

Mid-Atlantic Regional Council on the Ocean (MARCO) Mapping & Planning Portal



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Virginia Coastal Zone
MANAGEMENT PROGRAM



Mid-Atlantic Ocean Governors' Agreement on Ocean Conservation

Signed in June 2009 by:

New York

New Jersey

Delaware

Maryland

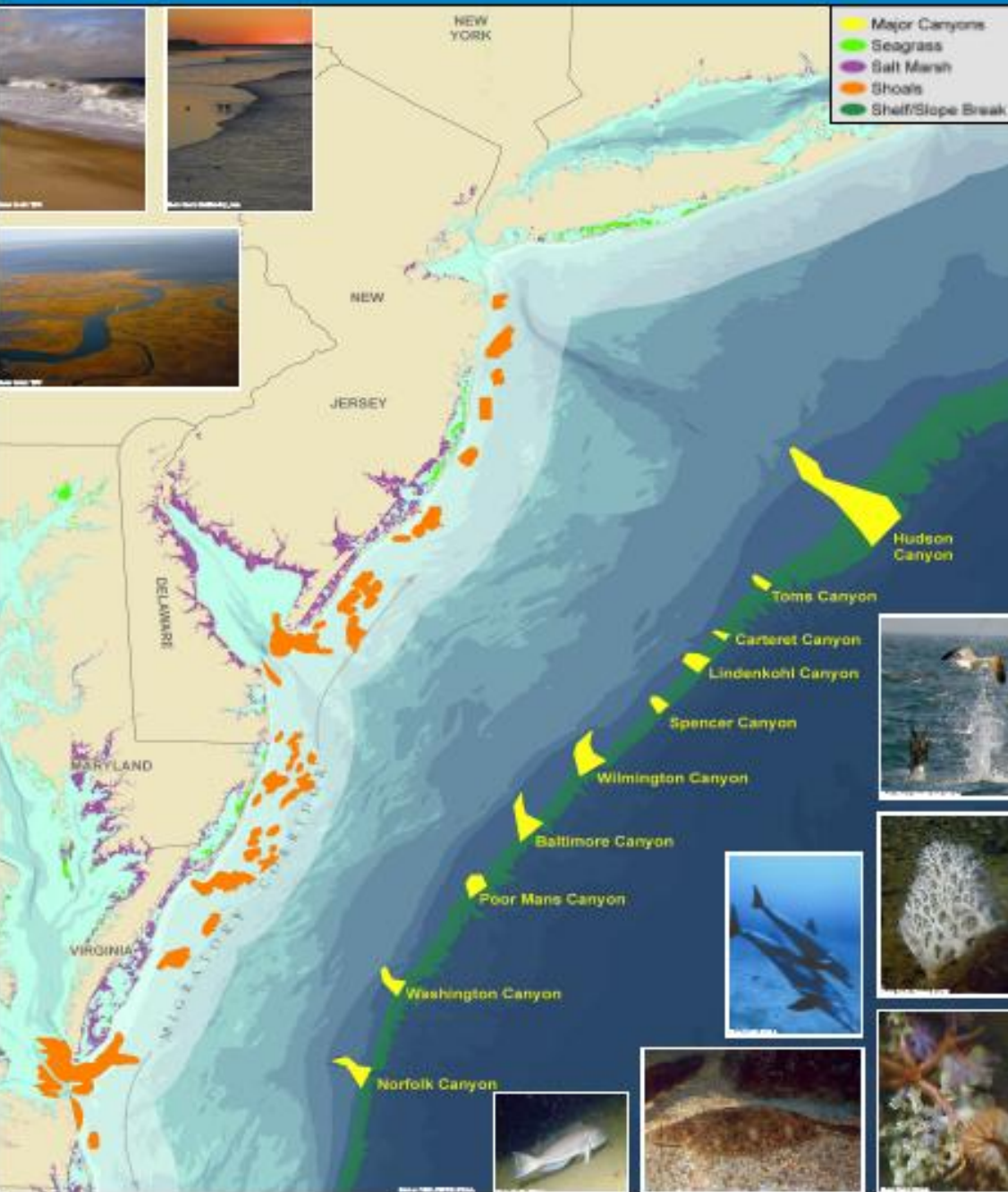
Virginia



Four Key Focal Areas

- Protect Key Ocean Habitats
- Promote Renewal Offshore Energy
- Improve Water Quality
- Adapt to Climate Change

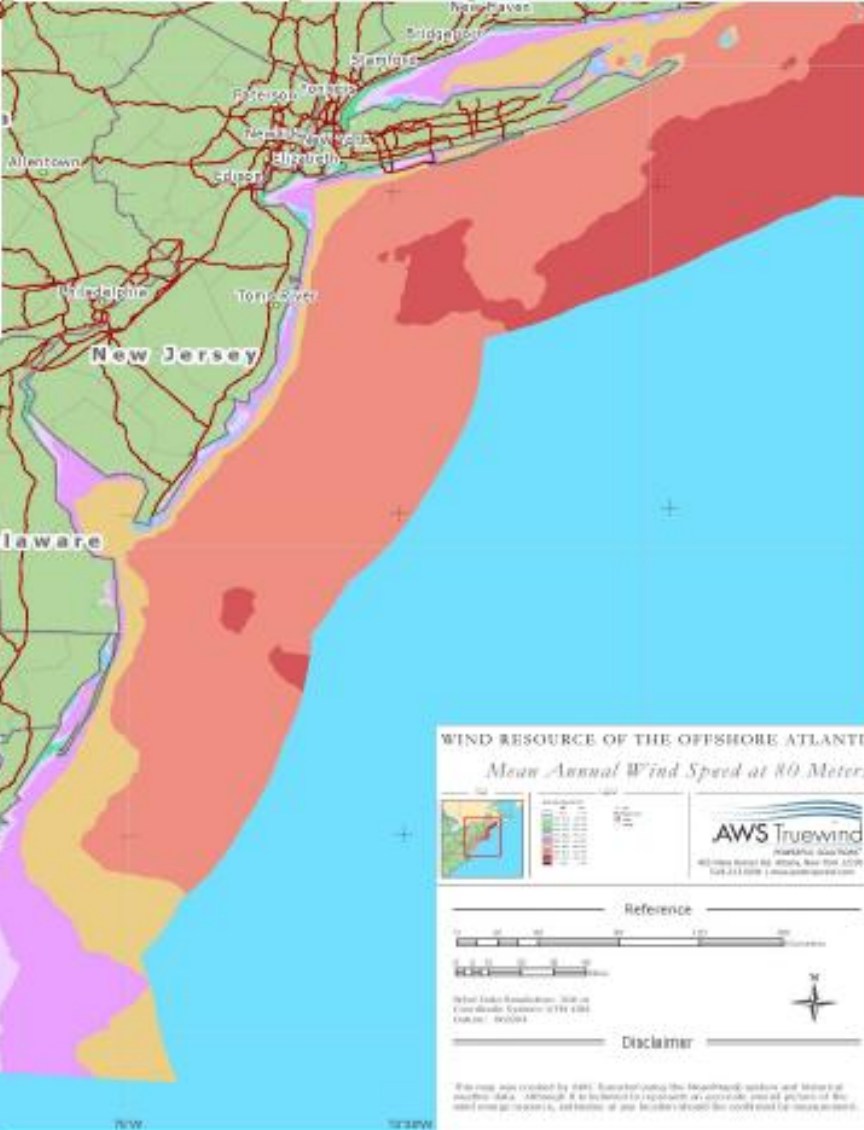
Mid-Atlantic Ocean - Habitats



Protect Key Ocean Habitats

- 10 major offshore canyons
- Cold water corals
- Key fish habitats
- Bird, marine mammal, sea turtle and other migration corridors

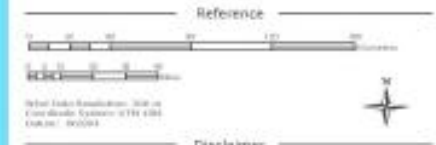
Mid-Atlantic Ocean - Renewable Energy



WIND RESOURCE OF THE OFFSHORE ATLANTIC
Mean Annual Wind Speed at 80 Meters



AWS Truewind
POWERING CLEAN FUTURE
400 West 11th Street, New York, NY 10014
Tel: 212 609 1000 | www.aws-truewind.com

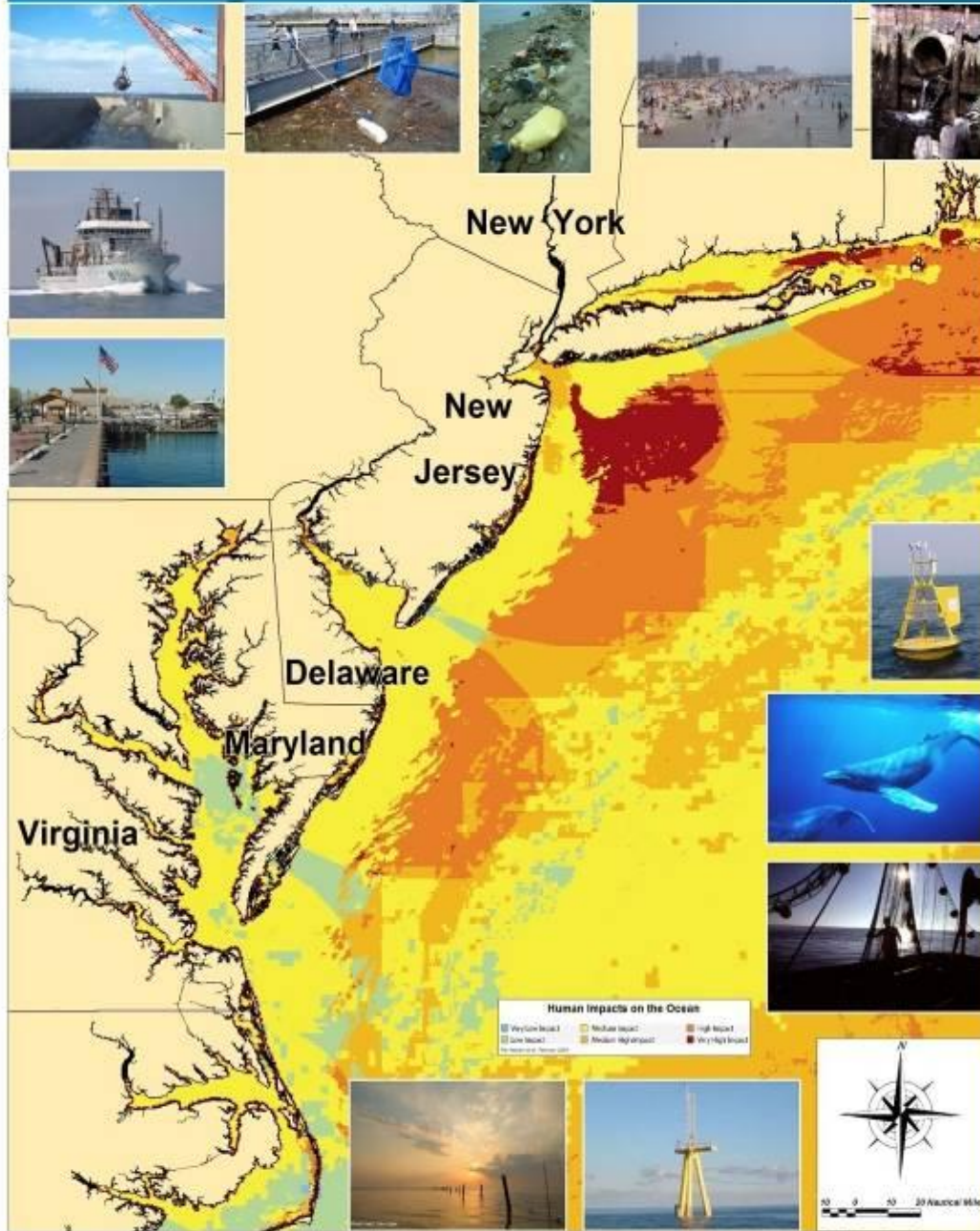


Disclaimer
This map was created by AWS Truewind using the best available data and information available at the time of publication. It is intended for reference only and should not be used for navigation or other purposes. AWS Truewind is not responsible for any errors or omissions in this map or for any consequences arising from its use.

Promote Renewable Offshore Energy

- Best locations for wind turbines and facilities.
- Where can use conflicts be anticipated.

Mid-Atlantic Ocean - Water Quality



Improve Water Quality

- Not on MARCO's agenda as a spatial planning task. MARCO is working on this from policy perspective.
- But water quality data may be important for some facility siting and habitat protection issues.

MARCO Structure

Five Action Teams:

1. Offshore Renewable Energy
Lead: MD – Gwynne Schultz
2. Offshore Habitats
Lead: NY – Greg Capobianco
3. Climate Change and Coastal Resiliency
Lead: DE – Sarah Cooksey
4. Water Quality
Lead: MD – Matt Fleming
5. Coastal & Marine Spatial Planning (CMSP)
Lead: VA – Laura McKay



MARCO Portal Creation



1. Used VA CZM funds to contract with TNC
2. TNC surveyed a small group of potential users
 - What portal functions do you want?
 - What data do you have?
3. Create internal test portal
4. TNC collected feedback from survey group and revamped as needed
5. MARCO portal went live in **December 2010**



MARCO Website

Mid-Atlantic Regional Council on the Ocean

New York New Jersey Delaware Maryland Virginia



[Home](#) | [Agreement](#) | [Documents](#) | [State Links](#) | [MARCO Portal](#) | [Contact Us](#)

MARCO Highlights - Moving in the Right Direction



Since the first conversations among the States in 2008, MARCO has made significant progress in establishing and embarking on a regional agenda for shared state action in the Mid-Atlantic. Click the thumbnail to view the MARCO Highlights document.

What is the Mid-Atlantic Regional Council on the Ocean?

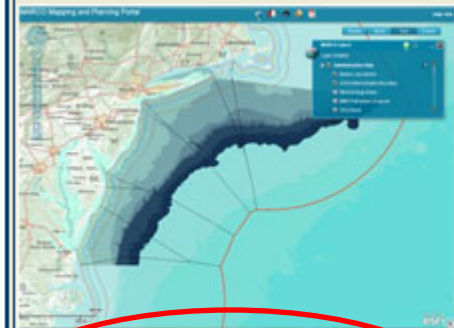
The ocean waters of the Mid-Atlantic, stretching from New York to Virginia, provide a wealth of economic and environmental services to local communities, States, and the nation. At the same time, the people of the Mid-Atlantic region are a significant force that influences our ocean and coastal environment. We change the coastline and watershed through our buildings and development, we harvest the



ocean's resources through increasingly efficient means, and we rely on offshore waters to support diverse activities such as maritime commerce and recreation. As the intensity of these human influences has increased, they have at times led to significant threats to the health of our ecosystems. Now our ocean and coastal resources face a new generation of challenges, and these challenges are only growing in their urgency.

To successfully address these challenges, and to ensure that future

MARCO Announces New Mapping and Planning Portal for Mid-Atlantic Region



The [MARCO Mapping and Planning Portal](#) is an online tool that allows state, federal, and local decision-makers and the public to visualize, query, map, and analyze ocean and coastal data in the Mid-Atlantic region. The Virginia Coastal Zone Management Program provided funding through their CZM Award

MARCO Mapping & Planning Portal

Available at www.midatlanticocean.org

The screenshot displays the MARCO Mapping and Planning Portal interface. The main map area shows a geographical view of the Mid-Atlantic region, including parts of New York, New Jersey, Delaware, and Pennsylvania. Major cities like Philadelphia, Trenton, and Newark are labeled. The map is overlaid with various data layers, including administrative boundaries and geophysical data. A 'MARCO Layers' panel is open on the right side, showing a list of layers with checkboxes for visibility and vertical sliders for opacity. The layers listed are: Administrative Data (checked), Decision Support Data (Under Development), Human Use Data, Biological Data, Geophysical Data (checked), and State Data. The interface also includes a top navigation bar with 'Streets', 'Aerial', 'Topo', and 'Charts' options, and a bottom status bar with coordinates (Latitude: 39.005, Longitude: -68.397) and a scale bar (100 km / 100 mi). The Esri logo is visible in the bottom right corner, indicating the platform is powered by Esri.

MARCO Mapping and Planning Portal

Help / Info

Streets Aerial Topo Charts

MARCO Layers

Layer Visibility

- Administrative Data
- Decision Support Data (Under Development)
- Human Use Data
- Biological Data
- Geophysical Data
- State Data

Latitude: 39.005 Longitude: -68.397

100 km 100 mi

POWERED BY esri

MARCO Mapping & Planning Portal



6 Data Categories:

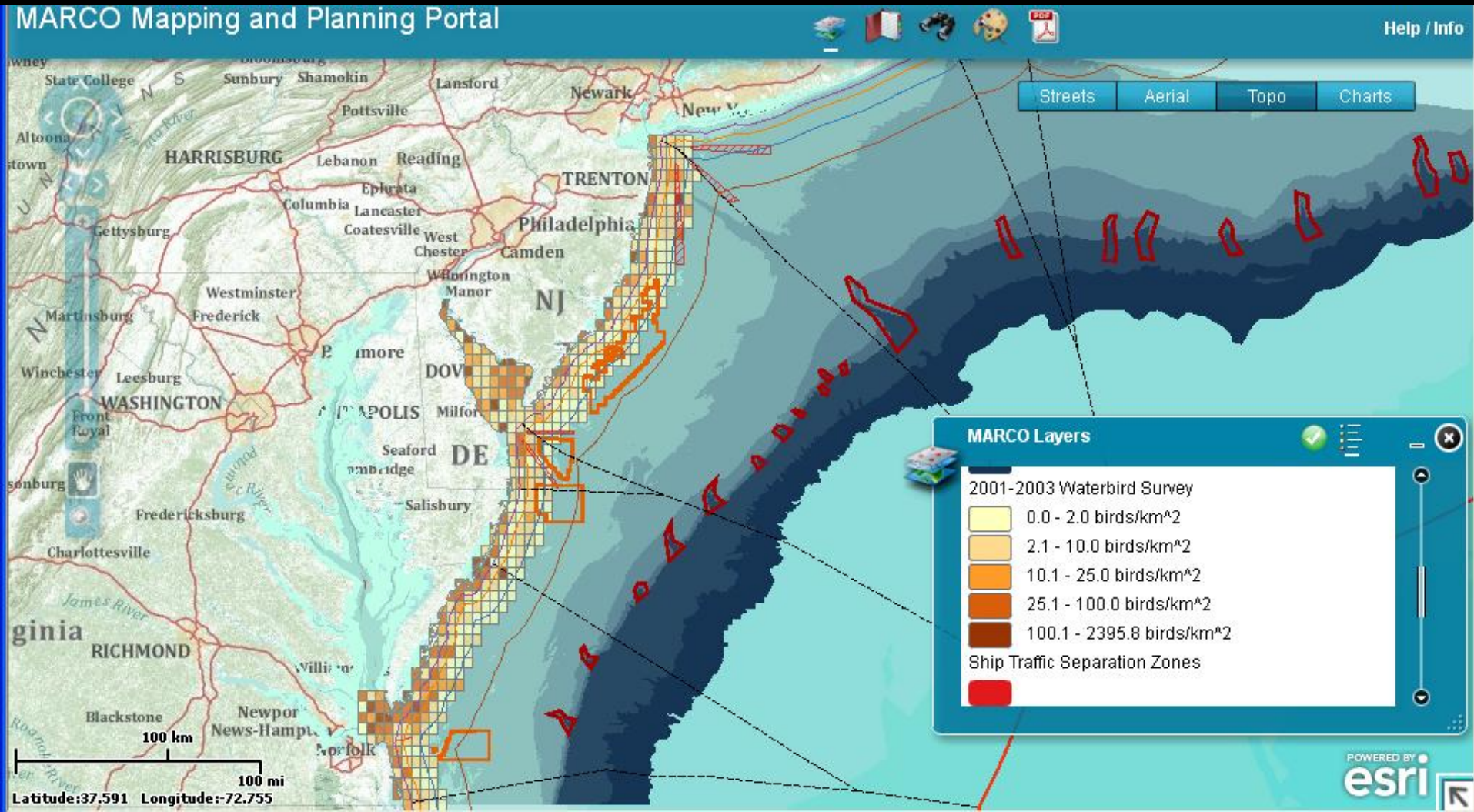
1. Administrative (6)
2. Decision Support (2)
3. Human Use (4)
4. Biological (7)
5. Geophysical (8)
6. State Specific (2)

29 data layers



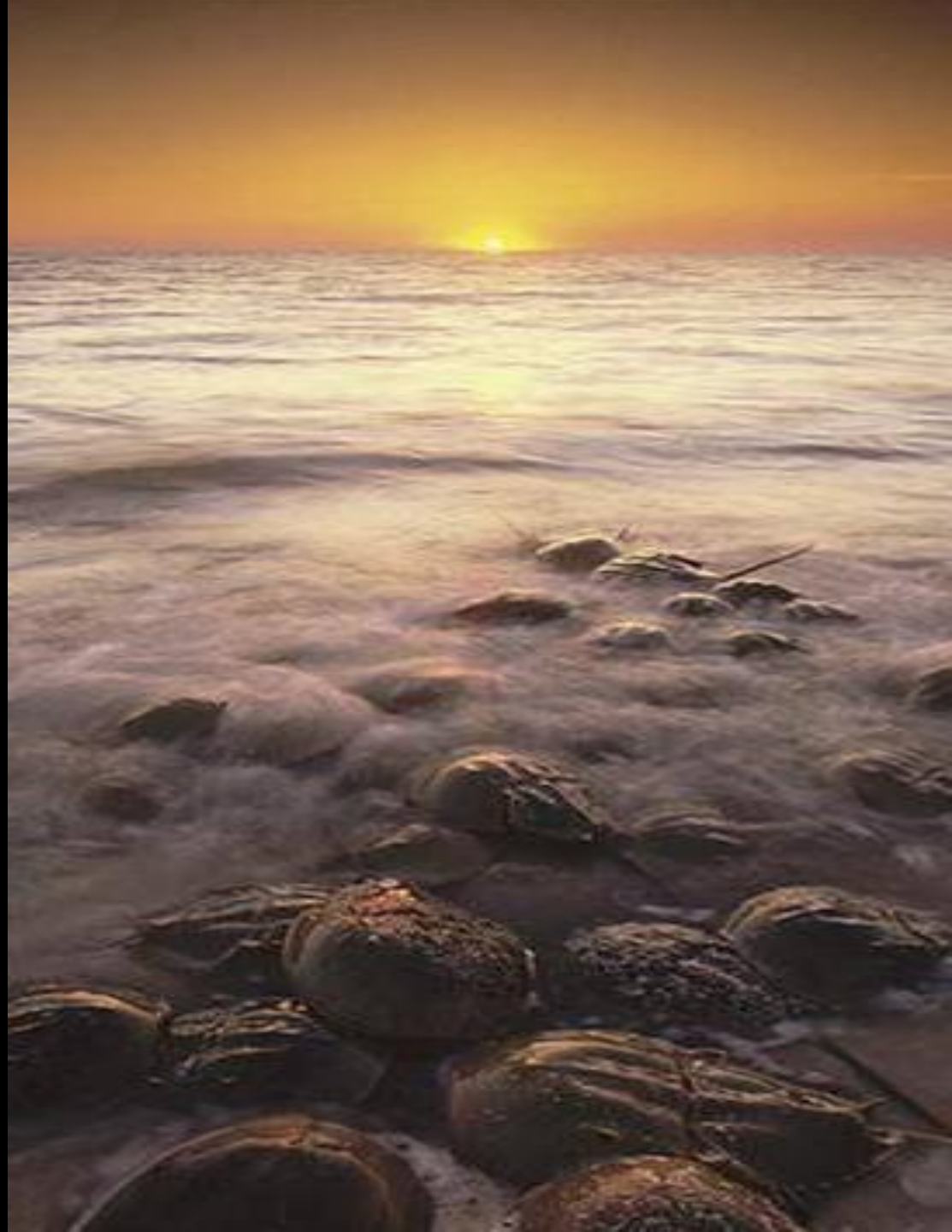
MARCO Area

Waterbirds, Wind Energy Areas, Shipping Separation Zones, OCS Boundaries, Major Canyons



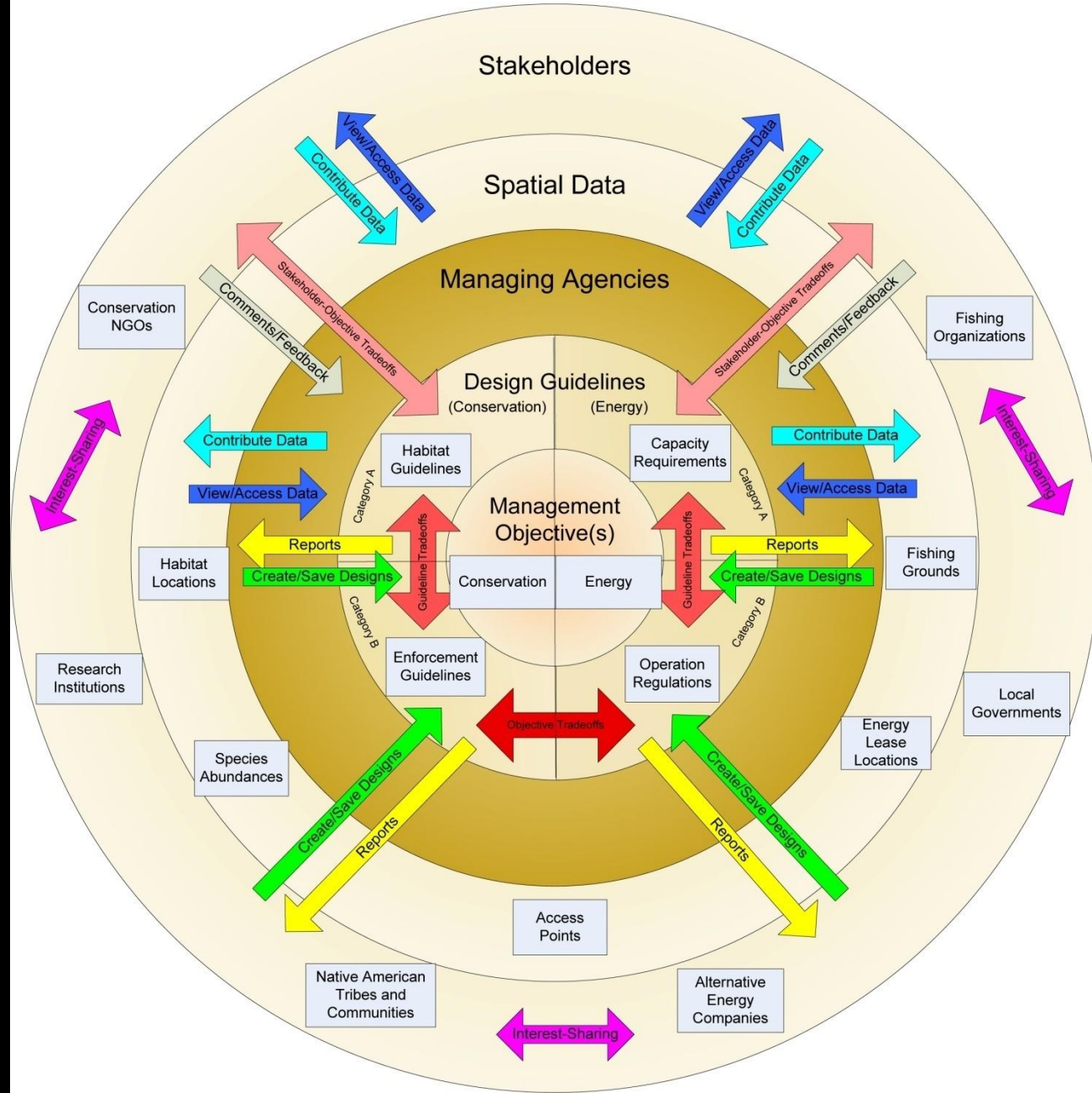
Next Steps

- Find a host server
- Develop a maintenance plan
- Seek missing needed data layers



Next Steps

Two Objective Coastal and Marine Spatial Planning



- Find funds for and develop *decision support tools* as envisioned by MarineMap