

The Mid-Atlantic Ocean Data Portal

A SELF-PACED WALK THROUGH

Opening Screen

Create a free account to get access to additional functionality.

MARCO MID-ATLANTIC OCEAN DATA PORTAL

MAP NEWS DATA HELP LOG IN

Search data

Table of Contents

Active MyPlanner Data Legend

- ▶ Administrative
- ▶ Fishing
- ▶ Fishing - Communities at Sea
- ▶ Marine Life
- ▶ Marine Life Library (Species Specific)
- ▶ Maritime
- ▶ Oceanography
- ▶ Recreation
- ▶ Renewable Energy

Basemaps

Provide feedback

Sources: Esri, GEBCO, NOAA, National Geographic, DeLorme, NAVTEQ, Geonames.org, and others

Account Access – Free to join

Log in.

Anyone can join the MARCO Portal—becoming a member allows you to join and create interest groups, custom data layers, and share map views with your collaborators.

Email:

✉ email

Password:

🔒 password

Social logins such as Facebook or Twitter accounts are temporarily unavailable.

If you need immediate access to an account that is only associated with a social media platform, please email portal@midatlanticocean.org.

We apologize for the inconvenience.

Log in →

Access to Data

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By clicking on one of the arrows in the Table of Contents, you will begin to gain access to the data that are available through the Portal.

There are 12 categories and over 300 datasets available for viewing.

Sources: Esri, GEBCO, NOAA, National Geographic, DeLorme, NAVTEQ, Geonames.org, and others

Provide feedback

MILES 0 40 80

Administrative Layers

Search data

Active • 1 MyPlanner **Data** Legend

- Administrative
 - FEDERAL OCS ADMINISTRATIVE BOUNDARIES ✓
 - MARINE JURISDICTIONS ○
 - NORTHEAST CANYONS AND SEAMOUNTS MARINE NATIONAL MONUMENT ○
 - OCS LEASE BLOCKS ○
 - TRIBAL HEADQUARTERS ○
- Fishing
- Fishing - Communities at Sea
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The Administrative category provides access to data that provide reference information for general use ocean management.

Clicking on any of the **More Info** icons next to a data layer will allow you to access additional information about how the data were developed and data author. This is also how you will access the data for download as well as access to the authoritative source of the data.

FEDERAL OCS ADMINISTRATIVE BOUNDARIES ✓

kml ↓ data ↓ metadata ↗ source ↗

Administrative boundaries extending from the Submerged Lands Act boundary seaward to the US Outer Continental Shelf. These boundaries were created for BOEM administrative purposes only, such as deline... [read more.](#)

Marine Life Library: by Species

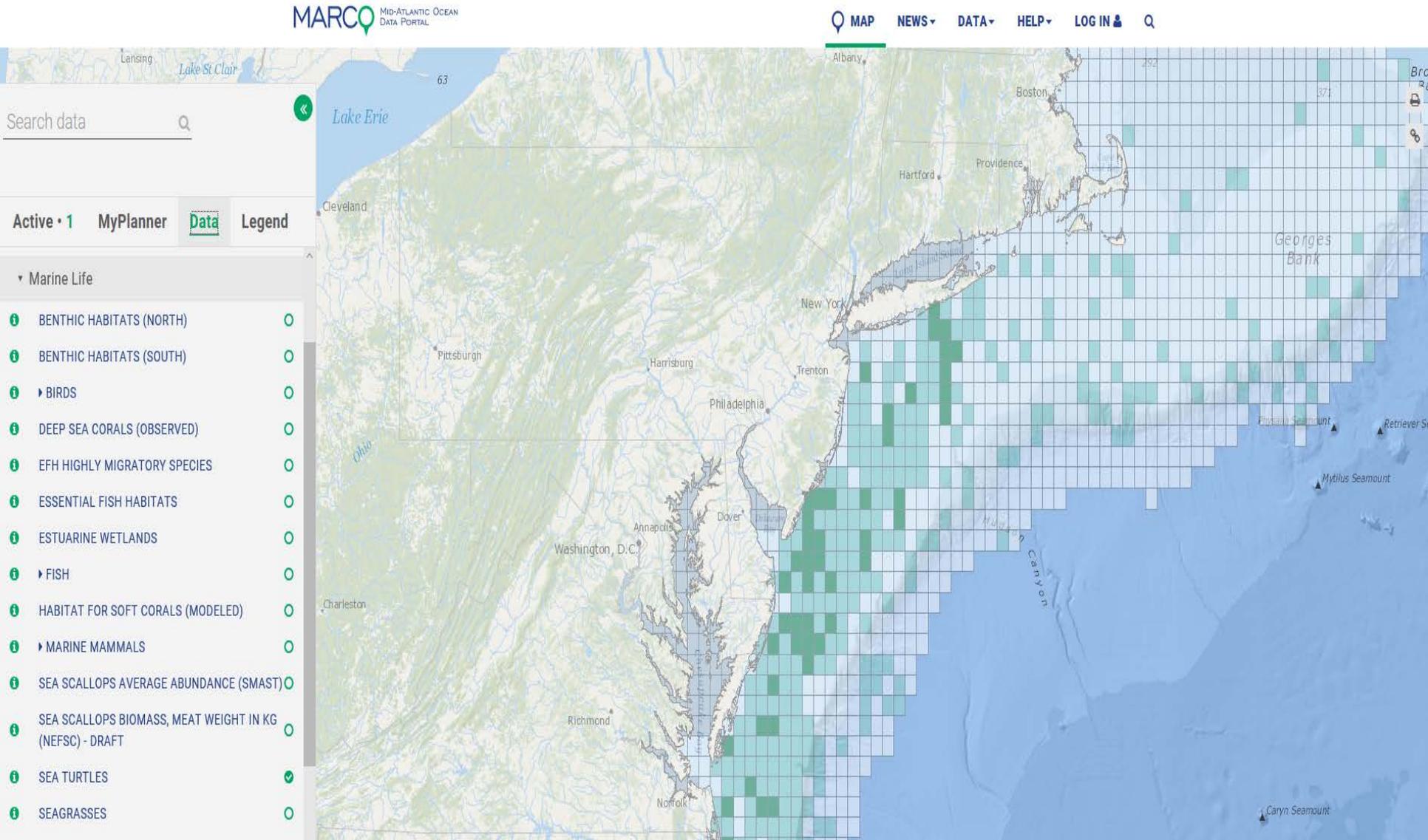
The screenshot shows the MARCO Mid-Atlantic Ocean Data Portal interface. The top navigation bar includes 'MAP', 'NEWS', 'DATA', 'HELP', and 'LOG IN'. A search bar is located on the left. The main content area is divided into a left sidebar and a right map area. The sidebar, titled 'Marine Life Library (Species Specific)', lists various data layers with 'More Info' icons. The map area displays a geographical view of the East Coast of the United States, with data layers overlaid.

The Marine-life Data and Analysis Team (MDAT) data characterize and map marine life for the United States East Coast.

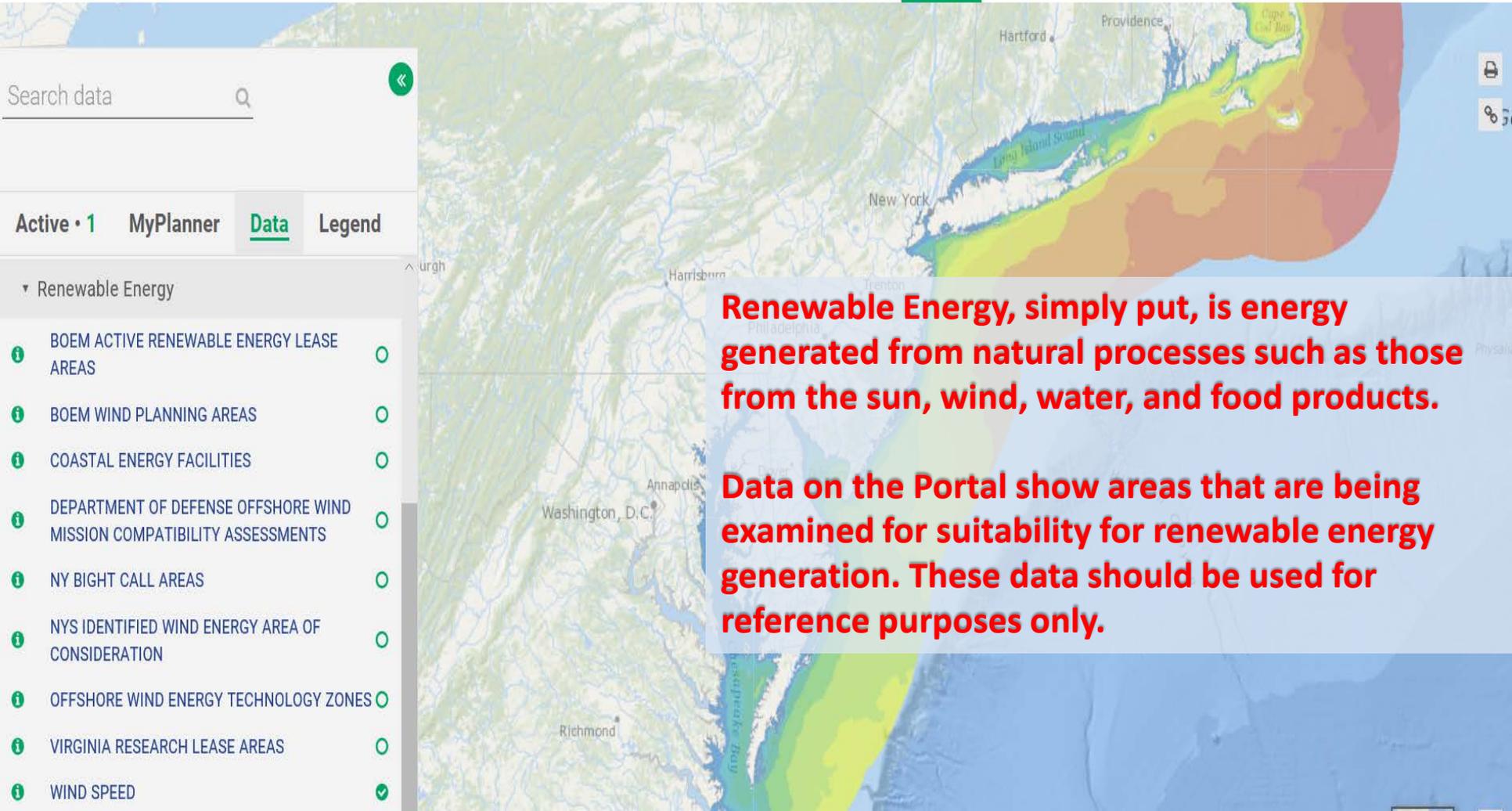
A small subset of the thousands of datasets that were originally developed are housed on the MARCO Data Portal. “These data or summary products are comprised of data layers from multiple species, and were created to allow quick access to map summaries about potential biological, management, or sensitivity groups of interest.”

For more information about the MDAT data you can click on the  More Info icons next to the data or go here: <http://seamap.env.duke.edu/models/mdat/>

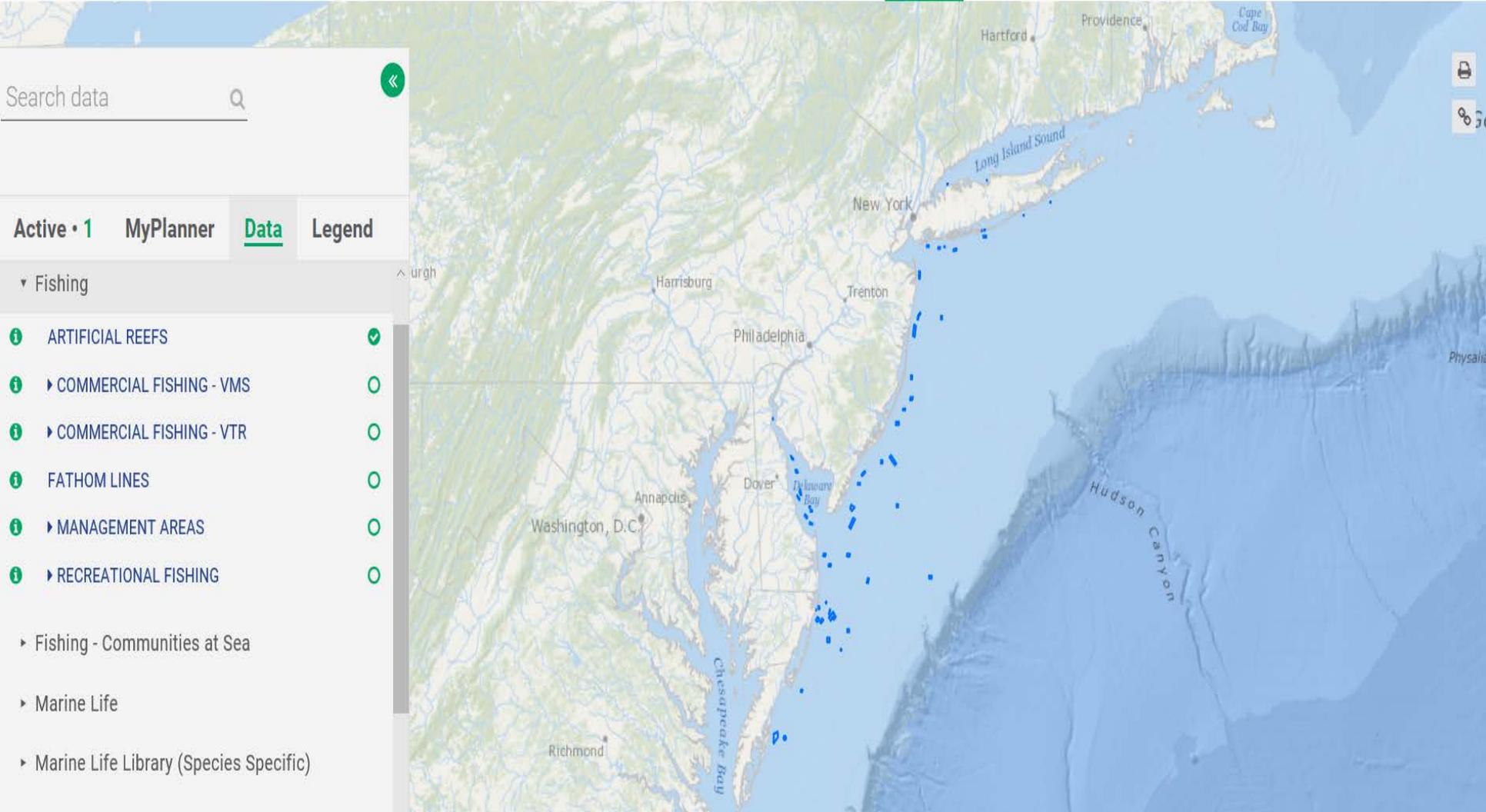
Marine Life



Renewable Energy



Fishing

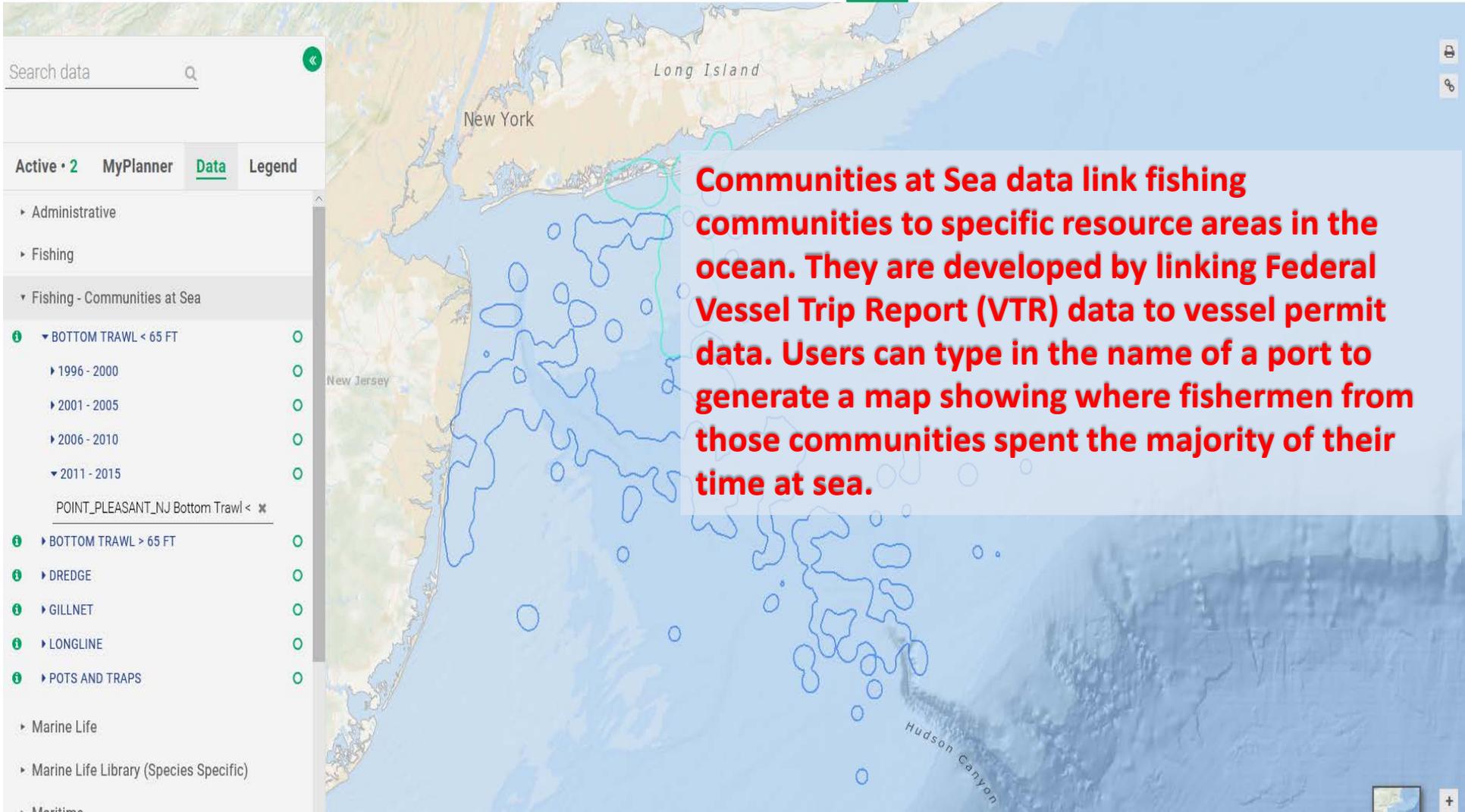


Search data

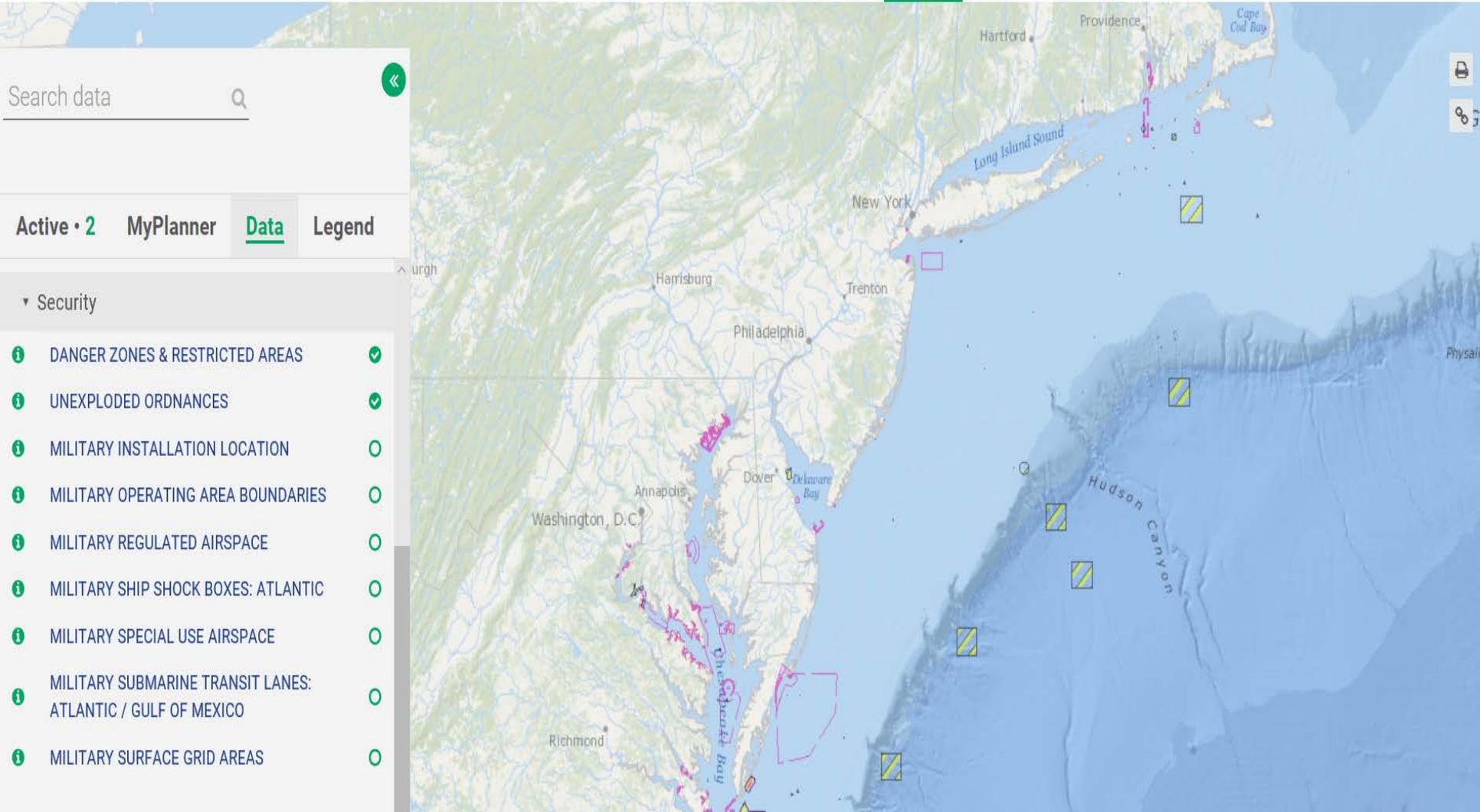
Active • 1 MyPlanner Data Legend

- ▾ Fishing
 - ARTIFICIAL REEFS
 - ▶ COMMERCIAL FISHING - VMS
 - ▶ COMMERCIAL FISHING - VTR
 - FATHOM LINES
 - ▶ MANAGEMENT AREAS
 - ▶ RECREATIONAL FISHING
- ▶ Fishing - Communities at Sea
- ▶ Marine Life
- ▶ Marine Life Library (Species Specific)

Fishing – Communities at Sea



Security

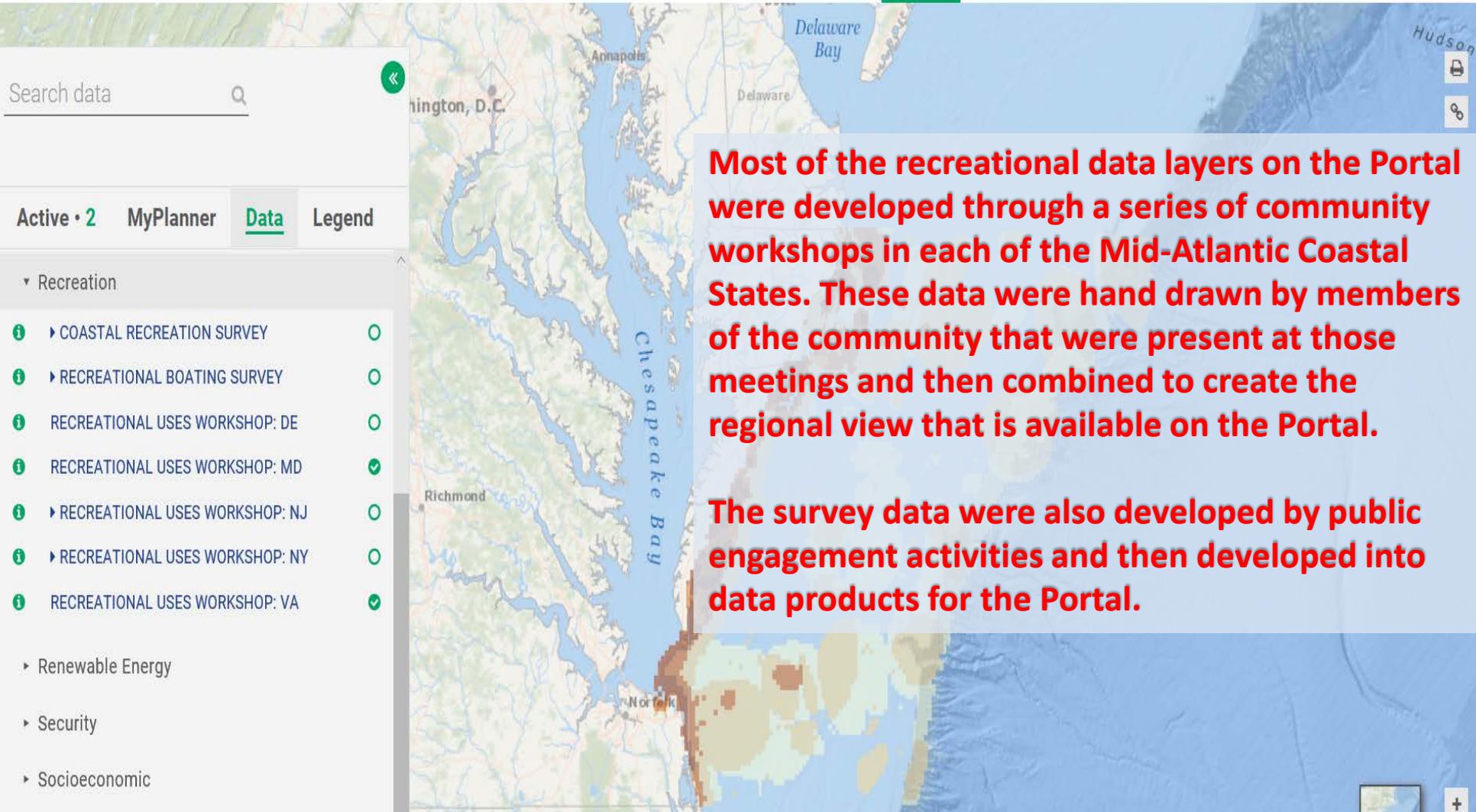


Search data

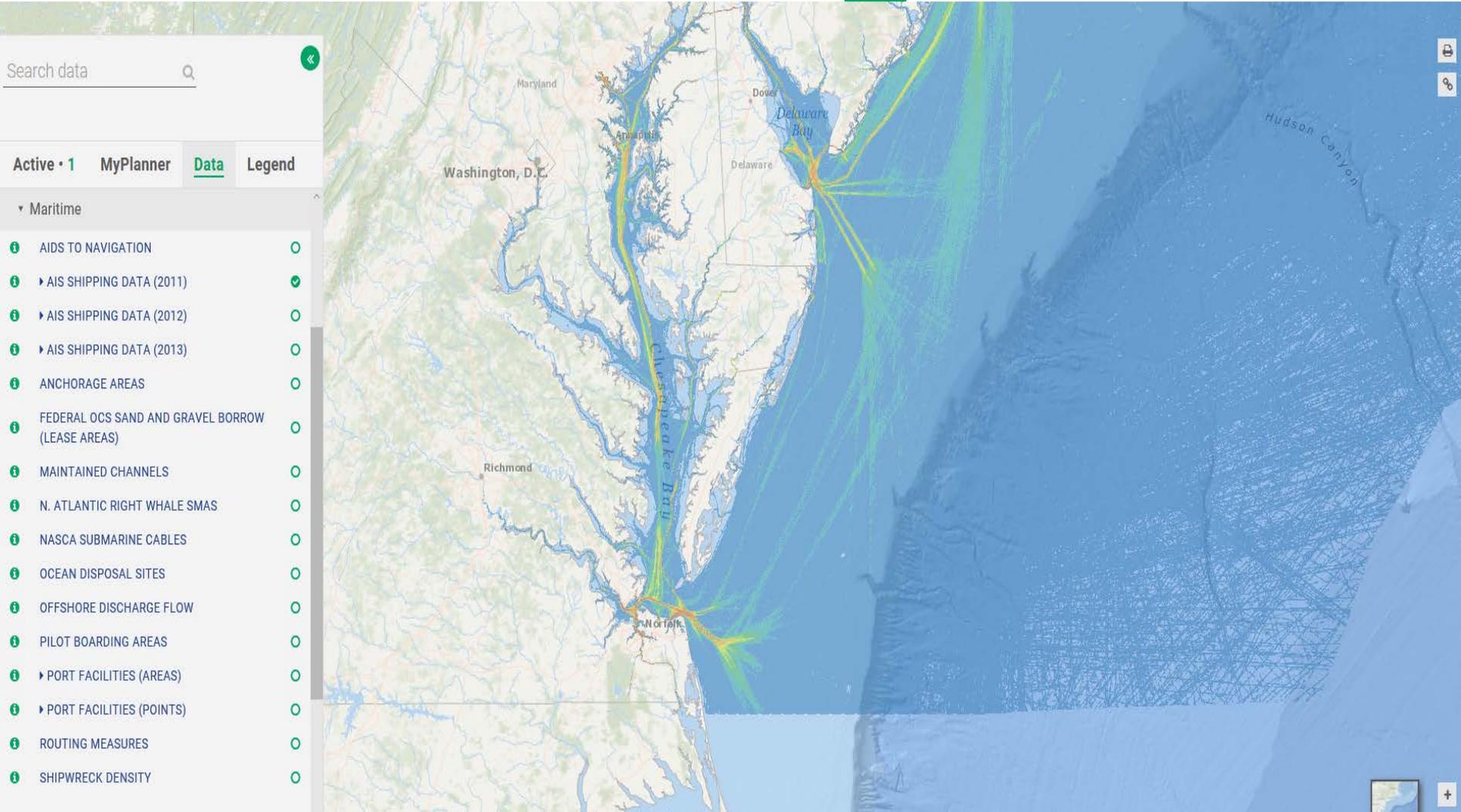
Active • 2 MyPlanner **Data** Legend

- Security
 - DANGER ZONES & RESTRICTED AREAS
 - UNEXPLODED ORDNANCES
 - MILITARY INSTALLATION LOCATION
 - MILITARY OPERATING AREA BOUNDARIES
 - MILITARY REGULATED AIRSPACE
 - MILITARY SHIP SHOCK BOXES: ATLANTIC
 - MILITARY SPECIAL USE AIRSPACE
 - MILITARY SUBMARINE TRANSIT LANES: ATLANTIC / GULF OF MEXICO
 - MILITARY SURFACE GRID AREAS

Recreation



Maritime



Search data

Active • 1 MyPlanner **Data** Legend

▼ Maritime

- AIDS TO NAVIGATION
- AIS SHIPPING DATA (2011)
- AIS SHIPPING DATA (2012)
- AIS SHIPPING DATA (2013)
- ANCHORAGE AREAS
- FEDERAL OCS SAND AND GRAVEL BORROW (LEASE AREAS)
- MAINTAINED CHANNELS
- N. ATLANTIC RIGHT WHALE SMAS
- NASCA SUBMARINE CABLES
- OCEAN DISPOSAL SITES
- OFFSHORE DISCHARGE FLOW
- PILOT BOARDING AREAS
- PORT FACILITIES (AREAS)
- PORT FACILITIES (POINTS)
- ROUTING MEASURES
- SHIPWRECK DENSITY

Socioeconomic

The screenshot displays the MARCO Mid-Atlantic Ocean Data Portal interface. At the top, the logo for MARCO (Mid-Atlantic Ocean Data Portal) is visible on the left, and navigation links for MAP, NEWS, DATA, HELP, and LOG IN are on the right. A search bar is located at the top left. The main content area features a map of the Chesapeake Bay region, with various data layers overlaid. The map shows the bay and surrounding areas, with labels for Maryland, Delaware Bay, and Hudson Canyon. The data layers are listed on the left side of the interface, under the 'Socioeconomic' category. The 'POPULATION DENSITY' layer is currently selected, indicated by a green checkmark. The 'OCEAN ECONOMICS GDP' layer is also visible, with a green checkmark. Other layers include Administrative, Fishing, Fishing - Communities at Sea, Marine Life, Marine Life Library (Species Specific), Maritime, Oceanography, Recreation, Renewable Energy, Security, and Human Use Data Synthesis. The 'Active' tab is set to 1, and the 'MyPlanner' and 'Legend' tabs are also visible.

MARCO MID-ATLANTIC OCEAN DATA PORTAL

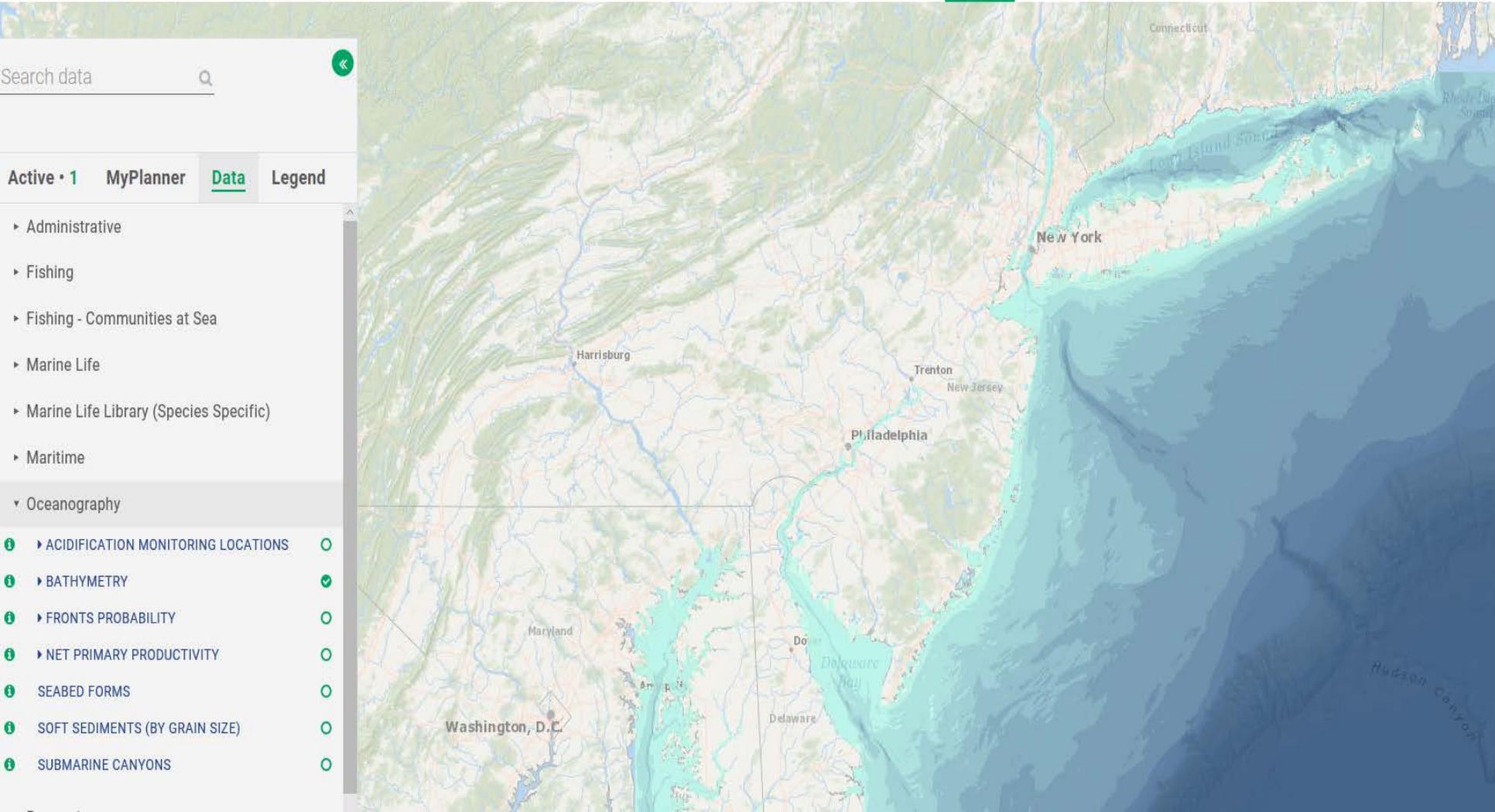
MAP NEWS DATA HELP LOG IN

Search data

Active • 1 MyPlanner Data Legend

- Administrative
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- Maritime
- Oceanography
- Recreation
- Renewable Energy
- Security
- Socioeconomic
 - POPULATION DENSITY
 - OCEAN ECONOMICS GDP
- Human Use Data Synthesis

Oceanography

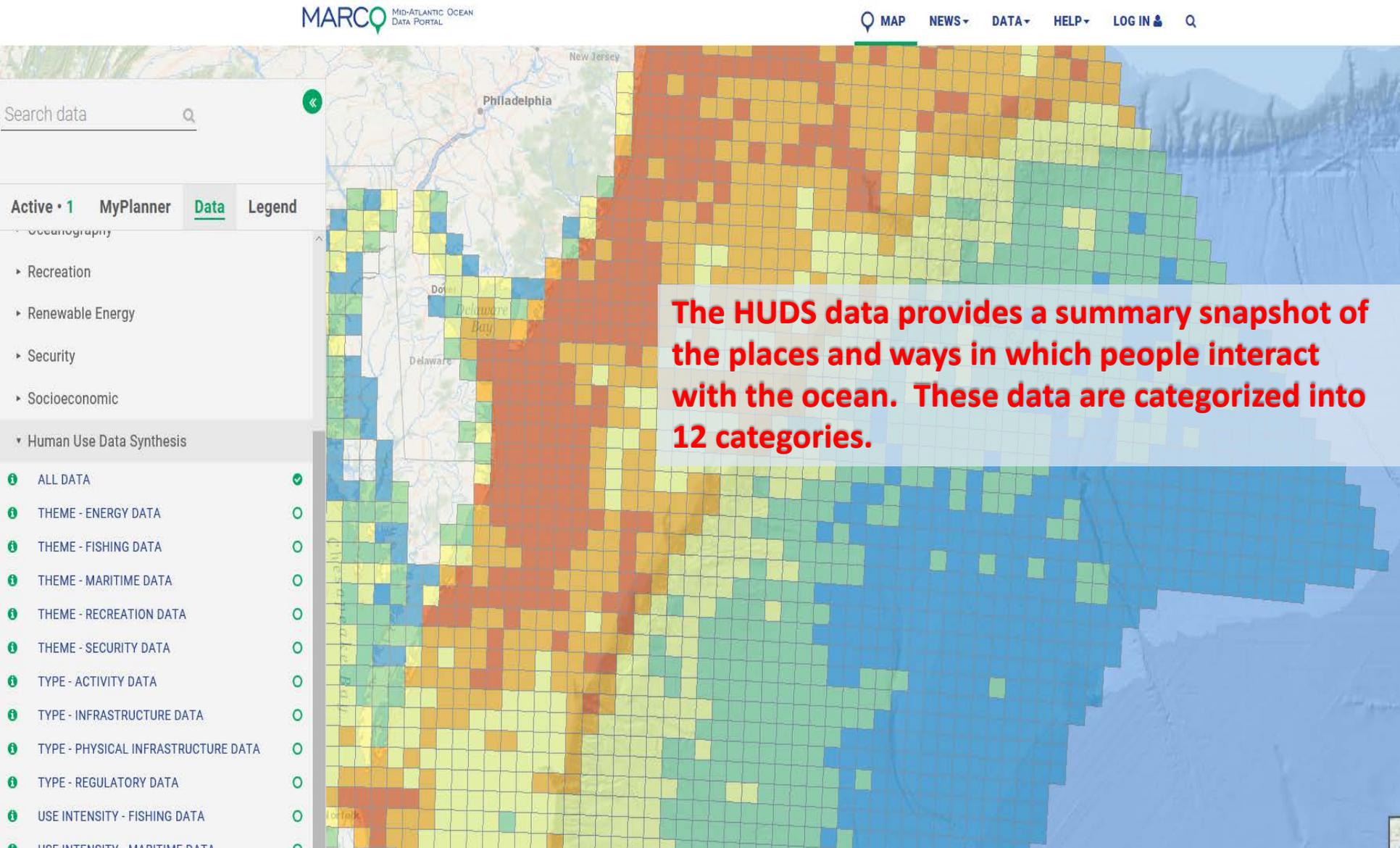


Search data

Active • 1 MyPlanner **Data** Legend

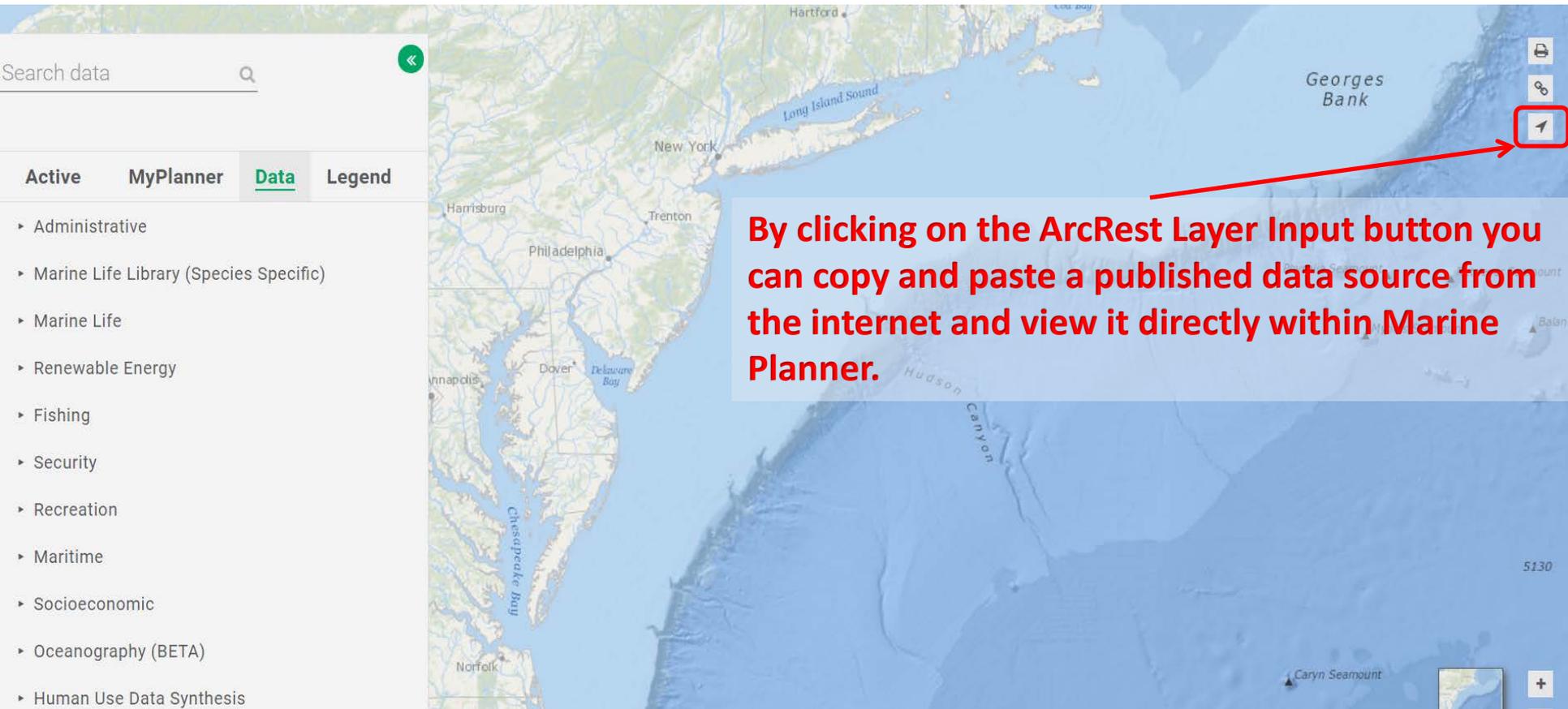
- ▶ Administrative
- ▶ Fishing
- ▶ Fishing - Communities at Sea
- ▶ Marine Life
- ▶ Marine Life Library (Species Specific)
- ▶ Maritime
- ▼ Oceanography
 - ▶ ACIDIFICATION MONITORING LOCATIONS ○
 - ▶ BATHYMETRY ✓
 - ▶ FRONTS PROBABILITY ○
 - ▶ NET PRIMARY PRODUCTIVITY ○
 - SEABED FORMS ○
 - SOFT SEDIMENTS (BY GRAIN SIZE) ○
 - SUBMARINE CANYONS ○

Human Use Data Synthesis (HUDS)



Add Your Own Data

For extra capabilities you would need to register for a free Portal account. This allows you to access the link to import in outside data of interest.



The screenshot displays the Marine Planner web application. On the left is a sidebar with a search bar and a menu of data categories. The main area shows a map of the Northeast United States coastline, including Long Island Sound, Chesapeake Bay, and the Hudson Canyon. A red box highlights the 'ArcRest Layer Input' button in the top right corner of the map, with a red arrow pointing to it from the text overlay.

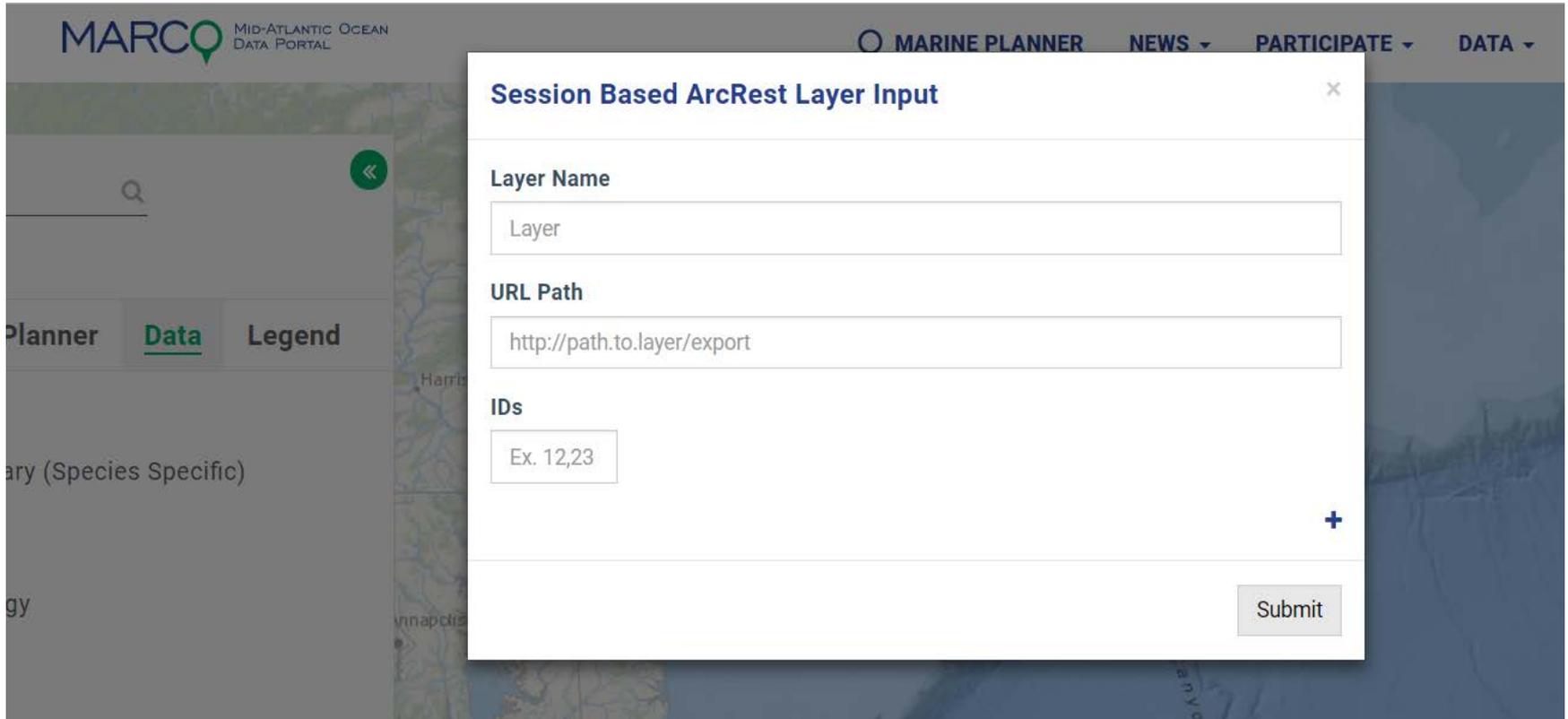
Search data

Active MyPlanner **Data** Legend

- Administrative
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- Marine Life
- Renewable Energy
- Fishing
- Security
- Recreation
- Maritime
- Socioeconomic
- Oceanography (BETA)
- Human Use Data Synthesis

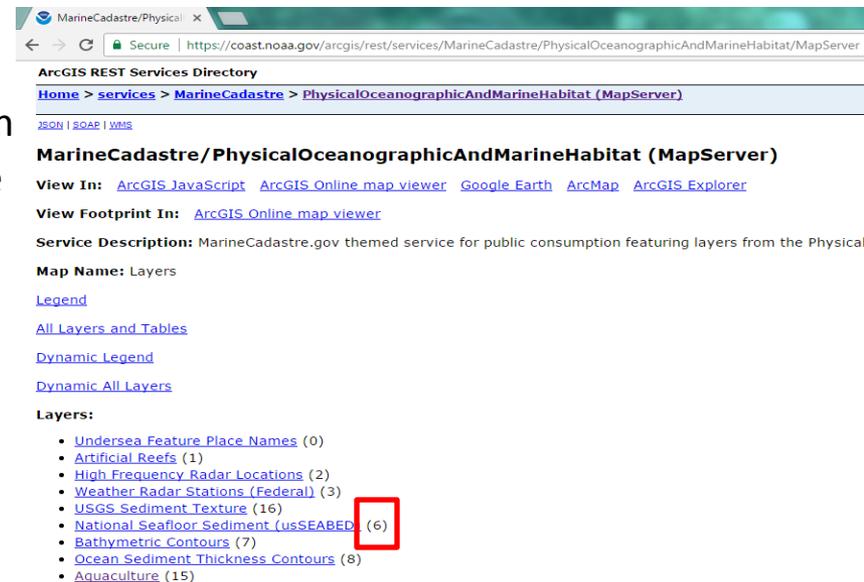
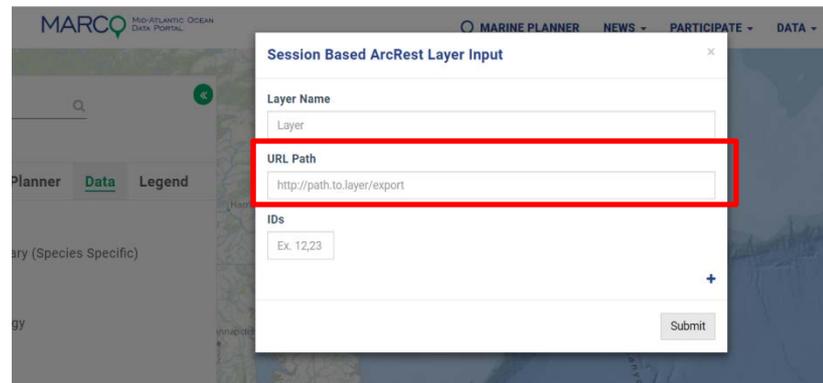
By clicking on the ArcRest Layer Input button you can copy and paste a published data source from the internet and view it directly within Marine Planner.

ArcRest Layer Input Dialog Box



ArcRest Layer Input

- Copy Map Server link from an online source. Here is an example from NOAA: <https://coast.noaa.gov/arcgis/rest/services/MarineCadastr/PhysicalOceanographicAndMarineHabitat/MapServer>
- You will enter this link into the ArcRest Layer Input box under the URL Path
- At the end of the URL, type in: /export
- You will need to create a name for the data layer in the “Layer Name” section and then go back to the website with the map service to identify its associated ID. This ID (or numeric value) needs to be added into the Input box in the IDs section.



MarineCadastr/Physical x

Secure | <https://coast.noaa.gov/arcgis/rest/services/MarineCadastr/PhysicalOceanographicAndMarineHabitat/MapServer>

ArcGIS REST Services Directory

[Home](#) > [services](#) > [MarineCadastr](#) > [PhysicalOceanographicAndMarineHabitat \(MapServer\)](#)

[JSON](#) | [SOAP](#) | [WMS](#)

MarineCadastr/PhysicalOceanographicAndMarineHabitat (MapServer)

View In: [ArcGIS JavaScript](#) [ArcGIS Online map viewer](#) [Google Earth](#) [ArcMap](#) [ArcGIS Explorer](#)

View Footprint In: [ArcGIS Online map viewer](#)

Service Description: MarineCadastr.gov themed service for public consumption featuring layers from the Physical

Map Name: Layers

[Legend](#)

[All Layers and Tables](#)

[Dynamic Legend](#)

[Dynamic All Layers](#)

Layers:

- [Undersea Feature Place Names](#) (0)
- [Artificial Reefs](#) (1)
- [High Frequency Radar Locations](#) (2)
- [Weather Radar Stations \(Federal\)](#) (3)
- [USGS Sediment Texture](#) (16)
- [National Seafloor Sediment \(usSEABED\)](#) (6)
- [Bathymetric Contours](#) (7)
- [Ocean Sediment Thickness Contours](#) (8)
- [Aquaculture](#) (15)