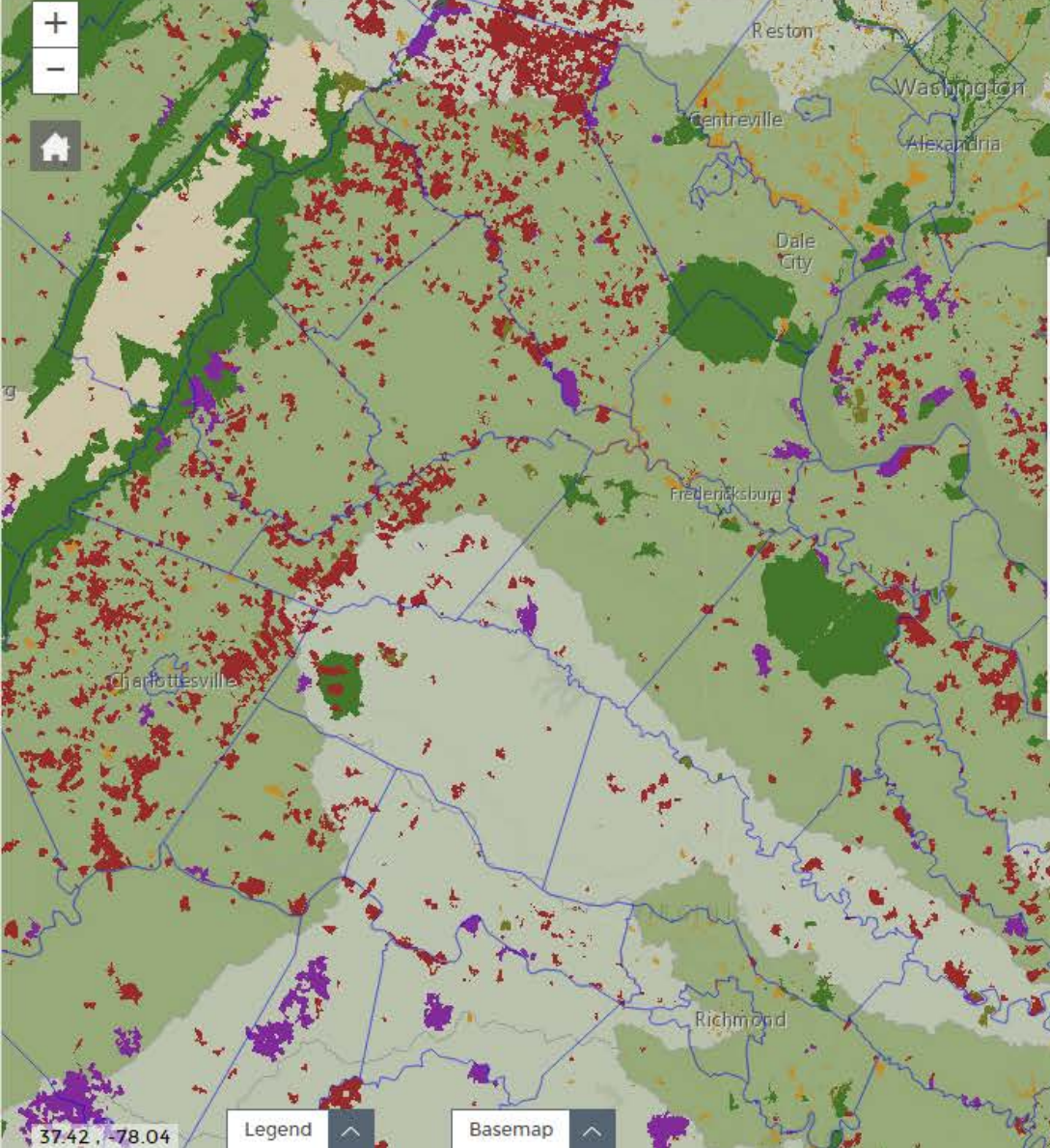
Scientific Name[1]	Common Name	Major Group	NatureServe Global Status	U.S. Federal Status[2]
Amaranthus pumilus	Seabeach Amaranth	Flowering Plants	G2: Imperiled	LT
Caretta caretta	Loggerhead Sea Turtle	Turtles	G3: Vulnerable	LE, LT
Charadrius melodus	Piping Plover	Birds	G3: Vulnerable	LE, LT
Dermochelys coriacea	Leatherback Sea Turtle	Turtles	G2: Imperiled	LE
Dichanthelium hirstii	Hirsts' Panicgrass	Flowering Plants	G1: Critically Imperiled	C
Eupatorium anomalum	Florida Thoroughwort	Flowering Plants	G2: Imperiled	
Helonias bullata	Swamp-pink	Flowering Plants	G3: Vulnerable	LT
Photuris bethaniensis	Bethany Beach Firefly	Other Beetles	G1: Critically Imperiled	
Sciurus niger	Eastern Fox Squirrel	Mammals	G5: Secure	PS
Sciurus niger cinereus	Delmarva Fox Squirrel	Mammals	T3	LE, XN, PDL

[1] Links to NatureServe Explorer Comprehensive Species Report

[2] Links to U.S. Fish & Wildlife Service's Environmental Conservation Online System (ECOS)

Click on the map to select a feature to analyze.

🔍 Find Address or Place

Worcester County ✕

■ Protected Area: 62,586 acres (34.1 %)
■ Unprotected Area: 121,022 acres (65.9 %)

Highcharts.com

Total Protected Area: 62,586 acres
Total Area: 183,609 acres

37.42 , -78.04

Legend ⌃   Basemap ⌃

NatureServe. 2015, October. NatureServe Central Databases. Arlington, VA. U.S.A. | Esri, HERE, Garmin, NGA, USG...

I work on the Eastern Shore and would like to see if LandScope can help me identify the areas in Dorchester, Talbot, and Somerset counties that have the most nitrogen runoff.
Can we also look at impervious surface and other land cover with nitrogen runoff?
Are any of these areas on protected land?

Theme | Custom ▼ | Map Layers | Save | Share | Map Reports | ⓘ Identify | ✎ Draw | Measure
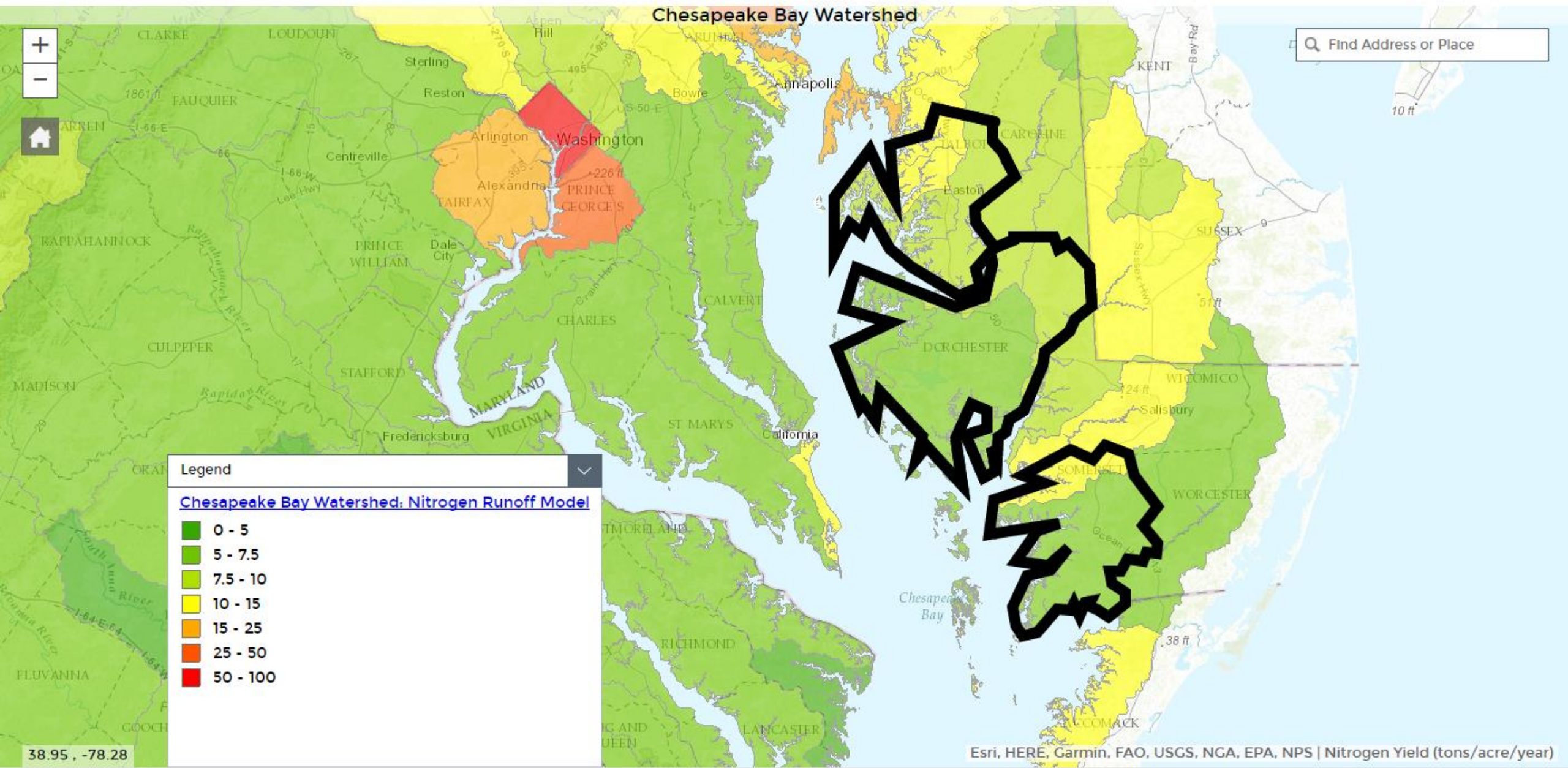
Chesapeake Bay Watershed

Find Address or Place

Legend

Chesapeake Bay Watershed: Nitrogen Runoff Model

- 0 - 5
- 5 - 7.5
- 7.5 - 10
- 10 - 15
- 15 - 25
- 25 - 50
- 50 - 100

38.95 , -78.28

Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS | Nitrogen Yield (tons/acre/year)

Q Find Address or Place

Delaware Bay

10 ft

MARYLAND

fornia

Legend

Chesapeake Bay Watershed: Land Cover Data Series

21 Developed open space

22 Low intensity developed

23 Med. intensity developed

24 High intensity developed

31 Barren

32 Unconsolidated Shorelines

41 Deciduous forest

42 Evergreen forest

43 Mixed forest

52 Shrub/scrub

Chesapeake Bay

39.02 , -78.3

Chesapeake Bay Watershed

Legend

Chesapeake Bay Watershed: Land Cover Data Series

- 21 Developed open space
- 22 Low intensity developed
- 23 Med. intensity developed
- 24 High intensity developed
- 31 Barren
- 32 Unconsolidated Shorelines
- 41 Deciduous forest
- 42 Evergreen forest
- 43 Mixed forest
- 52 Shrub/scrub

38.65 , -77.44